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-VIA ELECTRONIC FILING-

March 1, 2019

Mr. Adam Teitzman
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

RE: Docket No.: 20190000
Florida Power & Light Company's 2019 Status/Update Report on Storm
Hardening/Preparedness and Distribution Reliability

Dear Mr. Teitzman:

Pursuant to Order No. PSC-06-0781-PAA-EI, I am enclosing for filing in the above docket Florida Power & Light Company's ("FPL") status report and update of its Storm Preparedness Initiatives, which was filed in FPSC Docket No. 060197-EI on June 1, 2006. Consistent with Staff's request at its October 30, 2006 workshop, FPL has consolidated into the enclosed document the following additional information:

1. Wood Pole Inspection Report as required by Order No. PSC-06-0144-PAA-EI, issued in FPSC Docket No. 060078-EI on February 27, 2006;
2. Distribution Reliability Report as required by Rule 25-6.0455, F.A.C.; and,
3. A discussion of FPL's 2018 results for storm hardening facilities.

If there are any questions regarding this transmittal, please contact me at (561) 691-2512.

Sincerely,

/s/ Kenneth M. Rubin
Kenneth M. Rubin
Fla. Bar No. 349038

Enclosures

cc: Thomas Ballinger, Director, Division of Engineering
Judy Harlow, Director, Division of Economic Regulation

Florida Power & Light Company
Annual Reliability Filing to the Florida Public Service Commission
March 1, 2019

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EXECUTIVE SUMMARY – FPL’s MARCH 1, 2019 FILING

In 2018, FPL achieved best-ever Transmission and Distribution (“T&D”) System performance results for the System Average Interruption Duration Index (“SAIDI”), the System Average Interruption Frequency Index (“SAIFI”) and the Momentary Average Interruption Event Frequency Index (“MAIFIE”).

Additionally, FPL continued to invest in and take significant steps to strengthen and modernize its electric infrastructure and enhance its emergency response capabilities. Included in this ongoing work were pole inspections, system infrastructure hardening, vegetation management, as well as other storm preparedness and reliability initiatives.

In 2019, FPL plans to continue its efforts to strengthen and modernize its electric infrastructure and improve its excellent everyday reliability for customers.

This filing provides details about these efforts and is organized into two major sections: (1) Storm Preparedness/Infrastructure Hardening; and (2) Reliability. The first section concentrates on FPL’s efforts to strengthen its distribution and transmission systems and enhance storm response capabilities. Initiatives addressed in this section include: Pole Inspections; System Hardening; 10 Storm Preparedness Initiatives; and 2019 Storm Season Readiness. The second section of this report includes information about FPL’s service reliability, including 2018 results and 2019 plans for the T&D system.

The following are brief overviews of each of these two sections:

Section 1: STORM PREPAREDNESS/INFRASTRUCTURE HARDENING

Pole Inspections

Distribution – In 2018, consistent with its Florida Public Service Commission (“FPSC”) -approved plan, FPL continued with the execution of its second eight-year pole inspection cycle.

- In 2018, FPL inspected approximately 1/8 of its pole population and completed all remaining follow-up work resulting from the 2017 pole inspections.
- In 2019, FPL plans to complete inspections on approximately 1/8 of its pole population, as well as complete all remaining follow-up work resulting from the 2018 pole inspections.

Transmission – In 2018, FPL completed all transmission pole/structure inspections consistent with its FPSC-approved plan.

In 2018, FPL performed: ground level visual inspections on 100% of its transmission poles/structures; climbing or bucket truck inspections on approximately 1/6 of its wood poles/structures, and 1/10 of its concrete and steel poles/structures; and conducted storm and pre-construction mitigation patrols on all concrete and steel poles/structures. FPL also completed all follow-up work resulting from the 2017 inspections.

In 2019, FPL plans to conduct ground level visual inspections on 100% of its transmission poles/structures; perform climbing or bucket truck inspections on approximately 1/6 of its wood poles/structures, and 1/10 of its concrete and steel poles/structures; and complete all follow-up work identified from the 2018 inspections.

System Hardening

Distribution

Consistent with FPL's FPSC-approved 2016–2018 Electric Infrastructure Storm Hardening Plan (see Order PSC16-0560-AS-EI in Docket No. 160021-EI), FPL continued to implement its three-prong approach in 2018 by applying: (1) extreme wind loading criteria ("EWL") to critical infrastructure functions ("CIF"); (2) incremental hardening, up to and including EWL, to "Community Project" feeders; and (3) construction design guidelines that require EWL for the design and construction of all new overhead facilities, major planned work and relocation projects. Additionally, FPL continued with its next phase of feeder hardening, which addresses the remaining feeders in its system by targeting current feeders that do not meet EWL criteria (referred to as "wind zone" feeders).

- In 2018, FPL continued to complete work on prior years' feeders including CIF (e.g., hospitals, 911 centers, and other facilities designated by the respective Emergency Operations Centers ("EOCs") as CIFs) and "Community Project" feeders. In total, FPL completed hardening on 11 "01" switches, 2 highway crossings and 200 feeders. Another 150 feeders are currently in construction. Also, FPL's Design Guidelines were applied to all new construction and other construction activities described above. As of 2/28/19, FPL has hardened 98% of all CIF and "Community Project" feeders in its system. The remaining 2% of CIF and "Community Project" feeders are in various stages of construction (e.g. over 38% of the remaining feeders are between 75%-99% complete and another 19% are more than 50%-74% complete). The vast majority of these remaining projects are expected to be completed by June 2019, with the exception of a few projects that are delayed as a result of issues beyond FPL's control (e.g., pending municipal Overhead "OH" to Underground "UG" conversions projects, FDOT roadway projects, permitting issues).

- In 2018, as a result of lessons learned from Hurricanes Matthew and Irma, FPL initiated its 3-year Storm Secure Underground Program Pilot (“The Pilot”), which targets certain overhead laterals (i.e., laterals impacted by recent storms and with a history of vegetation related outages and other reliability issues). To date, three laterals have been converted from overhead to underground. Proposed 2019 plans for the Pilot are provided in FPL’s 3-year Hardening Plan Filing, filed with the FPSC on March 1, 2019.
- FPL also continued to promote overhead-to-underground conversions in 2018. Five municipalities signed agreements under FPL’s GAF tariff and moved forward with their projects. There were also 12 municipal requests for non-binding/order of magnitude estimates for potential overhead-to-underground conversions during 2018.

Transmission

Storm hardening details for Transmission are provided in Storm Preparedness Initiative No. 4 (see below).

Storm Preparedness Initiatives

(1) Vegetation Trim Cycles – In 2018, FPL continued executing its three-year average cycle and mid-cycle programs for feeders and its six-year average trim cycle for laterals.

(2) Joint Use Audits – Approximately 20 percent of FPL’s jointly used poles are audited annually through its joint use surveys. Additionally, joint use poles are inspected through FPL’s Pole Inspection Program. Survey and inspection results continue to show that through FPL’s joint use processes and procedures, along with cooperation from joint pole owners and third-party attachers, FPL has properly identified and accounted for the joint use facilities on its system.

(3) Transmission Structure Inspection Cycle – In 2018, FPL performed ground level visual inspections on 100% of its transmission poles/structures. Additionally, FPL performed climbing or bucket truck inspections on approximately 1/6 of its wood transmission system poles/structures, and 1/10 of its other concrete and steel poles/structures and conducted storm and pre-construction mitigation patrols on all concrete and steel poles/structures.

(4) Hardening the Transmission System – In 2018, FPL continued executing its plan to replace all wood transmission structures in its system. At year-end 2018, 93% of FPL’s total transmission structure population was steel or concrete.

(5) Distribution Geographic Information System (“GIS”) – FPL completed its five originally approved key Distribution GIS improvement initiatives in 2011. These

initiatives included developing a post-hurricane forensic analysis tool and the addition of poles, streetlights, joint use survey and hardening level data to the GIS. Updates to the GIS continue as data is collected through inspection cycles and other normal daily work activities.

(6) Post-Storm Forensic Collection/Analysis – FPL has post-storm forensic data collection and analysis plans, systems and processes in place and available for use. In 2018, results of post-storm forensics analysis were provided in Docket No. 20170215-EU, FPL's Third Supplemental Amended Response to Staff's First Data Request, No. 29. In summary, forensics results indicate that hardened feeders performed better than non-hardened feeders and underground facilities performed significantly better than overhead facilities.

(7) OH and UG Storm Performance – FPL has plans, systems and processes in place to capture OH and UG storm performance. As provided in Docket No. 20170215-EU, FPL's Third Supplemental Amended Response to Staff's First Data Request, No. 29: In summary, underground feeders and laterals performed significantly better than overhead feeders and laterals.

(8) Increased Coordination with Local Governments – In 2018, FPL continued its efforts to improve local government coordination. Activities included: (1) meetings with county emergency operations managers to discuss and identify critical infrastructure function locations in each jurisdiction as identified by the local government; (2) invitations to federal and state emergency management personnel to participate in FPL's annual company-wide storm preparedness dry run; (3) improved communication tools, based on input from local governmental officials, have been implemented to provide additional information to those officials during emergency events to better coordinate restoration efforts; and (4) FPL's External affairs ("EA") managers made presentations to educate communities served by FPL on topics of interest including service reliability, energy conservation, storm readiness and power generation. These presentations help address the informational needs of local community-based organizations. EA managers provided over 930 community presentations in 2018.

(9) Collaborative Research on Hurricanes/Storm Surge – Collaborative research efforts led by the Public Utility Research Center ("PURC") continued and the fourth extension of the MOU (through 2020) was approved.

(10) Natural Disaster Preparedness/Recovery Plans – FPL's Storm Emergency Plan identifies emergency conditions and the responsibilities and duties of the FPL emergency response organization for natural disasters, such as severe weather and fires. The plan covers the emergency organization, roles and responsibilities and FPL's overall severe storm emergency processes. These processes describe the planning activities, restoration practices, public communications and coordination with government, training, practice exercises and lessons-learned evaluation systems. The plan is reviewed annually and revised as necessary.

2019 Storm Season Readiness

FPL's comprehensive storm plan focuses on readiness, restoration and recovery in order to respond safely and as quickly as possible in the event the electrical infrastructure is damaged by a storm. FPL is well-prepared for the 2019 storm season and continues to train and hone its storm preparedness and response capabilities.

In addition to the initiatives to strengthen its system and improve storm preparedness discussed previously, FPL will complete the following additional storm preparedness activities prior to the start of the 2019 storm season:

- Extensive storm restoration training based on employees' storm roles including eight Incident Management Team Workshops throughout our service area;
- A full scale staging site exercise in advance of the peak of storm season to assess readiness of processes;
- Annual company-wide hurricane dry run in early May;
- Management workshops throughout the storm season to keep focus on key storm restoration policies/processes;
- Plans for and review of mutual assistance agreements to ensure they are adequate and ready;
- Continue to focus on improving outage communications and estimated restoration times to customers;
- Clear vegetation from all feeder circuits serving critical infrastructure functions (e.g. CIF hospitals, 911 centers, police and fire stations, etc.) prior to the peak of hurricane season;
- Continue development and utilization of new technology to be utilized by storm damage assessors to improve damage assessment collection/analysis capabilities, including the use of drones to perform equipment assessments in difficult to access facilities; and
- Participate in industry conferences to share best practices from the previous storm seasons across utility companies.

Section 2: RELIABILITY

Total FPL System (Distribution and Transmission) – Overall reliability is best gauged by SAIDI, the most relevant and best overall reliability indicator because it encompasses two other standard industry performance metrics for reliability: SAIFI System Average Interruption Frequency Index (“SAIFI”) and Customer Average Interruption Duration Index (“CAIDI”). In 2018, FPL continued to provide excellent overall reliability for its customers, achieving a best-ever total FPL T&D system adjusted SAIDI of 54.8 minutes (2017 – 56.4 minutes). Additionally, FPL achieved a best-ever FPL T&D system adjusted Momentary Average Interruption Frequency Index events (“MAIFle”) of 4.6 momentary events (2017 – 4.9 momentary events).

Distribution – FPL’s 2018 overall adjusted distribution reliability results were: SAIDI, a best-ever 53.2 minutes (2017 – 54.3); SAIFI, a best-ever (tied with 2013) 0.89 interruptions per customer (2017 – 0.90 interruptions); CAIDI, 60.0 minutes (2017 – 60.0 minutes) and a best-ever adjusted MAIFle, 4.0 momentary events (2017 – 4.3 momentary events).

Transmission – In 2018, FPL’s Transmission/Substation adjusted reliability results were: SAIDI, a best-ever 1.6 minutes (2017 – 2.1 minutes); SAIFI, a best-ever 0.13 interruptions per customer (2017 – 0.16 interruptions); and MAIFle, 0.6 momentary events (2017 – 0.6 momentary events).

POLE INSPECTIONS

Summary – Pole Inspections

Distribution

In 2018, consistent with its FPSC-approved plan, FPL completed the fifth year of its second eight-year pole inspection cycle.

- In 2018, FPL inspected approximately 1/8 of its pole population, or 156,010 poles, including 135,559 wood poles, and completed all remaining follow-up work identified during the 2017 pole inspections.
- In 2019, FPL plans to complete inspections on approximately 1/8 of its pole population, as well as complete all remaining follow-up work identified during the 2018 pole inspections.

Transmission

In 2018, FPL completed all transmission pole/structure inspections consistent with its FPSC-approved plan.

- In 2018, FPL performed ground level visual inspections on 100% of its transmission poles/structures. Additionally, FPL performed climbing or bucket truck inspections on approximately 1/6 of its wood transmission system poles/structures, and 1/10 of its other concrete and steel poles/structures, and conducted storm and pre-construction mitigation patrols on all concrete and steel poles/structures. Also, FPL completed all follow-up work identified from the 2017 inspections.
- In 2019, FPL plans to conduct ground level visual inspections on 100% of its transmission poles/structures. Additionally, FPL plans to perform climbing or bucket truck inspections on 1/6 of its wood poles/structures, and 1/10 of its other concrete and steel poles/structures, and complete all follow-up work identified from the 2018 inspections.

Distribution

1. Description of the Pole Inspection Program

FPL's eight-year inspection cycle for all distribution poles targets approximately 1/8 of the system annually; however, the actual number of poles inspected can vary somewhat from year to year. To ensure coverage throughout its service territory, FPL has established nine inspection zones, based on FPL's management areas and pole population, and annually performs pole inspections and necessary remediation in each of these zones.

FPL utilizes Osmose Utility Services ("Osmose"), an industry-leading pole inspection company, to perform the inspection of all distribution poles in its service territory. Osmose utilizes mobile computing technology to record inspection data and to calculate strength and loading. The loading calculation, span lengths, attachment heights and wire sizes are recorded in the mobile computer to determine whether the remaining pole strength capacity exceeds National Electrical Safety Code ("NESC") requirements. This data is then transferred to FPL's GIS. Pole locations inspected by Osmose are randomly audited by FPL to verify that inspections are completed and meet inspection standards.

Inspections include a visual inspection of all distribution poles from the ground-line to the top of the pole to identify visual defects (e.g., woodpecker holes, split tops, decayed tops, cracks, etc.). If, due to the severity of the defects, the poles are not suited for continued service, the poles are designated for replacement. With the exception of Chromium Copper Arsenate treated ("CCA") poles less than 16 years of age (modified in October 2014, see discussion below), if the pole passes the above-ground visual inspection, wood poles are excavated to a depth of 18" (where applicable), and sounded and bored to determine the internal condition of the pole. Poles encased in concrete or asphalt are not excavated but sounded and bored to determine their internal condition. Osmose developed and utilizes an inspection process for this condition called "Shell Boring". All suitable wood poles receive external and/or internal preservative treatment or, if not suitable, are replaced. Strength calculations are also performed on wood poles to determine compliance with NESC requirements.

CCA poles less than 16 years (modified in October 2014, see discussion below) of age are subject to a visual, sound and selective bore inspection, but not excavation. A bore inspection is performed if there is any decay indicated from the visual or sound inspection. To ensure that this exception will not compromise existing safety and storm hardening programs, FPL excavates a one percent sample of the CCA poles that would not normally qualify for full excavation.

In October 2014, the FPSC approved FPL's request to modify its Pole Inspection Program by: (1) increasing the excavation exemption for CCA poles from less than 16 years old to less than 28 years old; and (2) exempting any pole from a loading

assessment, during the second eight-year cycle, that tested less than 80% of full load during FPL's initial 8-year cycle. FPL will continue to conduct a one percent sample of exempted CCA poles and will monitor and report on poles with a 70%-80% initial eight-year cycle load test result.

Current NESC guidelines, outlined by Table 261-1A Section 26 of the NESC, require that distribution poles meet a minimum of Grade C construction. Building to Grade C is the typical standard for the distribution utility industry. However, FPL's strength and loading calculations for its distribution poles and pole inspections are based on the NESC's Grade B construction standard, a higher standard, as outlined by Table 261-1A section 26 of the NESC.

2. 2018 Accomplishments

In 2018, FPL inspected approximately 1/8 of its distribution pole population (156,010 in total, including 135,559 wood poles) throughout its service territory.

Consistent with its Commission-approved exemption, FPL also fully excavated a one percent sample of the CCA poles that would not have been fully excavated under this exemption. From that sample, zero poles failed the excavation portion of the inspection. FPL also met its sample target on poles with a 70%-80% initial eight-year cycle load test result. For 2018, FPL's distribution Pole Inspection Program costs were approximately \$50 million, including inspection and remediation costs for wood and concrete poles.

3. 2019 Plan

FPL's 2019 distribution pole inspection plan includes the inspection of approximately 1/8 of its pole population. FPL will also inspect CCA poles and perform load assessment tests, consistent with its recently approved exemptions and monitoring/sampling requirements.

The estimated cost for the 2019 distribution Pole Inspection Program is \$45 - \$55 million, including inspection and remediation costs for wood and concrete poles.

4. NESC compliance for strength and structural integrity

The following methods are used by FPL's vendor to determine NESC compliance for strength and structural integrity of FPL's poles.

Strength Assessment

On wood distribution poles, a strength assessment is performed to determine compliance to the NESC standards for strength. The strength assessment is based on a comparison of measured circumference versus original circumference of the pole. The effective circumference is measured and data collected to ensure that the actual condition of the pole meets NESC Grade B requirements as outlined in Table

261-1A Section 26 of the NESC. If the pole does not meet the Grade B NESC requirements, the pole will be reinforced or replaced.

Loading Assessment

On all distribution poles, a loading assessment is also performed and includes a combination of field measurements, span length, attachment heights (including third-party attachments) and wire sizes based on FPL construction standards. If NESC requirements are not met, the pole will be reinforced, replaced or the attachments will be relocated. As noted earlier, in October 2014, the FPSC approved FPL's request to modify its Pole Inspection Program by providing an exemption from performing a load assessment during the third eight-year cycle on any pole which tested less than 80% of full loading during FPL's initial 8-year cycle.

5. Summary data and results of 2018 pole inspections

Florida Power and Light Annual Wood Pole Inspection Report (Reporting Year 2018) (Cycle Year 5 of 8)												
a	b	c	d	e	f	g	h	i	j	k	l	m
Total # of Wooden Poles in the Company Inventory	# of Pole Inspections Planned this Reporting Year	# of Poles Actually Inspected this Reporting Year	# of Poles Failing Inspection this Reporting Year	Pole Failure Rate (%) this Reporting Year	# of Poles Designated for Replacement this Reporting Year	Total # of Poles Replaced this Reporting Year	# of Poles Requiring Minor Follow - up this Reporting Year	# of Poles Overloaded this Reporting Year	Method(s) V = Visual E = Excavation P= Prod S = Sound B= Bore R = Resistograph	# of Pole Inspections Planned for Next Reporting Year	Total # of Poles Inspected (Cumulative-to-Date) in the Current 8-Year Cycle	% of Poles Inspected (Cumulative-to-Date) in the Current 8-Year Cycle
1,075,419 (1)	124,915	135,559	Grade B & C 6,547	4.8	Grade B & C 2,816	Grade B & C 2,816	3,731	2,853	V, E, S, B	124,915	646,946 (1)	60.2 (1)
If b - c > 0, provide explanation		FPL exceeded its planned 2018 wood pole inspections, total pole inspections (Wood + Concrete) cycle to date is slightly ahead of schedule (63.88% vs 62.5%). Program aims to inspect approximately 1/8 of all wood and concrete poles each year; pole inspection counts will vary from year to year. Cycle to date Total Inspections: 741,514 / 1,160,848 = 63.88%										
If d - g > 0, provide explanation		Grade B & C poles failing >poles replaced due to: - Of the 6,547 wood poles failing inspection in the 2018, 3,731 are reinforcement (not replacement) candidates. 2,587 poles were reinforced in 2018, including 1,834 poles from the 2018 inspection cycle and 753 poles from the 2017 inspection cycle. Remaining reinforcement candidates from the 2018 Inspection Cycle will be reinforced during 2019. - 2,442 poles, including concrete, were replaced from the 2017 inspection cycle with any remaining to be replaced pending permitting. Replacement candidates identified during the 2018 Inspection Cycle will be replaced during 2019.										
Description of selection criteria for inspections		Inspections within FPL's nine established inspection zones are prioritized using inputs such as Critical Infrastructure Functions (CIFs) customers (E.G., hospitals, 911 centers, etc.), and reliability performance.										
(1) FPL began its second 8-year inspection cycle in January 2014, at which time there were approx. 1,160,848 total distribution poles in the system, 1,075,419 of which were wood. FPL continues to inspect approx. 1/8 of the total population in each year of the cycle. FPL notes that during the 8-year cycle, the wood pole population will decrease due to wood poles being replaced by concrete poles.												

As previously discussed, poles are remediated if they do not meet the higher NESC Grade B requirement. Remediation is categorized into two groups (Level 1 and Level 2) in order to allow for more effective scheduling and resource allocation.

Level 1 – This group of remediation requires more immediate attention. Urgent needs are addressed immediately.

Level 2 - Remediation that does not require immediate attention.

6. The cause(s) of each pole failure for poles failing inspections, to the extent that such cause(s) can be discerned in the inspection. Also, the specific actions the company has taken or will take to correct each pole failure.

The table below provides a summary of the wood pole inspection findings for the poles identified as poles requiring remediation.

Inspection Type	Remediation Type	NESC Min. (Grade C)	FPL Requirement (Grade B - Higher Standard)	Total Wood Remediation	Primary Cause(s)	Remediation Options
Visual	Restorable	4	n/a	4	N/A	Pole to be strengthened by installing C-Truss
	Non-Restorable	35	n/a	35	Decayed/Split Top, Cracks, Shell Rot	Pole to be replaced with new pole.
Strength	Restorable	166	2,329	2,495	Shell Rot	Pole to be strengthened by installing C-Truss
	Non-Restorable	104	1,056	1,160	Decayed/Split Top, Woodpecker Holes, Shell Rot	Pole to be replaced with new pole.
Loading	Restorable	0	1,232	1,232	Overloaded	Pole to be strengthened by installing ET Truss
	Non-Restorable	42	1,579	1,621	Overloaded	Pole will be evaluated to determine the most cost effective method to address the overloading. Options are: 1. Install intermediate pole(s). 2. Replace pole with a stronger class pole.

Transmission

7. Description of Pole Inspection Program

Consistent with its approved inspection plans, FPL performs annual ground level visual inspections on 100% of its transmission poles/structures – wood, concrete and steel. FPL also performs climbing or bucket truck inspections on all of its transmission poles/structures on a cyclical basis. In addition to the poles/structures being inspected, the condition of various transmission pole/structure components are assessed, including attachments, insulators, cross-arms, cross-braces, foundations, bolts, conductors, overhead ground wires (“OHGW”), guy wires, anchors, and bonding. An overview of FPL’s transmission pole/structure inspection procedures are outlined below:

Wood Poles/Structures

Annually, FPL performs ground level visual inspections on 100% of its wood transmission poles/structures, inspecting from the ground-line to the pole top. The visual inspection includes a review of the pole’s/structure’s condition as well as pole attachment conditions. If a wood transmission pole/structure does not

pass visual inspection, it is not tested any further and it is designated for replacement with concrete or steel transmission pole/structure.

FPL also performs a climbing or bucket truck inspection on all wood transmission poles/structures on a six-year cycle. If a wood pole/structure passes this visual inspection, a sounding test is then performed. If the result of a sounding test warrants further investigation, the wood pole/structure is bored to determine the internal condition of the pole. All bored poles, not designated for replacement, are treated with an appropriate preservative treatment.

Concrete and Steel Poles/Structures

Annually, FPL performs ground level visual inspections on 100% of its concrete and steel transmission poles/structures. The inspection incorporates an overall assessment of the pole/structure condition (e.g., cracks, chips, exposed rebar, and rust) as well as other pole/structure components including the foundation, all attachments, insulators, guys, cross-braces, cross-arms, and bolts. If a concrete or steel pole/structure fails the inspection, the pole/structure is designated for repair or replacement.

From 2006-2013, FPL performed a climbing or bucket truck inspection on all concrete and steel transmission poles/structures on a six-year cycle. From 2014 to 2016, FPL performed a bucket truck inspection on all 500 kV structures on a six-year cycle. Climbing or bucket truck inspections for steel and concrete poles/structures are now conducted on a 10-year cycle.

8. 2018 Accomplishments

In 2018, 100% of FPL's transmission poles/structures were visually inspected and approximately 1/6 of its wood and 1/10 of its other concrete and steel transmission poles/structures were inspected by climbing or from a bucket truck. Additionally, storm and pre-construction mitigation patrols were conducted on all concrete and steel poles/structures. For 2018, the cost for FPL's transmission pole/structures inspections program and follow-up work identified from the 2017 inspections was approximately \$37 million.

9. 2019 Plan

In 2019, the estimated cost for the transmission pole/structure inspections program and follow-up work identified from the 2018 inspections is approximately \$33 million.

10. NESC compliance for strength and structural integrity

The following methods are used during pole/structure inspections for determining NESC strength and structural integrity compliance:

Strength Assessment

For wood transmission poles/structures, the strength assessment is based upon a comparison of measured circumference versus the original circumference of the pole. If the effective circumference is measured and the actual condition of the pole does not meet NESC requirements as outlined in Table 261-1A Section 26 of the NESC, the pole is designated for reinforcement or replacement with concrete or steel transmission pole/structure.

Loading Assessment

FPL performs a loading assessment on wood transmission poles/structures with 3rd party attachments. This assessment is based on a combination of pole/structure length, framing configuration, span length, attachment heights (including 3rd party attachments) and conductor size. If the loading does not meet NESC requirements, the pole is designated for reinforcement, replacement or relocation of the third-party attachments.

11. Explanation of the inspected pole selection criteria

FPL prioritizes its transmission pole/structure inspections based on factors such as framing configuration (structural loading), transmission components, system importance, customer count, and inspection history for a transmission line section. Other economic efficiencies, such as multiple transmission line sections within the same corridor, are also considered.

12. Inspection Summary Data for the Previous Year

Summarized in the following sections are the 2018 inspection results and causes by transmission pole/structure materials:

Wood Transmission Poles/Structures

FPL's 2018 results from its six-year cyclical wood transmission pole/structure inspections are in the table, below. In addition, FPL performed its annual ground level visual inspections on 100% of its wood poles/structures.

Florida Power & Light Company Annual Wood Pole Inspection Report (Reporting Year 2018)												
a	b	c	d	e	f	g	h	i	j	k	l	m
Total # of Wooden Poles in the Company Inventory as of 01-2018	# of Wood Pole Inspection Planned this Annual Inspection	# of Wood Poles Inspected this Annual Inspection	# of Poles Failing Inspection this Annual Inspection	Pole Failure Rate (%) this Annual Inspection	# of Wood Poles Designated for Replacement this Annual Inspection	Total # of Wood Poles Replaced this Annual Inspection	# of Poles requiring Minor Follow-up this Annual Inspection	# of Poles Overloaded this Annual Inspection	Method(s) V=Visual E=Excavation P=Prod S=Sound B=Bore R=Resistograph	# of Wood Pole Inspections Planned for Next Annual Inspection Cycle	Total # of Wood Poles Inspected (Cumulative) in the 6-Year Cycle to Date	% of Wood Poles Inspected (Cumulative) in the 6-Year Cycle to Date
5,991	2,116	2,103	345	16.4%	648	1,117	n/a	0	V / P / S / B	433	2,103	35%
If b - c > 0, provide explanation		13 poles that were identified as wood for the 2018 inspection cycle were changed out to concrete in 2018.										
If d - g > 0, provide explanation												
Description of selection criteria for inspections		FPL prioritizes its inspections based on factors such as: framing configuration (structural loading), transmission components, system importance, customer count, and inspection history for a transmission line section. Other economic efficiencies, such as multiple transmission line sections within the same corridor, are also considered.										

* Column G represents the total number of transmission poles/structures replaced not only through its inspection program, but also from relocations, proactive rebuilds and system expansion.

Concrete and Steel Transmission Structures

FPL performed visual ground level inspections on 100% of its concrete and steel poles/structures and bucket inspections on 1/6 of its 500kV structures and 1/10 of all other concrete and steel poles/structures. The table below provides FPL's 2018 concrete and steel transmission pole/structure inspection results.

POLE INSPECTION REPORT			
Company: Florida Power & Light			
Summary of Concrete & Steel Transmission Pole Inspections			
Period: January 2018 thru December 2018			
Type of Inspection:	Concrete & Steel Transmission Structures Visual / Bucket		
Type of Pole:			
Average Class:	Varies		
Materials	Concrete & Steel		
Average Vintage	2002		
Installed Population as of 1/1/2018	60,694		
		% Planned	% Completed
Percent Inspections Planned & Percent Completed:		100%	100%
Reason for Variance/Plan to Address Backlog:			
No. of inspected poles addressing a prior backlog		0	0
		No. of Structures	% of Inspection
No. of structures identified for reinforcement:		0	0.0%
No. of poles identified for replacement:		23	0.04%
No. of structures identified for a change inspection cycle::		n/a	n/a
No. of structures that required no change in inspection cycle or remediation		60,671	99.96%
No. of structures identified as overloaded		0	0.0%

13. Identified Inspection Items (by Cause)

Summarized below are the cause(s) of the identified transmission pole/structure inspection failures along with specific actions that have or will be taken for each level of priority.

Wood Transmission Structures

Wood Transmission Structures					
Inspection Item	Level 1	Level 2	Non-Priority	Primary Cause(s)	Remediation
Ground-Line	19	23	5	Decay, Rot, Insects, Voids	Level 1 - Reinforce, Remediate, or Replace in year found Level 2 - Reinforce, Remediate, or Replace the following year Non-Priority – No action required
Above Ground-Line	162	141	509	Wood-Pecker Holes, Decay, Insects	
Overload (3 rd Party)	0	0	0	3rd Party Attachments	
Total	181	164	514	Refer to the Above	

To help prioritize and to better plan for future years, FPL has established the following priority levels of inspection reporting:

Level 1 Priority - Identified as approaching the minimum NESC requirements for Grade B construction with the potential to fall below the minimum before the end of the current year. These poles/structures are incorporated into current year work plans for reinforcement, remediation, or replacement with concrete or steel transmission pole/structure. The timeframe for completion is typically driven by customer provided access to the facilities and the coordination of a scheduled outage with other facility clearances scheduled on the grid.

Level 2 Priority - Identified as approaching the minimum NESC requirements for Grade B construction but will not fall below the minimum prior to the end of the following year. These poles/structures are identified for reinforcement, remediation, or replacement with concrete or steel transmission pole/structure as planned work by the end of the calendar year following inspection.

Non-priority – Identified as having reduction in capacity, but still above the minimum NESC requirements. When reported, these structures are documented but do not require specific action until the next inspection.

Concrete & Steel Transmission Structures

Concrete & Steel Transmission Structures					
Inspection Item	Level 1	Level 2	Non-Priority	Primary Cause(s)	Remediation
Base of Pole (Identified for Replacement)	2	21	3604	Corrosion / Cracks	Level 1 - Reinforce, Remediate, or Replace in year found
Base of Pole (Identified for Repair)	0	0	0	Cracks	Level 2 - Reinforce, Remediate, or Replace the following year
Total	2	21	3604	Refer to the Above	Non-Priority – No action required

To help prioritize and to better plan for future years, FPL has established the following priority levels of inspection reporting:

Level 1 Priority - Identified as approaching the minimum NESC requirements for Grade B construction with the potential to fall below the minimum before the end of the current year. These poles/structures are incorporated into current year work plans for reinforcement, remediation, or replacement with concrete or steel transmission pole/structure. The timeframe for completion is typically driven by customer provided access to the facilities and the coordination of a scheduled outage with other facility clearances scheduled on the grid.

Level 2 Priority - Identified as approaching the minimum NESC requirements for Grade B construction and will not fall below the minimum prior to the end of the following year. These poles/structures are identified for reinforcement, remediation, or replacement with concrete or steel transmission pole/structure as planned work by the end of the calendar year following inspection.

Non-priority – Identified as having structural deterioration, but still meets all of the NESC strength requirements. When reported, these structures are documented but do not require specific action until the next inspection.

SYSTEM HARDENING

System Hardening

Distribution

Consistent with FPL's FPSC-approved 2016–2018 Electric Infrastructure Storm Hardening Plan (see Order PSC16-0560-AS-EI in Docket No. 160021-EI), FPL continued to implement its three-prong approach in 2018 by applying: (1) EWL criteria to critical infrastructure functions ("CIFs") feeders; (2) incremental hardening, up to and including EWL, to "Community Project" feeders; and (3) construction design guidelines that require EWL for the design and construction of all new overhead facilities, major planned work and relocation projects. Additionally, FPL continued with its next phase of feeder hardening, which addresses the remaining feeders in its system by targeting current feeders that do not meet EWL criteria (referred to as "wind zone" feeders).

- In 2018, FPL continued to complete work on prior years' feeders including CIF (e.g., hospitals, 911 centers, and other facilities designated by the respective EOCs as CIFs) and "Community Project" feeders. In total, FPL completed hardening on 11 "01" switches, 2 highway crossings and 200 feeders. Another 150 feeders are currently in construction. Also, FPL's Design Guidelines were applied to all new construction and other construction activities described above. As of 2/28/19, FPL has hardened 98% of all CIF and "Community Project" feeders in its system. The remaining 2% of CIF and "Community Project" feeders are in various stages of construction (e.g. over 38% of the remaining feeders are between 75%-99% complete and another 19% are more than 50%-74% complete). The vast majority of these remaining projects are expected to be completed by June 2019, with the exception of a few projects that are delayed as a result of issues beyond FPL's control (e.g., pending municipal OH/UG conversions projects, FDOT roadway projects, permitting issues).
- In 2018, as a result of lessons learned from Hurricanes Matthew and Irma, FPL initiated its 3-year Storm Secure Underground Program Pilot ("The Pilot"), which targets certain overhead laterals (i.e., laterals impacted by recent storms and with a history of vegetation related outages and other reliability issues). To date, three laterals have been converted from overhead to underground. Proposed 2019 plans for the Pilot are provided in FPL's 3-year Hardening Plan Filing, filed with the FPSC on March 1, 2019.
- FPL also continued to promote overhead-to-underground conversions in 2018. Five municipalities signed agreements under FPL's GAF tariff and moved forward with their projects. There were also 12 municipal requests for non-binding/order of magnitude estimates for potential overhead-to-underground conversions during 2018.

Distribution

1. Describe each Storm Hardening activity undertaken in the field during 2018.

2018 Wind Zone Feeders

2018 Wind Zone Feeders					
	County	Feeder	Substation	Substation Address	Status
1	Brevard	203935	MCDONNELL	6015 Sisson Rd (W/O US 1)	Complete in 2019
2	Brevard	204362	SUNTREE	7855 N Wickham Rd	Complete in 2019
3	Brevard	209801	YORKE	5075 Korbin Ave	Complete
4	Broward	708432	BUTTERFLY	6010 State Rd 7	Complete in 2019
5	Broward	703738	CRYSTAL	3951 Powerline Rd	Complete
6	Broward	702134	CYPRESS CREEK	Powerline Rd & McNab Rd	Complete
7	Broward	703535	DEERFIELD BEACH	Deerfield Ave & SW 10th St	Complete
8	Broward	703542	DEERFIELD BEACH	Deerfield Ave & SW 10th St	Complete in 2019
9	Broward	707268	FLAMINGO	4601 Flamingo Rd	Complete in 2019
10	Broward	706168	HOLLYBROOK	10501 Washington St	Complete in 2019
11	Broward	700241	HOLLYWOOD	709 N 21st Ave	Complete
12	Broward	704263	IMAGINATION	15901 SW 45th St	Complete
13	Broward	704938	LAKEVIEW	2 MLN/O Sample Rd on Powerline Rd	Complete
14	Broward	704939	LAKEVIEW	2 MLN/O Sample Rd on Powerline Rd	Complete in 2019
15	Broward	701132	LYONS	900 SE 15th St (McNab Rd)	Complete
16	Broward	701136	LYONS	900 SE 15th St (McNab Rd)	Complete
17	Broward	704562	MALLARD	8301 Southgate Blvd	Complete
18	Broward	705463	PHOENIX	8401 Southgate Blvd	Complete
19	Broward	700342	PINEHURST	2101 SW 9th Ave	Complete
20	Broward	700538	POMPANO	Powerline Rd & Hammondville Rd	Complete
21	Broward	709262	PROGRESSO	1430 Progresso Dr	Complete in 2019
22	Broward	703131	RAVENSWOOD	2301 Stirling Rd	Complete in 2019
23	Broward	705566	SOUTHSIDE	200 SW 7th St	Complete
24	Broward	705237	TIMBERLAKE	5300 S University Dr	Complete in 2019
25	Broward	707934	TWINLAKES	4501 NW 9TH Ave	Complete
26	Broward	700637	VERENA	1401 NE Flagler Dr	Complete in 2019
27	Broward	703231	WOODLANDS	5400 NW 43rd St	Complete
28	Charlotte	500767	ENGLEWOOD	740 S River Rd	Complete in 2019
29	Charlotte	506464	FRANKLIN	16401 Franklin Ave	Complete in 2019
30	Charlotte	502066	MURDOCK	2025 Tamiami Tr	Complete in 2019
31	Collier	504064	CAPRI	2099 SR 951	Complete in 2019
32	Collier	506667	LIVINGSTON	1 MI. N/O Golden Gate Pkwy on Livingston Rd	Complete in 2019
33	Collier	501238	NAPLES	366 12th St	Complete in 2019
34	Collier	503132	SOLANA	1405 SOLANA RD.	Complete in 2019
35	Collier	509061	SUMMIT	171 & 191 Weber Blvd N	Complete
36	Dade	804031	LE JEUNE	91 Miami International Airport	Underground
37	Dade	807961	MIAMI LAKES	14501 NW 77th Ave	Complete in 2019
38	Dade	809340	RONEY	2330 Liberty Ave	Complete
39	Dade	809432	SAGA	8750 SW 232nd St	Underground
40	Dade	808538	SEMINOLA	500 W 21st St	Complete in 2019

2018 Wind Zone Feeders (continued)					
41	Dade	809932	SIMPSON	199 SW 14th St	Complete
42	Flagler	102035	BULOW	John Anderson Hwy & N Washington Ave	Complete in 2019
43	Hendry	502463	LABELLE	3880 SR 29 South	Complete in 2019
44	Lee	502166	BONITA SPRINGS	9491 Bonita Beach Rd	Complete
45	Lee	502635	COLONIAL	4308 Yale Ct	Complete in 2019
46	Lee	501133	FT MYERS	1835 Lee St	Complete in 2019
47	Lee	508531	HANSON	Ford and Hanson St	Complete in 2019
48	Lee	501835	TICE	10675 SR 80	Complete in 2019
49	Lee	505465	WINKLER	3150 Windler Ave	Complete in 2019
50	Manatee	500665	CORTEZ	4402 44th Ave	Complete in 2019
51	Martin	401763	OLYMPIA	13400 Powerline Rd	Complete
52	Martin	404633	PLATT	18300 Warfield Blvd	Complete
53	Miami-Dade	800434	COCONUT GROVE	2998 SW 37th Ave	Complete in 2019
54	Miami-Dade	802034	CUTLER	14925 SW 67th Ave	Complete in 2019
55	Miami-Dade	806435	HAINLIN	SW 147th Ave & 216th St	Complete in 2019
56	Miami-Dade	808532	SEMINOLA	W 5th Ave & 20th St	Complete in 2019
57	Palm Beach	400731	BOCA RATON	301 W Palmetto Park Rd	Complete
58	Palm Beach	420061	CORBETT	2000 210TH Trail N	Complete
59	Palm Beach	406932	DELMAR	22950 Powerline Rd	Complete in 2019
60	Palm Beach	403732	MONET	5000 PGA Blvd	Complete in 2019
61	Palm Beach	409231	OSCEMILL	32261 US HWY 98	Complete in 2019
62	Palm Beach	409963	PINEWOOD	16701 South SR 7	Complete in 2019
63	Sarasota	505763	AUBURN	2235 Venice Ave	Complete in 2019
64	Sarasota	501064	FRUITVILLE	611 Bell Rd	Complete in 2019
65	Sarasota	506561	GRANADA	5503 S Tamiami Tr	Complete
66	Sarasota	505363	PARK	5115 University Pkwy	Complete in 2019
67	Sarasota	503435	SOUTH VENICE	150 Grove Rd	Complete in 2019
68	Sarasota	500331	VENICE	425 Albee Farms Rd	Complete in 2019
69	Seminole	210133	DERBY	SR 46A & Oregon Ave	Complete
70	Seminole	201433	GRANDVIEW	2510 Grandview Ave	Complete in 2019
71	St Johns	100231	ST AUGUSTINE	Riberia St & San Sebastian River	Complete in 2019
72	St Johns	100235	ST AUGUSTINE	Riberia St & San Sebastian River	Complete in 2019
73	St. Lucie	407461	INDRIO	7777 Indrio Rd	Complete in 2019
74	St. Lucie	401435	WHITE CITY	641 Weatherbee Rd	Complete
75	Volusia	102033	BULOW	John Anderson Hwy & N Washington Ave	Complete in 2019
76	Volusia	100134	DAYTONA BEACH	132 N Seagrave St	Complete in 2019
77	Volusia	100139	DAYTONA BEACH	132 N Seagrave St	Complete in 2019
78	Volusia	101035	HOLLY HILL	405 Walker St	Complete in 2019
79	Volusia	101135	ORMOND	4400 Sterthuase Dr	Complete in 2019
80	Volusia	100834	PORT ORANGE	3000 Spruce Creek Rd	Complete in 2019
81	Volusia	100934	SOUTH DAYTONA	1601 S Palmetto Ave	Complete in 2019
82	Volusia	100938	SOUTH DAYTONA	1601 S Palmetto Ave	Complete

2018 01 Switches

01 Switches				
	County	Substation	Fdr	Status
1	Brevard	CITY POINT	201531	Complete
2	Broward	FAIRMONT	700732	Complete
3	Broward	HOLLYWOOD	700235	Complete in 2019
4	Broward	LYONS	701164	Complete in 2019
5	De Soto	DORR FIELD	504262	Complete in 2019
6	Lee	EDISON	503633	Complete in 2019
7	Manatee	CASTLE	504661	Complete
8	Miami-Dade	MARKET	803539	Complete
9	Miami-Dade	ULETA	806334	Complete in 2019
10	Miami-Dade	OLYMPIA HEIGHTS	808932	Complete
11	Miami-Dade	SEMINOLA	808533	Complete
12	Palm Beach	GREENACRES	401031	Complete in 2019
13	Palm Beach	ACREAGE	406767	Complete in 2019
14	Seminole	CELERY	200262	Complete
15	St Lucie	EDEN	411031	Complete in 2019
16	Union	LAKE BUTLER	300431	Complete

2018 Highway Crossings

Highway Crossings					
	County	Substation	Fdr	Highway	Status
1	Palm Beach	ATLANTIC	403231	I-95	Complete in 2019
2	St Lucie	ALLAPATTAH	412161	I-95	Complete in 2019
3	Miami-Dade	WESTON VILLAGE	807833	I-95	Complete in 2019

2018 Storm Secure Underground Program (“SSUP”)

2018 SSUP Laterals Completed						
	Region	Feeder	Substation	Franchise	Lateral #	Status
1	West	504532	Tuttle	Sarasota	51768423396	Complete
2	East	404733	Hillsboro	Boca Raton	87895343609	Complete
3	East	404736	Hillsboro	Boca Raton	88095571204	Complete

2. Describe the process used by your Company to identify the location and select the scope of feeder hardening projects.

Upon the completion of CIF and “Community Project” feeders, the 2018 plan primarily focused on the next phase of hardening, which addresses the remaining feeders in its system and targets current feeders that do not meet EWL criteria (referred to as “wind zone” hardening); and substations without any hardened feeders (referred to as “geographic” hardening). These feeders were identified and prioritized by our Operations and Reliability teams by the difficulty to restore and the overall performance of the feeders.

3. Provide the costs incurred and any quantified expected benefits

Total Distribution hardening costs in 2018 were approximately \$505 million. This includes costs associated with completing projects initiated in prior years and excludes the incremental costs related to applying Design Guidelines on new construction, relocation projects and daily work, as these costs are not specifically tracked.

For expected benefits, refer to FPL’s filings in Docket Nos. 070301-EI, 100266-EI, 130132-EI, 160021-EI and 160061-EI. Also as provided in FPL 3rd Supplemental response to FPSC Staff’s First Data Request in Docket 20170215-EU:

- Based on an FPL analysis, the 40-year net present values of the savings related to storm hardening for Hurricanes Matthew and Irma are significant
 - o Without storm hardening, restoration construction man hours for Hurricanes Matthew and Irma would have been higher by 36% and 40%, respectively;
 - o Without storm hardening, total days to restore for Hurricanes Matthew and Irma would have been higher by 50% and 40%, respectively; and
 - o Without storm hardening, restoration costs for Hurricanes Matthew and Irma would have been greater by 36% and 40%, respectively.

Also, hardened feeders are providing significant day-to-day reliability

benefits, as hardened feeders have performed approximately 40% better than non-hardened feeders.

It is also important to note that, in addition to restoration cost savings, customers will benefit substantially, in many direct and indirect ways, from the reduced number and duration of storm and non-storm outages resulting from the planned hardening activities. While FPL understands that the Commission considers these customer benefits to be important, FPL expects that they vary substantially from customer to customer and FPL is not in a position to assign a monetary value to them. Therefore, FPL has not attempted to reflect customer benefits in its quantitative benefit/cost analysis.

Under the Commission's storm hardening rule, the criterion by which the plans are to be judged for approval is whether they meet the desired objectives of enhancing reliability and reducing restoration costs and outage times in a prudent, practical, and cost-effective manner to the affected parties. (see Rule 25-6.0342(2), F.A.C.). FPL's storm hardening plan is highly cost-effective, at many levels, as it has been and remains focused on targeted hardening activities where the most customers will receive the most benefits as quickly as possible.

4. Discuss any 2019 projected activities and budget levels

FPL's proposed hardening plans for 2019 – 2021 are also being filed with the FPSC on March 1, 2019, in Docket No. 20180144-EI. Please see that filing for details regarding FPL's proposed 2019 hardening plans.

Transmission

1. Description of Hardening Programs

Please refer to FPL's response to Item 1. – Description of Transmission Hardening Programs, in Initiative 4 of the Storm Preparedness Initiatives section of this filing for a description of FPL's transmission storm hardening initiatives.

2. Method of Selection

Please refer to FPL's response to Item 2. – Method of Selection, in Initiative 4 of the Storm Preparedness Initiatives section of this filing for a description of the method FPL used to determine the selection of each transmission storm hardening initiative.

3. 2018 Accomplishments

Please refer to FPL's response to Item 4. – 2018 Accomplishments, in Initiative 4 of the Storm Preparedness Initiatives section of this filing for a summary of the 2018 accomplishments for the replacement of wood transmission structures.

4. 2019 Plans

Please refer to FPL's response to Item 5. Proposed 2019 Plans, in Initiative 4 of the Storm Preparedness Initiatives section of this filing for a summary of the proposed plans for hardening of wood transmission structures. FPL's hardening plans for 2019 – 2021 are also being filed with the FPSC on March 1, 2019, in Docket No. 20180144-EI. Please see that filing for details regarding FPL's proposed 2019 hardening plans.

STORM PREPAREDNESS INITIATIVES

Summary – Storm Preparation Initiatives

(1) Vegetation Trim Cycles – In 2018, FPL continued its three-year average cycle and mid-cycle programs for feeders and its six-year average trim cycle for laterals.

(2) Joint Use Audits – Approximately 20 percent of FPL's jointly used poles are audited annually through its joint use surveys. Additionally, joint use poles are inspected through FPL's Pole Inspection Program. Survey and inspection results continue to show that through FPL's joint use processes and procedures, along with cooperation from joint pole owners and third-party attachers, FPL has properly identified and accounted for the joint use facilities on its system.

(3) Six-year Transmission Structure Inspection Cycle – In 2018, FPL performed ground level visual inspections on 100% of its transmission poles/structures. Additionally, FPL performed climbing or bucket truck inspections on approximately 1/6 of its wood transmission poles/structures, and 1/10 of its other concrete and steel poles/structures and conducted storm and pre-construction mitigation patrols on all concrete and steel poles/structures.

(4) Hardening the Transmission System – In 2018, FPL continued executing its plan to replace all wood transmission structures in its system. At year-end 2018, 93% of FPL's total transmission structure population was steel or concrete.

(5) Distribution Geographic Information System ("GIS") – FPL completed its five originally approved key Distribution GIS improvement initiatives in 2011. These initiatives included developing a post-hurricane forensic analysis tool and the addition of poles, streetlights, joint use survey and hardening level data to the GIS. Updates to the GIS continue as data is collected through inspection cycles and other normal daily work activities.

(6) Post-Storm Forensic Collection/Analysis – FPL has post-storm forensic data collection and analysis plans, systems and processes in place and available for use. In 2018, results of post-storm forensics analysis were provided in Docket No. 20170215-EU, FPL's Third Supplemental Amended Response to Staff's First Data Request, No. 29. Key information provided in that response included:

- While FPL experienced significantly more outages during Hurricane Irma (4.4 million customers) as compared to Hurricane Wilma (3.2 million customers), restoration occurred significantly faster after Hurricane Irma:
 - o For Hurricane Irma, 50% of customers restored in 1 day; for Hurricane Wilma, 5 days;
 - o For Hurricane Irma, all customers who could receive service restored in 10 days; for Hurricane Wilma, 18 days;
- Hardened feeder poles performed significantly better than non-

hardened poles:

- o For Hurricane Matthew, 0 hardened feeder poles failed, while 408 non-hardened feeder poles failed;
 - o For Hurricane Irma, hardened feeder poles had a 0.02% failure rate, while non-hardened poles had a 0.20% failure rate;
- Hardened feeders performed significantly better than non-hardened feeders
 - o For Hurricane Matthew, 14% of the non-hardened overhead feeders experienced an outage, while 9% of the hardened overhead feeders experienced an outage;
 - o For Hurricane Irma, 82% of the non-hardened overhead feeders experienced an outage, while 69% of the hardened overhead feeders experienced an outage;
 - o In addition to less outages on hardened feeders, for Hurricane Irma, the construction man hours to restore hardened feeders was 50% less than non-hardened feeders, primarily due to hardened feeders experiencing less damage than non-hardened feeders.

(7) OH and UG Storm Performance – FPL has plans, systems and processes in place to capture OH and UG storm performance. As provided in Docket No. 20170215-EU, FPL's Third Supplemental Amended Response to Staff's First Data Request, No. 29:

- Underground feeders and laterals performed significantly better than overhead feeders and laterals.
 - o For Hurricane Matthew, 2% of the underground feeders versus 13% of all feeders and 0.2% of the underground laterals versus 2% of all laterals experienced an outage.
 - o For Hurricane Irma, 18% of the underground feeders versus 70% of all feeders and 4% of the underground laterals versus 13% of all laterals experienced and outage.

(8) Increased Coordination with Local Governments – In 2018, FPL continued its efforts to improve local government coordination. Activities included: (1) meetings with county emergency operations managers to discuss and identify critical infrastructure locations in each jurisdiction as identified by the local government; (2) inviting federal and state emergency management personnel to participate in FPL's annual company-wide storm preparedness dry run; (3) improved communication tools, based on input from local governmental officials, have been implemented to provide additional information to those officials during emergency events to better coordinate restoration efforts; and (4) FPL's EA managers made presentations to educate communities served by FPL on topics of interest including service reliability, energy conservation, storm readiness and power generation. These presentations

help address the informational needs of local community-based organizations. EA managers provided over 930 community presentations in 2018.

(9) Collaborative Research on Hurricanes/Storm Surge – Collaborative research efforts led by the Public Utility Research Center (“PURC”) continued and the fourth extension of the MOU (through 2020) was approved.

(10) Natural Disaster Preparedness/Recovery Plans – FPL’s Storm Emergency Plan identifies emergency conditions and the responsibilities and duties of the FPL emergency response organization for severe weather and fires. The plan covers the emergency organization, roles and responsibilities and FPL’s overall severe storm emergency processes. These processes describe the planning activities, restoration practices, public communications, and coordination with government, training, practice exercises and lessons-learned evaluation systems. The plan is reviewed annually and revised as necessary.

STORM PREPAREDNESS INITIATIVE No. 1

Initiative 1 – Vegetation Management Trim Cycles

1. A complete description of the Company's vegetation management program (policies, guidelines, practices) for 2018 and 2019 in terms of both activity and costs.

Tree limbs and branches, especially palm fronds, are among the most common causes of power outages and momentary interruptions. The primary objective of FPL's distribution vegetation management program is to clear vegetation in areas where FPL is permitted to trim from the vicinity of distribution facilities and equipment in order to provide safe, reliable and cost-effective electric service to its customers. The program is comprised of multiple initiatives designed to reduce the average time customers are without electricity as a result of vegetation-related interruptions. This includes preventive maintenance initiatives (planned cycle and mid-cycle maintenance), corrective maintenance (trouble work and service restoration efforts), customer trim requests, and support of system improvement and expansion projects, which focus on long-term reliability by addressing vegetation that will impact new or upgraded overhead distribution facilities.

FPL follows the NESC, the American National Standards Institute ("ANSI") A-300, and all other applicable standards while considering tree species, growth rates and the location of trees in proximity to our facilities when performing line clearing. Danger trees (leaning, structurally damaged, or dead) outside of right-of-way ("ROW") which cannot be effectively trimmed by FPL are candidates for customer-approved removal.

On May 30, 2007, the FPSC issued Order No. PSC-07-0468-FOF-EI approving the continuation of FPL's three-year average trim cycle for feeders and the implementation of a six-year average trim cycle for laterals.

FPL maintains its distribution feeder lines on a three-year average trim cycle because it offers the optimal balance of reliability performance and vegetation clearing cost. The primary benefit of properly maintaining feeder lines is that a feeder outage can affect, on average, approximately 1,500 customers, as compared to a lateral line that can affect, on average, approximately 35 customers.

FPL enhances its approved feeder trimming plan through its mid-cycle trimming program, which encompasses patrolling and trimming feeders between planned maintenance cycles to address tree conditions that may cause an interruption prior to the next planned cycle trim. Mid-cycle work units typically have a trim age of 12 to 18 months and usually involve certain fast-growing trees (e.g., palm trees) that need to be addressed before the next scheduled cycle trim date.

Customers often contact FPL with requests to trim trees around lines in their neighborhoods and near their homes. As a result of our discussions with these customers and/or a follow-up investigation, FPL either performs the necessary

trimming or determines that the requested trimming can be addressed more efficiently by completing it through the normal scheduled cycle trimming.

Finally, a very important component of FPL's vegetation program is providing information to customers to educate them on our trimming program and practices, safety issues, and the importance of placing trees in the proper location, i.e., FPL's "Right Tree, Right Place" ("RTRP") program. RTRP is a public education program based on FPL's core belief that providing reliable electric service and sustaining our natural environment can go hand-in-hand and is a win-win partnership between the utility and its customers.

In 2018, FPL continued to maintain three and six-year average trim cycles for feeders and laterals, respectively, and cleared additional feeder miles through its mid-cycle program. Additionally, FPL continued to pursue the challenges associated with palm removals, customer refusals and danger trees outside the right-of-way. Total cost/feeder miles reflect work completed in conjunction with capital projects, restoration activities and customer trim requests.

<u>Cost</u>	<u>Feeder Miles</u>			<u>Lateral Miles</u>
<u>(Millions)</u>	<u>Cycle</u>	<u>Mid-Cycle</u>	<u>Total</u>	<u>Cycle</u>
\$65	4,251	7,093	11,344	3,926

2. Definitions of terms: danger tree, demand tree, spot trim, mid-cycle trim

Danger Tree – A tree, beyond normal clearance specification, that has high likelihood to fail and impact facilities. Danger tree failure can be associated with factors such as trees that are leaning, structurally damaged, dead or are a certain tree species.

Spot trim – Addresses a specific location vs. entire line segment through hot spot trimming. This includes trouble tickets or reliability-related requests.

Demand Trim/Customer Trim Request ("CTR") – Addresses tree conditions reported by a customer. FPL will inspect and, if trimming is required for safety or reliability, the necessary work will be performed.

Mid-cycle Program – 12 to 18-month patrol and trim cycle to address conditions on feeders that will require trimming prior to scheduled planned maintenance.

3. The criteria used to determine whether to remove a tree, replace a tree, spot trim, demand trim, or mid-cycle trim.

Tree removal – Trees which cannot be effectively trimmed to meet clearance specifications and ANSI A-300 are evaluated based on species and cost to remove. Palms are a primary removal candidate, especially for feeders.

Tree replacement – FPL does not have a tree replacement program. On a targeted and very limited basis, contribution toward replacement is considered.

Spot trim –Spot trimming addresses a specific location based on reliability performance.

Demand trim – Tree meeting FPL’s existing CTR criteria (See Item 12).

Mid-cycle Program – Any feeder not scheduled for maintenance in the current year is eligible for mid-cycle trimming and typically has a trim age of 12 - 18 months.

4. Provide an analysis of the cost and benefits of the Company’s program vs. three-year trim cycle program for feeders and laterals

See Direct Testimony & Exhibits of: Manuel B. Miranda filed December 20, 2006 (Docket No. 060198-EI).

5. Tree clearing practices in utility easements and authorized rights-of-way

FPL’s line clearing practice is to pre-notify customers of scheduled maintenance activities. FPL clears lines (within easements, authorized rights-of-way and in limited cases outside of easements) to its clearance specifications to protect its facilities and maintain reliable service.

6. Relevant portions of utility tariffs pertaining to utility vegetation management activities within and authorized rights-of-way

Within easement and rights-of-way:

Rule 2.8 Access to Premises:

The duly authorized agents of the company shall have safe access to the premises of the customer at all reasonable hours for installing, maintaining and inspecting or removing company’s property, reading meters, trimming trees within the company’s easements and right of way, and other purposes incident to performance under or termination of the company’s agreement with the customer, and in such performance shall not be liable for trespass.

Rule 5.6 Unobstructed Access to Company’s Facilities:

Company shall have perpetual unobstructed access to its overhead and underground facilities, such as poles, underground cables, pad-mounted transformers and meters in order to perform repair and maintenance in a safe, timely and cost-efficient manner.

7. Tree removal practices for trees that abut and/or intrude into easements and authorized rights-of-way

Trees identified for removal within an easement or ROW will usually involve customer contact and a signed Tree Work Authorization ("TWA") by the customer. If removal is not possible, FPL will clear to the extent possible while complying with applicable line clearing standards and practices. In addition, FPL routinely communicates with local communities about the various issues concerning tree removals on residential property and in public ROW.

8. Tree clearing practices outside of easements and authorized ROW

FPL will clear, to the extent possible, any vegetation that encroaches upon its facilities, to provide for adequate clearances while complying with applicable line clearing standards and practices.

9. Relevant portions of utility tariffs pertaining to utility vegetation management activities outside easements and authorized ROW

Outside easement:

There are no specific utility rights to remove trees outside a ROW. Through FPL's RTRP efforts, customers are informed and encouraged to take responsibility and carefully consider the mature height of vegetation planted adjacent to power structures.

10. Tree removal practices for trees outside of easements and authorized ROW

Trees outside an easement or ROW that are targeted for removal will typically involve customer contact and a signed TWA. If a removal is not possible, FPL will clear to the extent possible while complying with applicable line clearing standards and practices.

11. Relevant portions of utility tariffs pertaining to customer vegetation management obligations as a term or condition of electric service

These General Rules and Regulations are a part of the Company's Tariff covering the terms and conditions under which Electric Service is supplied by the Company to the Customer. They are supplemental to the "Rules and Regulations Governing Electric Service by Electric Utilities" issued by the FPSC.

Company tariffs;

Rule 5.5 Interference with Company's Facilities:

The customer should not allow trees, vines and shrubs to interfere with the Company's adjacent overhead conductors, service wires, pad-mounted transformers and meter. Such interference may result in an injury to persons, or may cause the customer's service to be interrupted. In all cases, the customer should request the Company to trim or remove trees and other

growth near the Company's adjacent overhead wires, and under no circumstances should the customer undertake this work himself, except around service cables when specifically authorized by and arranged with the company

Rule 2.9 Right of Way:

The customer shall grant or cause to be granted to the Company and without cost to the Company all rights, easements, permits and privileges which, in the opinion of the Company, are necessary for the rendering of service to the customer.

12. Company practices regarding CTRs; also known as “demand trim” requests

CTRs that are inspected and found to involve potentially hazardous conditions are immediately scheduled for clearing. If conditions are inspected and determined not to be potentially hazardous, FPL advises the customer that the work will be deferred to scheduled maintenance.

13. 2019 projected activities and budget levels

In 2019, FPL's distribution vegetation management plan includes trimming approximately 11,500 feeder miles (including feeder cycle and mid-cycle miles) and approximately 3,800 lateral cycle miles. The plan also includes work to be completed in conjunction with capital projects, restoration activities for normal (i.e., not named storm or extreme weather events such as tornadic activity) events and customer trim requests. Total estimated costs associated with these activities are approximately \$60-\$70 million.

14. Include the requirements of applicable orders:

Initiative 1

Three-Year Vegetation Cycle

System Vegetation Management Performance Metrics

2018 System Totals					
Reliability	Feeders	Laterals			
(A) Total current system miles	12,674	22,930			
(B) Number of Outages	155	3,469			
(C) Customer Interruptions	190,932	122,588			
(D) Customer Minutes of Interruption	8,802,243	19,068,421			
(E) Outages per Mile [B ÷ A]	0.01	0.15			
(F) Vegetation CI per Mile [C ÷ A]	15.1	5.3			
Cycle Maintenance Trimming	Feeders (F)			Laterals (L)	Totals F + L
	Cycle	Mid-cycle	Totals	Cycle	
(G) Number of years in the cycle	3			6	
(H) 1st year of this cycle	2016			2013	
(I) Total miles at beginning of this cycle	12,850			22,788	
(J) Total miles cleared this cycle	13,050	21,429	34,479	22,857	57,336
Miles cleared 2018	4,251	7,093	11,344	3,926	15,270
Miles cleared 2017	4,381	7,148	11,529	3,560	15,089
Miles cleared 2016	4,418	7,188	11,606	3,745	15,351
Miles cleared 2015	4,209	7,218	11,427	3,817	15,244
Miles cleared 2014	4,249	7,244	11,493	3,685	15,178
Miles cleared 2013	4,637	7,100	11,737	4,124	15,861
(K) Percentage of this cycle completed	101.6%			100.3%	
(L) Planned Maintenance Goal (next year) 2019	4,254	7,200	11,454	3,810	15,264
(M) Number of Hotspot Trims	N/A			N/A	18,334
Cost					Totals (M)
(N) All Vegetation Management Costs					\$65.5
(P) Vegetation Budget (current year) 2018					\$70.3
(Q) Vegetation Budget (next year) 2019					\$65.8

1) REGIONS - Management Area (MA) Vegetation Management Performance Metrics

2018 Dade					
Reliability	Feeders	Laterals			
(A) Total current system miles	1,978	2,518			
(B) Number of Outages	36	432			
(C) Customer Interruptions	38,077	15,800			
(D) Customer Minutes of Interruption	1,549,982	3,112,491			
(E) Outages per Mile [B ÷ A]	0.02	0.17			
(F) Vegetation CI per Mile [C ÷ A]	19.3	6.3			
Cycle Maintenance Trimming	Feeders (F)			Laterals (L)	Totals F + L
	Cycle	Mid-cycle	Totals	Cycle	
(G) Number of years in the cycle	3			6	
(H) 1st year of this cycle	2016			2013	
(I) Total miles at beginning of this cycle	1,999			2,500	
(J) Total miles cleared this cycle	2,070	2,330	4,400	3,038	7,439
Miles cleared 2018	696	956	1,652	471	2,123
Miles cleared 2017	664	734	1,398	631	2,029
Miles cleared 2016	710	640	1,350	520	1,870
Miles cleared 2015	696	992	1,688	506	2,194
Miles cleared 2014	670	624	1,294	439	1,733
Miles cleared 2013	703	468	1,171	472	1,643
(K) Percentage of this cycle completed	103.6%			121.5%	
(L) Planned Maintenance Goal (next year) 2019	623	508	1,131	454	1,585
(M) Number of Hotspot Trims	N/A			N/A	4,617
Cost					Totals
(N) All Vegetation Management Costs					\$8.0
(P) Vegetation Budget (current year) 2018					\$9.4
(Q) Vegetation Budget (next year) 2019					\$10.7

2) REGIONS - Management Area (MA) Vegetation Management Performance Metrics

2018 East					
Reliability	Feeders	Laterals			
(A) Total current system miles	3,416	3,672			
(B) Number of Outages	24	597			
(C) Customer Interruptions	30,907	22,280			
(D) Customer Minutes of Interruption	1,357,396	3,541,380			
(E) Outages per Mile [B ÷ A]	0.01	0.16			
(F) Vegetation CI per Mile [C ÷ A]	9.0	6.1			
Cycle Maintenance Trimming	Feeders (F)			Laterals (L)	Totals F + L
	Cycle	Mid-cycle	Totals	Cycle	
(G) Number of years in the cycle	3			6	
(H) 1st year of this cycle	2016			2013	
(I) Total miles at beginning of this cycle	3,454			3,653	
(J) Total miles cleared this cycle	3,487	5,546	9,034	3,450	12,484
Miles cleared 2018	1,171	1,574	2,745	590	3,335
Miles cleared 2017	1,135	2,122	3,257	502	3,759
Miles cleared 2016	1,181	1,850	3,032	528	3,560
Miles cleared 2015	1,163	1,566	2,729	612	3,341
Miles cleared 2014	1,096	1,498	2,594	606	3,200
Miles cleared 2013	1,263	1,746	3,009	613	3,622
(K) Percentage of this cycle completed	101.0%			94.5%	
(L) Planned Maintenance Goal (next year) 2019	1,155	1,766	2,920	599	3,520
(M) Number of Hotspot Trims	N/A			N/A	3,919
Cost					Totals
(N) All Vegetation Management Costs					\$16.3
(P) Vegetation Budget (current year) 2018					\$17.8
(Q) Vegetation Budget (next year) 2019					\$15.9

3) REGIONS - Management Area (MA) Vegetation Management Performance Metrics

2018 North					
Reliability	Feeders	Laterals			
(A) Total current system miles	4,460	9,875			
(B) Number of Outages	57	1,395			
(C) Customer Interruptions	63,572	40,442			
(D) Customer Minutes of Interruption	2,997,582	5,722,603			
(E) Outages per Mile [B ÷ A]	0.01	0.14			
(F) Vegetation CI per Mile [C ÷ A]	14.3	4.1			
Cycle Maintenance Trimming	Feeders (F)			Laterals (L)	Totals F + L
	Cycle	Mid-cycle	Totals	Cycle	
(G) Number of years in the cycle	3			6	
(H) 1st year of this cycle	2016			2013	
(I) Total miles at beginning of this cycle	4,547			9,811	
(J) Total miles cleared this cycle	4,569	8,417	12,986	9,750	22,736
Miles cleared 2018	1,454	2,911	4,365	1,679	6,044
Miles cleared 2017	1,530	2,694	4,224	1,520	5,743
Miles cleared 2016	1,585	2,812	4,397	1,641	6,038
Miles cleared 2015	1,447	2,666	4,113	1,505	5,618
Miles cleared 2014	1,527	3,144	4,671	1,593	6,264
Miles cleared 2013	1,674	3,000	4,674	1,812	6,486
(K) Percentage of this cycle completed	100.5%			99.4%	
(L) Planned Maintenance Goal (next year) 2019	1,564	3,004	4,568	1,678	6,246
(M) Number of Hotspot Trims	N/A			N/A	5,923
Cost					Totals
(N) All Vegetation Management Costs					\$23.2
(P) Vegetation Budget (current year) 2018					\$26.9
(Q) Vegetation Budget (next year) 2019					\$22.9

4) REGIONS - Management Area (MA) Vegetation Management Performance Metrics

2018 West					
Reliability	Feeders	Laterals			
(A) Total current system miles	2,820	6,865			
(B) Number of Outages	38	1,045			
(C) Customer Interruptions	58,376	44,066			
(D) Customer Minutes of Interruption	2,897,283	6,691,947			
(E) Outages per Mile [B ÷ A]	0.01	0.15			
(F) Vegetation CI per Mile [C ÷ A]	20.7	6.4			
Cycle Maintenance Trimming	Feeders (F)			Laterals (L)	Totals F + L
	Cycle	Mid-cycle	Totals	Cycle	
(G) Number of years in the cycle	3			6	
(H) 1st year of this cycle	2016			2013	
(I) Total miles at beginning of this cycle	2,850			6,824	
(J) Total miles cleared this cycle	2,923	5,136	8,059	6,619	14,678
Miles cleared 2018	929	1,652	2,581	1,187	3,768
Miles cleared 2017	1,053	1,598	2,651	908	3,559
Miles cleared 2016	941	1886	2,827	1056	3,883
Miles cleared 2015	903	1994	2897	1194	4,091
Miles cleared 2014	956	1978	2934	1047	3,981
Miles cleared 2013	997	1,887	2,883	1,226	4,109
(K) Percentage of this cycle completed	102.6%			97.0%	
(L) Planned Maintenance Goal (next year) 2019	912	1,922	2,834	1,079	3,914
(M) Number of Hotspot Trims	N/A			N/A	3,875
Cost					Totals
(N) All Vegetation Management Costs					\$15.7
(P) Vegetation Budget (current year) 2018					\$14.8
(Q) Vegetation Budget (next year) 2019					\$12.9

15. Support for continuation of the Company Program, rather than a Three-Year Cycle program, should be included in this section of the report. Include all tables and additional analysis supporting continuation of the Company Program in this section of the report

No new information is available that would change the initial analysis/results provided by FPL in Docket No. 060198-EI.

16. Local Community Participation

FPL routinely communicates with local communities about the various issues surrounding line clearing. The issues that are most often discussed are the method of trimming, clearances, notification and danger tree removal. FPL's practice is to pre-notify customers of scheduled maintenance activities whose neighborhoods will be affected by line clearing activities. These communications include an overview of the scheduled maintenance activities, a safety message and customer contact number for more information. FPL's RTRP program is also an example of its outreach to communities. The program provides information to customers to educate them on our trimming program and practices, safety issues and the importance of placing trees in the proper location.

a) ROW tree clearing

FPL's line clearing practice is to pre-notify customers of scheduled maintenance activities. FPL clears lines (within easements, authorized ROW and in limited cases outside of easements) to our clearance specifications to protect our facilities.

b) Easement tree clearing

See response to 16 a., ROW tree clearing.

c) Hard-to-access facilities

See response to 16 a., ROW tree clearing.

d) Danger trees not within ROW or easements where the utility has unobstructed authority to remove the danger tree

Danger trees outside an easement or ROW that are targeted for removal will typically involve customer contact and a TWA form, signed by the customer, authorizing the removal. If a removal is not possible, FPL will clear the vegetation to the extent possible while complying with applicable line clearing standards and practices.

e) Trim-back distances

FPL will clear, to the extent possible, any vegetation that may encroach or is in conflict with our facilities to provide for adequate clearances while complying with applicable line clearing standards (NESC) and practices (ANSI).

17. Danger Trees

Danger tree failure can be associated with factors, such as trees that are leaning, structurally damaged and/or dead, as well as certain tree species. While FPL removed approximately 11,000 trees in 2018, some of which were most likely danger trees, FPL does not specifically track the identification/removal of danger trees.

STORM PREPAREDNESS INITIATIVE No. 2

Initiative 2 – Joint Use Pole Attachment Audits

FPL Overview

FPL administers annual audits of joint use facilities (poles owned and attached to by FPL or telephone companies) and attachments to its poles (CATV and telecommunication attachments). Approximately 20% of FPL's service territory is audited annually through its joint use surveys in order to determine the number and ownership of jointly-used poles and associated attachments.

Additionally, joint use poles are inspected as part of FPL's Pole Inspection Program. This is described more fully in FPL's pole inspection reporting requirements response.

Describe the extent of the audit and results pertaining to pole reliability and NESC safety matters. The intent is to assure the Commission that utilities know the status of their facilities and that reasonable efforts are taken to address pole reliability and NESC safety matters.

In addition to FPL's Pole Inspection Program, NESC safety audits are conducted by the FPSC. Apparent NESC variances are identified and recorded by FPSC auditors. FPL investigates the apparent NESC variances and makes corrections where necessary. Additionally, as part of FPL's daily work activities (e.g., construction, maintenance, reliability initiatives, etc.), NESC safety issues may be identified and corrected. While the FPSC variances are tracked, FPL does not specifically track corrective activities completed as part of its daily activities.

a) Percent of system audited.

Feeders: Approximately 20% annually.

Laterals: Approximately 20% annually.

FPL does not specifically maintain/track its joint use audits at this level of detail. See FPL's overview above.

b) Date audit conducted?

Ongoing – See FPL's overview above.

c) Date of previous audit?

Ongoing – See FPL's overview above.

d) List of audits conducted annually. Joint use poles, attachments, strength/loading tests – see FPL's overview above and FPL's pole inspection reporting requirement response.

Suggested Alternatives: None.

<u>JOINT USE AUDITS</u>	
(A) Number of company owned distribution poles. (FPL owned poles at 12/31/18)	1,189,657
(B) Number of company distribution poles leased. (Non-FPL owned poles)	214,543
(C) Number of owned distribution pole attachments. (FPL owned poles w/attachments)	869,409
(D) Number of leased distribution pole attachments. (Non-FPL owned poles w/attachments) (1)	214,543
(E) Number of authorized attachments.	1,362,195
(F) Number of unauthorized attachments.	0
<u>POLE INSPECTIONS – JOINT USE POLES</u>	
(G) Number of distribution poles strength tested.	92,868
(H) Number of distribution poles passing strength test. (2)	Grade B – 90,670
(I) Number of distribution poles failing strength test (overloaded). (2)	Grade B – 35 (0.04%)
(J) Number of distribution poles failing strength-test (other reasons). (2)	Grade B&C 2,163
(K) Number of distribution poles corrected (strength failure).	N/A – see Note 3
(L) Number of distribution poles corrected (other reasons).	N/A – see Note 3
(M) Number of distribution poles replaced.	N/A – see Note 3
<u>FPSC SAFETY AUDITS</u>	
(N) Number of apparent NESC violations involving electric infrastructure.	317
(O) Number of apparent NESC violations involving third-party facilities.	170
Suggested Alternatives:	None

Notes: (1) Non-FPL owned poles with FPL and another attaching entity (e.g., CATV) = 165,827

(2) NESC required standard = Grade C; FPL Higher Standard = Grade B

(3) K, L, M not tracked at the joint use level

State whether pole rents are jurisdictional or non-jurisdictional. If pole rents are jurisdictional, then provide an estimate of lost revenue and describe the company's efforts to minimize the lost revenue.

"Pole rent" revenues are jurisdictional. There are no lost revenues since back-billings for joint use pole ownership true-ups, as well as unauthorized attachments, are made back to the date of the previous audit/true-up.

STORM PREPAREDNESS INITIATIVE No. 3

Initiative 3 – Six-Year Transmission Structure Inspection Cycle

1. Description of Inspection Program

Please refer to FPL's response to Item 7 – Description of Pole Inspection Program, in the Transmission section of the Pole Inspection Report for a description of FPL's transmission structure inspection program. Included in FPL's response are inspection procedures for wood, concrete and steel transmission structures.

2. 2018 Accomplishments / 2019 Plans

Please refer to FPL's response to Item 7 – Description of Pole Inspection Program, in the Transmission section of the Pole Inspection Report as well as the three tables on the following two pages.

6-year Transmission Inspections – Results/Plans

Transmission Circuit, Substation & Other Equipment Inspections

	2018		2018		2019	
	Plan	Actual	Budget \$	Actual \$	Plan	Budget \$
(A) Total transmission circuits	1,229	1,278	N/A	N/A	1,278	N/A
(B) Transmission circuit inspections	1,086	1,086	\$1.5M ⁽¹⁾	\$1.5M ⁽¹⁾	1,037	\$1.4M
(C) Percent transmission circuits inspected	88%	85%	N/A	100%	81%	N/A
(D) Total transmission substations ⁽²⁾	N/A	622	N/A	N/A	645	N/A
(E) Transmission substations inspected ⁽²⁾	622	623	\$0.4M	\$0.8M	645	\$0.4M
(F) Percent transmission substations inspected ⁽²⁾	100%	100%	N/A	N/A	100%	N/A
(G) Transmission equip. inspections (other equip) ⁽³⁾	(3)	(3)	(3)	(3)	(3)	(3)
(H) Percent trans. equip inspection comp (other equip) ⁽³⁾	(3)	(3)	(3)	(3)	(3)	(3)

(1) FPL does not budget or track expenditures based on structure materials. As such, the dollar amounts shown in the table above represent all transmission structure inspections regardless of materials.

(2) Values shown for D, E and F include both transmission and distribution substations. FPL does not budget or track these items separately.

(3) Items G and H are included within FPL transmission line and/or substation inspections.

Non-Wood Transmission Structure Inspections

	2018		2018		2019	
	Plan	Actual	Budget \$	Actual \$	Plan	Budget \$
(A) Total non-wood transmission tower structures	60,694	60,694	n/a	n/a	62,945	n/a
(B) Transmission tower structure inspections	60,694	60,694	\$1.5M*	\$1.5M*	62,945	\$1.4M*
(C) Percent of transmission tower structures inspected**	100%	100%	-	100%	100%	-

* FPL does not budget or track expenditures based on structure materials. The dollar amounts shown in the table above represent all transmission structure inspections regardless of materials.

** 100% visually inspected; bucket truck/climbing inspections conducted on cycles.

Wood Transmission Structure Inspections ⁽¹⁾

	2018		2018		2019	
	Plan	Actual	Budget \$	Actual \$	Plan	Budget \$
(A) Total number of wood transmission poles.	5,991	5,991	-	-	4,874	-
(B) Number of transmission poles strength tested.	2,116	2,103	\$1.5M ⁽²⁾	\$1.5M ⁽²⁾	433	\$1.4M ⁽²⁾
(C) Number of transmission poles passing strength test.	-	1,758	-	-	-	-
(D) Number of transmission poles failing strength test (overloaded).	-	0	-	-	-	-
(E) Number of transmission poles failing strength tests (other reasons).	-	345	-	-	-	-
(F) Number of transmission poles corrected (strength failure)	0	0	n/a	n/a	0	n/a
(G) Number of transmission poles corrected (other reasons)	648	1,117 ⁽³⁾	\$32.3M ⁽⁴⁾	\$35.3M ⁽⁴⁾	345	\$31.3M ⁽⁴⁾
(H) Total transmission poles replaced.	648	1,117 ⁽³⁾	\$32.3M ⁽⁴⁾	\$35.3M ⁽⁴⁾	345	\$31.3M ⁽⁴⁾

⁽¹⁾ In addition to the 2018 results for its six-year cyclical inspection, FPL performed annual ground level visual inspections on 100% of its wood poles/structures.

⁽²⁾ FPL does not budget or track expenditures based on structure materials. As such, these dollar amounts represent all transmission structure inspections regardless of materials.

⁽³⁾ The replacement quantities provided in (H) represent the total number of transmission structures replaced through all initiatives/activities including condition assessments, relocations, proactive rebuilds, and system expansion.

⁽⁴⁾ Dollar amounts are only for FPL's condition assessment follow-up program.

STORM PREPAREDNESS INITIATIVE No. 4

Initiative 4 – Hardening of Existing Transmission Structures

1. Description of Transmission Hardening Programs

Wood Structure Replacement Program

In 2006, FPL began its Transmission hardening initiative by targeting replacement of single pole un-guyed wood structures. In 2008, FPL enhanced its hardening initiative to include replacement of all wood transmission structures over the next 25 to 30 years. FPL's approved 2013-2015 hardening plan accelerated the replacement of wood transmission pole/structures to within the next 10 to 15 years. Replacements are performed as part of maintenance, hardening, relocations and system expansion programs.

Ceramic Post (“CPOC”) Transmission Line Insulators

In 2006, FPL implemented a comprehensive plan for replacing existing ceramic post insulators with polymer post insulators on concrete poles. In 2014, FPL completed this initiative.

Storm Surge/Flood

FPL's approved 2013-2015 hardening plan included several storm surge/flood initiatives to better protect certain transmission facilities and expedite restoration of service to customers. This included water intrusion mitigation, the installation of real-time water level monitoring systems and communication equipment in 223 substations and the purchase of additional mobile fleet equipment. In 2014, FPL completed this initiative.

2. Method of Selection

All wood transmission structures are being replaced as a result of the 2004 and 2005 storm seasons lessons learned. All wood transmission structures are expected to be replaced by 2022.

3. Prioritizing Wood Structures Replacement

Being a network transmission system, FPL's first priority must be the overall system reliability and stability for the State of Florida. Prioritization factors also include proximity to high wind areas, system importance, customer counts, and coordination with other business unit storm initiatives. Other economic efficiencies, such as opportunities to perform work on multiple transmission line sections within the same corridor, are also considered. The transmission plan also incorporates the distribution hardening plans for communities into its prioritization.

4. 2018 Accomplishments

Wood Structure Replacement Program

In 2018, FPL replaced a total of 1,117 wood transmission structures. These structures were replaced with FPL's current design standards of round spun concrete poles. Total 2018 wood transmission structure replacement costs were approximately \$27 million. At year-end 2018, 93% of FPL's total transmission structure population is steel or concrete.

5. 2019 Plans

FPL's proposed hardening plans for 2019 – 2021 are also being filed with the FPSC on March 1, 2019, in Docket No. 20180144-EI. Please see that filing for additional details regarding FPL's proposed 2019 hardening plans.

STORM PREPAREDNESS INITIATIVE No. 5

Initiative 5 – Distribution Geographic Information System (GIS)

Efforts Undertaken at FPL to Meet the Commission Initiative - FPL has completed the following originally approved key initiatives which support the Commission's objective:

1. Distribution GIS Improvements – Post-Hurricane Forensic Analysis

FPL developed a mobile electronic inspection tool that creates routes within the hurricane-force wind area. Field employees travel the routes collecting observed damage and documenting the cause of the damage. This field data is uploaded to a database for further analysis by our staff engineers. This tool replaced the sampling methodology used in 2005.

2. Distribution GIS Improvements – Poles

FPL has added inspection records and pole attributes in coordination with its Pole Inspection Program ("PIP"). Updates to the GIS pole data are on-going with inputs from PIP, hardening and daily work activities.

3. Distribution GIS Improvements – Joint Use Data

By year-end 2008, all Joint Use data was added to the GIS. Updates are on-going as audits are completed and data is received from FPL's Joint Use vendor.

4. Distribution GIS Improvements – Level of Hardening

Level-of-hardening attributes have been added to the GIS system including the load calculation and hardening level. The system continues to be updated as hardening projects and activities are completed

5. Distribution GIS Improvements – Streetlights

FPL completed the initial loading of all streetlight data into the FPL Distribution GIS in 2011. As on-going audits and changes in the streetlight inventory from daily work activities are loaded into FPL's GIS, an interface to its Customer Information System ensures continued accuracy.

STORM PREPAREDNESS INITIATIVE No. 6

Initiative 6 – Post Storm Forensic Data Collection/Analysis

1. Has Forensics Team been established?

Yes.

2. Have forensic measurements been established? If yes, please describe/provide.

Forensic measurements have been established and are entered into portable field computers at forensic locations.

At each forensic location:

- Pictures are taken to show the specific damage and the surrounding area.
- GPS Coordinate information is recorded
- A data collection form is completed, detailing information such as:
 - o Pole specific information
 - o Wire specific information
 - o Framing and loading information
 - o Tree conditions
 - o Foreign attachments
 - o Surrounding area characteristics
 - o Debris conditions
 - o Soil conditions
 - o Wind speed rating

3. Has a forensics database format been established?

Yes. The information captured from the portable field computers via FPL's mobile mapping and field automation software is uploaded into a PostgreSQL database.

4. Describe/provide GIS and forensic data tracking integration

Storm track information is imported via a shape file to FPL's mobile mapping and field automation software for identification of storm affected equipment. From the storm affected feeders and FPL's Trouble Call Management System, forensics team routing is selected.

FPL's mobile mapping and field automation software visually identifies the facilities to be patrolled and provides the tools needed to perform forensic work, such as audit trail of route traveled and data collection forms.

5. Describe/provide forensics and restoration process integration

(Established and documented processes to capture forensic data during a restoration process)

General Process – Overhead Distribution

- Obtain information on the storm path and responding wind bands.
- Assigned area teams cover specific areas in the path of the storm.
- Provide route/track to each forensic team.
- Utilize the “Tracking” or audit trail function in FPL’s mobile mapping and field automation software to document areas patrolled.
- Perform an investigation at each damage location encountered that meets patrol criteria. Damage locations are to include poles, wires or any other equipment that is damaged or that has caused a customer outage.
- Utilize portable field computers to complete a data collection form for each observation.

Hardened Forensic Process – Overhead Hardened Distribution Feeders

- Obtain information on the storm path and corresponding wind bands.
- Assigned forensic teams will cover a statistically significant sample of hardened overhead distribution feeders that experience an interruption within the storm impacted area.
- Utilize the “Tracking” or audit trail function in FPL’s mobile mapping and field automation software to document areas patrolled.
- Perform a forensic investigation at each damage location encountered that meets patrol criteria. Damage locations are to include poles, wires or any other equipment that is damaged or that has caused a customer outage.
- Utilize portable field computers to complete a data collection form for each observation.

6. Describe/provide any forensic data sampling methodology

The General Process – Overhead Distribution will rely on FPL’s mobile mapping system, utilizing it to patrol damaged facilities. Observations will be made at all damage locations along the routes, including poles, wires, and distribution equipment.

The Hardened Forensic Process will rely on FPL’s mobile mapping system, utilizing it to cover a statistically significant sample of hardened overhead distribution feeders. Observations will be made at all damage locations within the selected feeders including poles, wires, and other distribution equipment.

7. Describe/provide forensic reporting format used to report forensic results to the Company and Commission

Please reference forensics report for Hurricane Matthew (Docket No. 20170215-EU Staff's Second Data Request No. 2, Attachment 2) and Irma (Docket No. 20170215-EU Staff's Second Data Request No. 2, Attachment 3) for forensic reporting format used to report forensics results to the Company and Commission.

8. Forensic activities and costs incurred in 2018

FPL has post-storm forensic data collection and analysis plans, systems and processes in place and available for use. During 2018, FPL provided post storm forensic results in FPL's Third Supplemental Amended Response to Staff Data Request No. 29 in FPSC Docket No. 20170215-EU (Florida's Electric Utility Hurricane Preparedness and Restoration Actions 2018) and which are incorporated herein by reference. In summary, forensics results indicate that hardened feeders performed better than non-hardened feeders and underground facilities performed significantly better than overhead facilities. Key information provided in that response included:

- While FPL experienced significantly more outages during Hurricane Irma (4.4 million customers) vs. Hurricane Wilma (3.2 million customers), restoration occurred significantly faster after Hurricane Irma:
 - o For Hurricane Irma, 50% of customers restored in 1 day; for Hurricane Wilma, 5 days;
 - o For Hurricane Irma, all customers restored in 10 days; for Hurricane Wilma, 18 days;
- Hardened feeder poles performed significantly better than non-hardened poles:
 - o For Hurricane Matthew, 0 hardened feeder poles failed, while 408 non-hardened feeder poles failed;
 - o For Hurricane Irma, hardened feeder poles had a 0.02% failure rate, while non-hardened poles had a 0.20% failure rate;
- Hardened feeders performed significantly better than non-hardened feeders
 - o For Hurricane Matthew, 14% of the non-hardened overhead feeders experienced an outage, while 9% of the hardened overhead feeders experienced an outage;
 - o For Hurricane Irma, 82% of the non-hardened overhead feeders experienced an outage, while 69% of the hardened overhead feeders experienced an outage;

- o In addition to less outages, for Hurricane Irma, the construction man hours to restore hardened feeders was 50% less than non-hardened feeders, primarily due to hardened feeders experiencing less damage than non-hardened feeder;
- Underground feeders and laterals performed significantly better than overhead feeders and laterals.
 - o For Hurricane Matthew, 2% of the underground feeders versus 13% of all feeders and 0.2% of the underground laterals versus 2% of all laterals experienced an outage.
 - o For Hurricane Irma, 18% of the underground feeders versus 70% of all feeders and 4% of the underground laterals versus 13% of all laterals experienced and outage.

Forensic costs are not tracked separately.

9. 2019 projected activities and costs

Forensic costs are not tracked separately but will be dependent on storm events and the subsequent deployment of the forensic teams.

STORM PREPAREDNESS INITIATIVE No. 7

Initiative 7 – Overhead and Underground Storm Performance Data

Items a–j (all tables) – Though both system and district level data for these metrics are for the most part available during storms on a non-differentiated basis, they are not available for overhead and underground separately. The primary reason is that FPL’s feeders are mostly overhead/underground hybrids. Therefore, FPL is not able to classify a large portion of the data required to calculate these metrics as either overhead or underground. Furthermore, performing the calculations on a subset of data that could be differentiated could yield misleading results. Though not of direct concern for these tables, item b cannot be provided even on a non-differentiated basis because codes are not available during storms.

Item k (all tables) – Prospectively, equipment performance by type may be available from forensics depending on the specific characteristics associated with any given storm. Data gathering is highly dependent on the storm having sufficient intensity to result in a restoration lasting a number of days. Otherwise, there will be insufficient time for the forensics teams to collect adequate data. Additionally, depending on the nature of the storm, certain types of equipment may not be impacted. For example, there may be little flooding or storm surge. Or, a given storm’s location may disproportionately impact areas with predominantly wood poles or front lot construction. In any case, results will only be statistically significant on a system-level basis and, therefore, cannot be provided at a district level.

FPL Alternative Plan – FPL can fulfill the spirit of the requested set of metrics with alternatives that demonstrate the performance differences between the overhead and underground facilities during storms. As previously stated, because FPL’s feeders are almost universally overhead/underground hybrids, differentiated performance would be difficult to determine. However, laterals are typically comprised of only a single type of construction so they will be used as a proxy for differentiated system performance. The relative performance results will be derived from two sources. First, forensic field data collection will be conducted during restoration using statistically valid samples drawn daily for both overhead and underground tickets. Second, post-restoration analysis of available ticket comments will be performed, particularly for underground damage since problems with buried equipment may not be field-observable.

FPL Alternative Plan Metrics:

- o **Relative proportion of infrastructure damaged:**
 - Percent of overhead circuits with damage relative to the total overhead circuits in the storm-impacted areas.
 - Percent of underground circuits with damage relative to the total underground circuits in the storm-impacted areas.

- o **Count of facility damage observed by type (item k on a system level basis).** This will include an evaluation of statistical validity based on samples achieved (due to storm characteristics discussed previously).
 - Overhead – total quantities stratified by pole type, location on lot, etc. (as available)
 - Underground – total quantities stratified by cable construction method, etc. (as available)

- o **Primary root cause of damage by type.** In those instances, that can be determined through field observation or post-restoration ticket comments review.

- o **Estimated repair time.** Due to the complexity of underground construction and possible undetected damage, field estimates of repair time are impractical. Instead a system wide estimate of UG damage will be interpolated by multiplying the observed damage counts by equipment type by the typical estimated construction man-hours required to repair.

- o **UG Performance.** Underground feeders and laterals performed significantly better than overhead feeders and laterals:
 - For Hurricane Matthew, 2% of the underground feeders versus 13% of all feeders and 0.2% of the underground laterals versus 2% of all laterals experienced an outage.
 - For Hurricane Irma, 18% of the underground feeders versus 70% of all feeders and 4% of the underground laterals versus 13% of all laterals experienced and outage.

STORM PREPAREDNESS INITIATIVE No. 8

Initiative 8 - Increased Coordination with Local Governments

FPL Overview

FPL's ("EA") organization consists of manager-level employees who are dedicated to meeting the information and communication needs of local governments and communities every day. These individuals interface with members of local governments and community leaders to identify and resolve issues of common concern to the company and the communities it serves. EA is engaged with local governments on critical infrastructure functions, line clearing, storm readiness, joint use of public rights-of-way, fuel/rate adjustments, undergrounding and other day-to-day issues.

FPL's Account Managers assigned to governmental accounts provide customer service to government accounts and are available to assist with many of the issues that affect local governments, including storm readiness, restoration and recovery. They are also especially helpful to local governments on account issues such as billing, fuel costs, construction and service reliability.

FPL's Customer Service ("CS") organization conducts meetings with county emergency operations managers to discuss critical infrastructure functions locations in each jurisdiction and to allow local EOCs to designate CIFs specific to the respective communities, within certain limits. Agreed-upon locations are factored into FPL's storm restoration and capacity shortage plans. FPL invites local, state and federal emergency response personnel to participate in its annual storm dry-run. This exercise provides FPL the opportunity to share its plans to improve service reliability and storm communications, and solicit input on how FPL and government agencies can better collaborate in emergency situations.

FPL maintains an External Response Team that consists of trained representatives who assist EA in meeting the needs of local governments in times of emergency. This team of more than 70 employees, staffs county EOCs and interfaces with local officials throughout the FPL service territory. By staffing EOCs, FPL is physically present to provide company updates to county and city officials, as well as obtain information from the EOC to help FPL's restoration efforts.

Describe extra tree trimming and underground conversion projects implemented. Describe any special considerations or options local governments attempted to secure and the utility's response.

FPL meets with all counties and municipalities requesting information on line clearing and underground conversions. This includes working with local governments to establish language in applicable ordinances that encourages citizens to plant the right tree in the right place to avoid interference with overhead facilities, and attending requested meetings and workshops with cities interested in overhead to underground conversions. Discussions have also included special

considerations such as using public rights-of-way and the use of underground switch cabinets. Additionally, FPL meets with local governments to explain its efforts to enhance service reliability and provide information on hardening projects within their jurisdiction.

In addition, FPL meets with local governments that express interest in converting overhead facilities to underground service. Discussions include FPL's GAF tariff, which provides an incentive for applicable overhead to underground conversion projects. FPL also continued to promote overhead-to-underground conversions in 2018. Five municipalities signed agreements under FPL's GAF tariff and moved forward with their projects. There were also 12 municipal requests for non-binding/order of magnitude estimates for potential overhead-to-underground conversions during 2018.

Does FPL conduct storm response tests or a dry run in order to test and evaluate its storm preparation and response plans?

Yes. In addition to its annual corporate-wide storm dry-run and individual business unit-driven dry-run exercises, FPL takes every opportunity to test its storm preparation and restoration plans to be ready for a potential event. Additionally, depending on the forecasted track of an actual storm, this may include the activation of FPL's storm command center and the mobilization and positioning of employees and equipment for rapid restoration. These activities provide opportunities to evaluate plans, systems and communications in order to be even better prepared for the next event. FPL representatives also take part in city and/or county sponsored drills and exercises upon request and invite key government stakeholders and emergency managers to our annual corporate-wide storm dry run event.

What quantifiable indices (metrics), if any, are the companies using to assess the effectiveness with which they began implementing initiative #8?

ONGOING PROGRAMS

a) Number of city/county liaisons initiated.

EA and Government Account ("GA") Managers routinely interface with city and county government officials to discuss storm-readiness and other issues of concern. The quantity of these interfaces and the unique situational dynamics of each issue make it administratively burdensome and non-productive to capture on an ongoing basis. FPL does keep track of official meetings and the number of EOCs that are contacted, as well as the number that are staffed with company representatives.

b) Number of periodic communications initiated with cities/counties.

EA provides quarterly e-mail communications to city and county governments. FPL also established an online Government Portal website that allows government officials to obtain the latest media releases and information on customer outages, estimated restoration times, FPL crew resources, outage maps and other information. GA Managers also communicate with cities and counties through monthly newsletters that address topics from energy conservation to storm preparation.

c) Number of restoration training and assistance programs conducted. EA, CS and other FPL representatives meet with local governments to discuss critical infrastructure function locations and provide training on subjects such as how to address/report on downed power lines.

d) Number of city/county problem resolution plans.

EA and GA Managers interface with city and county governments routinely to discuss storm readiness and other issues of concern. The quantity of these interfaces and the unique situational dynamics of each storm make it administratively burdensome and nonproductive to capture on an ongoing basis.

STORM PREPARATION

a) Number of communication links and contingency plans established.

FPL is prepared to support all 35 counties including eight satellite EOCs, should these locations be impacted by an emergency situation. FPL is able to report on the number of direct links with EOCs activated during emergency conditions. FPL representatives are also available to meet one-on-one with emergency managers, and city and county government officials as needed.

b) Number of operational contingency plans developed for emergency services.

FPL meets with personnel from all county EOC locations to obtain input on critical infrastructure function locations within their jurisdiction and other facilities designated by the respective EOCs as CIFs. This critical infrastructure information is then factored into FPL's restoration and capacity shortfall plans. In addition, assigned FPL EOC representatives work with the counties to assist with emergency priorities and EA Managers have open communications with counties and cities to address necessary contingencies. Tracking the number of contingency plans is administratively burdensome and non-productive and does not provide meaningful information.

c) Number of public communications plans developed prior to, during and after the storm.

FPL develops communication plans for the media and all news/media releases are shared with local governments. Number of communication plans is not meaningful, but counting the number of releases to local governments can be accomplished.

d) Number of city/county mitigation guidelines prepared and distributed.

See response to b, above.

STORM RESTORATION

a) Number of emergency communication links maintained. FPL is prepared to support all 35 counties including eight satellite EOCs if impacted by an emergency situation. Also, an online Government Portal Website allows government officials to obtain the latest news releases and information, including customer outages, estimated restoration times, and FPL crew resource information.

b) Number of priority emergency services restored. FPL can report on critical infrastructure locations restored on a daily basis and provides this information through its Government Portal website.

c) For each tropical storm, hurricane and other emergency event impacting the utilities service area, what community coordination actions does the utility pursue not otherwise in a) and b), above. In addition to outgoing communications and information provided by FPL EOC representatives, FPL EA Managers are made available to interface with public officials to address their concerns.

ONGOING INITIATIVES

Communications Programs

FPL's EA managers made presentations to educate communities served by FPL on topics of interest including service reliability, energy conservation, storm readiness, RTRP and power generation. These presentations help address the informational needs of local community-based organizations. EA managers provided over 930 community presentations in 2018

Government/Community Communications

FPL's email network to local elected officials continues to be utilized to share breaking news and important updates to local state and federal public officials in a timely and consistent manner.

Government Outreach

EA and GA Managers contact government officials prior to storm season through written correspondence and meetings.

Government Portal Website

FPL's EA organization implements a dedicated Government Portal website which is customized with the types of information that government leaders rely on to help with their recovery efforts. The site contains company-wide and county-specific information that includes:

- New alerts and releases
- Customer outage information and outage maps
- CIF information
- ETR information
- FPL staging site locations and available personnel resources

STORM PREPAREDNESS INITIATIVE No. 9

Initiative 9 – Collaborative Research on Hurricane Winds & Storm Surge

Report on Collaborative Research for Hurricane Hardening

Provided by

The Public Utility Research Center
University of Florida

To the

Utility Sponsor Steering Committee

Final Report dated February 2019

I. Introduction

The Florida Public Service Commission (FPSC) issued Order No. PSC-06-00351-PAA-EI on April 25, 2006 (Order 06-0351) directing each investor-owned electric utility (IOU) to establish a plan that increases collaborative research to further the development of storm resilient electric utility infrastructure and technologies that reduce storm restoration costs and outages to customers. This order directed IOUs to solicit participation from municipal electric utilities and rural electric cooperatives in addition to available educational and research organizations. As a means of accomplishing this task, the IOUs joined with the municipal electric utilities and rural electric cooperatives in the state (collectively referred to as the Research Collaboration Partners) to form a Steering Committee of representatives from each utility and entered into a Memorandum of Understanding (MOU) with the University of Florida's Public Utility Research Center (PURC). In 2018 the Research Collaboration MOU was renewed for an initial term of two years, effective January 1, 2019, and will be automatically extended for successive two-year terms.

PURC performs the administration function for research collaboration, including financial management, logistics, production and distribution of documents, and preparation of reports. PURC also coordinates and performs research as agreed upon with the Steering Committee by facilitating the exchange of information from the Research Collaboration Partners with individuals conducting research projects and facilitating the progress of each research project. The collaborative research has focused on undergrounding, vegetation management, hurricane-wind speeds at granular levels, and improved materials for distribution facilities.

This report provides an update on the activities of the Steering Committee since the previous report dated February 2018.

II. Undergrounding

The collaborative research on undergrounding has been focused on understanding the existing research on the economics and effects of hardening strategies, including undergrounding, so that informed decisions can be made about undergrounding policies and specific undergrounding projects.

The collaborative has refined the computer model developed by Quanta Technologies and there has been a collective effort to learn more about the function and functionality of the computer code. PURC and the Project Sponsors have worked to fill information gaps for model inputs and significant efforts have been invested in the area of forensics data collection.

In addition, PURC has worked with doctoral and master's candidates in the University of Florida Department of Civil and Coastal Engineering to assess some of the inter-relationships between wind speed and other environmental factors on utility equipment damage. PURC has also been contacted by engineering researchers at the University of Wisconsin and North Carolina State University with an interest in the model, though no additional relationships have been established. In addition to universities, PURC was contacted by the Government of Puerto Rico in light of PURC Director Mark Jamison's appointment to the Southern States Energy Board Blue Ribbon Task Force on the future of Puerto Rico's energy system. The government and task force are concerned with strategies to make Puerto Rico's system more resilient and are interested in the role that the model could play. In addition, PURC has been contacted by California stakeholders interested in applying the principles of the model to the prevention of wildfires. Every researcher that contacts PURC cites the model as the only non-proprietary model of its kind.

III. Wind Data Collection

The Project Sponsors entered into a wind monitoring agreement with WeatherFlow, Inc., in 2007. Under the agreement, Florida Sponsors agreed to provide WeatherFlow with access to their properties and to allow WeatherFlow to install, maintain and operate portions of their wind monitoring network facilities on utility-owned properties under certain conditions in exchange for access to wind monitoring data generated by WeatherFlow's wind monitoring network in Florida. WeatherFlow's Florida wind monitoring network includes 50 permanent wind monitoring stations around the coast of Florida, including one or more stations located on utility-owned property. The wind monitoring agreement expired in early 2012; however, it was renewed in April 2017 and will renew automatically annually on the effective date for an additional one year period, unless terminated by the parties to the agreement.

IV. Public Outreach

In last year's report we discussed the impact of increasingly severe storms on greater interest

in storm preparedness. PURC researchers continue to discuss the collaborative effort in Florida with the engineering departments of the state regulators in Connecticut, New York, and New Jersey, Pennsylvania, and regulators in Jamaica, Grenada, Curacao, Samoa, and the Philippines. In 2018, stakeholders in Puerto Rico and California also showed interest in the collaborative's efforts. While all of the regulators and policymakers showed great interest in the genesis of the collaborative effort, and the results of that effort, they have not, at this point, shown further interest in participating in the research effort. In 2018, there was considerable interest in Florida's hardening efforts from the popular media in California, in light of the wildfires plaguing the state.

VI. Conclusion

In response to the FPSC's Order 06-0351, IOUs, municipal electric utilities, and rural electric cooperatives joined together and retained PURC to coordinate research on electric infrastructure hardening. The steering committee has taken steps to extend the research collaboration MOU so that the industry will be in a position to focus its research efforts on undergrounding research, granular wind research and vegetation management when significant storm activity affects the state.

STORM PREPAREDNESS INITIATIVE No. 10

Initiative 10 – Natural Disaster Preparedness and Recovery Plans

FPL's Storm Emergency Plan identifies emergency conditions and the responsibilities and duties of the FPL emergency response organization for natural disasters, such as severe weather and fires. The plan covers the emergency organization, roles and responsibilities and FPL's overall severe storm emergency processes. These processes describe the planning activities, restoration practices, public communications, coordination with government, training, practice exercises and lessons learned evaluation systems. The plan is reviewed and revised annually, as necessary. A brief summary of the FPL plan, "FPL Emergency Plan – Severe Storms Brief", is included in the Appendix of this filing.

2019 STORM SEASON READINESS

2019 Storm Season Readiness

FPL's comprehensive storm plan focuses on readiness, restoration and recovery in order to respond safely and as quickly as possible in the event the electrical infrastructure is damaged by a storm. FPL is well-prepared for the 2019 storm season and continues to train and hone its storm preparedness and response capabilities.

In addition to the initiatives to strengthen its system and improve storm preparedness discussed previously, FPL will complete the following additional storm preparedness activities prior to the start of the 2019 storm season:

- Extensive storm restoration training based on employees' storm roles including eight Incident Management Team Workshops throughout our service area;
- A full scale staging site exercise in advance of the peak of storm season to assess readiness of processes;
- Annual company-wide hurricane dry run in early May;
- Management workshops throughout the storm season to keep focus on key storm restoration policies/processes;
- Plans for and review of mutual assistance agreements to ensure they are adequate and ready;
- Continue to focus on improving outage communications and estimated restoration times to customers;
- Clear vegetation from all feeder circuits serving critical infrastructure functions (e.g. CIF hospitals, 911 centers, police and fire stations, etc.) prior to the peak of hurricane season;
- Continue development and utilization of new technology to be utilized by storm damage assessors to improve damage assessment collection/analysis capabilities, including the use of drones to perform equipment assessments in difficult to access facilities; and
- Participate in industry conferences to share best practices from the previous storm seasons across utility companies.

RELIABILITY

Summary – Reliability

Total FPL System (Distribution and Transmission) – Overall reliability is best gauged by SAIDI, the most relevant and best overall reliability indicator because it encompasses two other standard industry performance metrics for reliability: SAIFI System Average Interruption Frequency Index (“SAIFI”) and Customer Average Interruption Duration Index (“CAIDI”). In 2018, FPL continued to provide excellent overall reliability for its customers, achieving a best-ever total FPL T&D system adjusted SAIDI of 54.8 minutes (2017 – 56.4 minutes). Additionally, FPL achieved a best-ever FPL T&D system adjusted Momentary Average Interruption Frequency Index events (“MAIFle”) of 4.6 momentary events (2017 – 4.9 momentary events).

Distribution – FPL’s 2018 overall adjusted distribution reliability results were: SAIDI, a best-ever 53.2 minutes (2017 – 54.3); SAIFI, a best-ever (tied with 2013) 0.89 interruptions per customer (2017 – 0.90 interruptions); CAIDI, 60.0 minutes (2017 – 60.0 minutes) and a best-ever adjusted MAIFle, 4.0 momentary events (2017 – 4.3 momentary events).

Transmission – In 2018, FPL’s Transmission/Substation adjusted reliability results were: SAIDI, a best-ever 1.6 minutes (2017 – 2.1 minutes); SAIFI, a best-ever 0.13 interruptions per customer (2017 – 0.16 interruptions); and MAIFle, 0.6 momentary events (2017 – 0.6 momentary events).

Distribution Reliability

GENERAL

1. Discuss overall performance absent adjustments (Form 102).

FPL’s overall unadjusted distribution reliability in 2018, as measured by SAIDI, was 62.3 minutes. This unadjusted performance includes approximately 9.1 minutes associated with tornados, named storms/hurricanes, and planned interruptions.

2. Describe the level of detailed reliability data the Company tracks.

FPL tracks the following reliability data associated with each individual interruption: customers affected, minutes interrupted, cause of outage, percentage of customers partially restored, device affected by interruption and location of the device. All of the interruption data is compiled to calculate reliability indices which are tracked throughout the year. The reliability indices that FPL tracks include the following: SAIDI, SAIFI, CAIDI, MAIFI, MAIFle, Lbar, CEMI-3, CEMI-5, CEMI-8, CEMM-35, CEMM-50 and Customer Momentary Experience (“CME”).

3. Describe Company efforts to increase critical review of detailed reliability data.

Daily reports are generated and distributed providing detailed information, such as the previous day's interruptions by device, month-to-date and year-to-date reliability indices. FPL's management utilizes the information in conducting a daily in-depth review of key reliability data to identify lessons learned and areas for improvement. This review also includes an assessment of upcoming weather and potential impacts, operational risks and a final review of the daily operations plan. FPL's management team also conducts monthly reliability reviews of the programs, objectives and actual performance vs. the plan. On an annual basis, FPL reviews its reliability performance and outage causes to direct its reliability programs for continued performance. With the aid of advanced statistical applications, such as Minitab and Six Sigma analysis, FPL performs statistical analyses to identify reliability trends and root causes and measure program benefits.

4. Describe the process used by your company to identify and select the level of detailed reliability data.

FPL's reliability data detail has been developed over the years based on industry practices, internal needs, as well as external requirements (e.g., requirements of regulators).

5. Discuss adjustments: Generation Events – None; Transmission Events - See Appendix; Distribution Events - See response to Distribution Reliability Item Nos. 11 & 13; Extreme Weather - See response to Distribution Reliability Item Nos. 7 & 10

6. Discuss adjusted performance.

Distribution - See summary at the beginning of this reliability section as well as the response to Item No. 1 above.

EXTREME WEATHER

7. Include in the discussion, the type of weather event, strength (wind speeds/surge-flood levels), locations affected and source of meteorological information.

Extreme Weather Events	Strength (wind speeds/surge-flood levels)	Landfall Location	Management Regions Affected
Ice on Lines	Not Available	North Florida Jan 3-4	Affected: North Florida Supported: West Dade, Central Dade, South Dade, North Dade, South Broward, North Broward, Central Broward, West Palm Beach, Boca Raton Central Florida, Brevard, Treasure Coast, Manasota, Naples and Toledo Blade
Tornado	Not Available	Central Broward, South Broward, Boca Raton and West Palm Beach Apr 10	Affected: Central Broward, South Broward, Boca Raton and West Palm Beach Supported: Brevard, Treasure Coast, North Broward, West Dade, Central Dade, South Dade and North Dade
Tornado	Not Available	North Broward Apr 27	Affected: North Broward Supported: Boca Raton
Tornado	Not Available	West Palm Beach, Treasure Coast and Brevard May 14	Affected: West Palm Beach, Treasure Coast and Brevard Supported: Central Dade, South Dade North Dade, North Broward, Central Broward, South Broward and Boca Raton
Subtropical Storm Alberto	Not Available	While storm did not make landfall in FPL's service territory, FPL management areas were impacted May 25 - 28	Affected: North Florida, West Dade, Central Dade, South Dade, North Dade, South Broward, North Broward, Central Broward, West Palm Beach, Boca Raton Central Florida, Brevard, Treasure Coast, Manasota, Naples and Toledo Blade
Tornado	Not Available	West Palm Beach Jul 5	Affected: West Palm Beach Supported: Boca Raton and Treasure Coast
Tornado	Not Available	Central Florida Jul 25	Affected: Central Florida
Tropical Storm Gordon	Not Available	While storm did not make landfall in FPL's service territory, FPL management areas were impacted Sep 3	Affected: North Florida, West Dade, Central Dade, South Dade, North Dade, South Broward, North Broward, Central Broward, West Palm Beach, Boca Raton Central Florida, Brevard, Treasure Coast, Manasota, Naples and Toledo Blade
Hurricane Michael	Not Available	While storm did not make landfall in FPL's service territory, FPL management areas were impacted Oct 9 - 11	Affected: North Florida, West Dade, Central Dade, South Dade, North Dade, South Broward, North Broward, Central Broward, West Palm Beach, Boca Raton Central Florida, Brevard, Treasure Coast, Manasota, Naples and Toledo Blade
Tornado	Not Available	Toledo Blade Dec 20	Affected: Toledo Blade Supported: Manasota and Naples

Data Source: <http://www.spc.noaa.gov/climo/reports>
<http://www.nhc.noaa.gov>

8. Describe the Company's efforts to avoid or minimize, in terms of costs incurred and outage duration, any similar events in the future.

As a part of FPL's continuous improvement philosophy, FPL gathers, after each extreme weather event, relevant information to critique its processes and performance. Also, FPL continues to further develop new technology to strengthen its emergency response, for example:

- Improving customer outage information available to field restoration crews by developing mobile applications which combine outage tickets, weather information, electrical network information, customer energy consumption and voltage, restoration crew location, meter status and more – all layered on a map view and available to view on a computer tablet. This makes it easier to diagnose problems accurately to assist with outage analysis and improve interactions with our customers;
- Expanding the use of smart meter information by creating multiple applications including restoration confirmation application, which allows restoration crews to confirm the power status of all smart meters affected by an outage before leaving the area. This has helped FPL identify embedded outages, resolve the problem on the first visit, and reduce repeat calls from customers; and
- Installing submersible equipment to mitigate the impact of significant water intrusion in 12 vaults in the Miami downtown electric network that are located just at or within the FEMA 100-year flood elevation levels.

See also the pole inspections, hardening and storm season readiness sections in this report.

9. If the method of deriving the weather exclusion is different from the method used for 2017, please explain the changes and provide the CMI and CI for 2018 using the prior method.

No changes were made to FPL's exclusion methodology.

10. Provide the 2018 service reliability data for each extreme weather outage event that is excluded from your Company's 2018 Annual Distribution Reliability Report pursuant to Rule 25-6.0455.

The following data is provided in the Appendix:

- A) Causation
- B) Date
- C) CI
- D) CMI
- E) L-Bar

OTHER DISTRIBUTION ADJUSTMENTS

11. Discuss the causation of each type of distribution event that resulted in customer outages.

Causation	# of Outages	CI	CMI	LBAR
Planned Interruptions	24,445	290,152	23,291,759	110

12. Describe the Company's efforts to avoid or minimize any similar events in the future in terms of the level of costs incurred and outage duration.

FPL continually evaluates the need for planned crew and customer-requested outages by determining if there are alternative work methods that could minimize or prevent such an outage. If an outage is not preventable, FPL works with customers to schedule necessary outages during times which are more convenient for them (e.g., nights and weekends).

13. Provide the 2018 service reliability data for each distribution outage event that is excluded from your Company's 2018 Annual Distribution Reliability Report pursuant to Rule 25-6.0455.

The following data is provided in the Appendix:

- A) Causation
- B) Date
- C) CMI
- D) CI
- E) L-Bar

2018 ADJUSTED RELIABILITY CAUSES OF OUTAGE EVENTS

14. Five-year patterns/trends in outage causation for each of the top causes of outage events, including the frequency, duration, restoration time, cost incurred to restore service, remediation programs and remediation program costs.

Rank	PSC Cause Group	System Avg. Interruption (SAIDI)					Frequency (SAIFI)					Duration (CAIDI)				
		2014	2015	2016	2017	2018	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
1	Defective Equipment	25.9	24.2	23.6	23.8	23.5	0.41	0.40	0.38	0.39	0.36	63.7	60.5	61.5	61.7	64.7
2	Vegetation	12.9	12.8	10.5	9.9	8.2	0.12	0.13	0.09	0.10	0.08	105.6	102.4	113.2	99.4	105.9
3	Other Weather	7.3	6.5	5.6	4.5	5.2	0.10	0.09	0.09	0.06	0.07	76.0	68.7	61.3	70.2	71.7
4	All Other Causes	2.4	2.0	2.6	3.2	3.4	0.08	0.08	0.09	0.10	0.12	31.6	24.4	29.8	30.4	28.6
5	Unknown	4.1	3.1	3.0	3.4	3.1	0.10	0.09	0.09	0.10	0.10	40.8	33.4	33.8	32.1	30.3
6	Vehicle	3.1	3.0	3.2	2.9	2.7	0.05	0.05	0.05	0.04	0.03	63.9	58.9	61.4	71.6	79.9
7	Other	2.2	2.1	2.1	2.5	2.5	0.05	0.05	0.04	0.04	0.05	49.2	40.0	48.0	64.5	51.4
8	Animals	2.9	3.1	2.5	2.6	2.3	0.05	0.06	0.04	0.04	0.04	56.5	49.2	55.8	59.8	56.7
9	Lightning	2.9	2.7	2.8	1.6	2.3	0.04	0.04	0.04	0.02	0.03	71.2	72.3	75.0	62.8	81.5
	System Total	63.8	59.4	55.8	54.3	53.2	0.99	1.00	0.92	0.90	0.89	64.5	59.6	60.7	60.0	60.0

See remediation programs/budget levels in FPL's response to Distribution Reliability Item No. 16. Costs incurred to restore service by cause are not specifically tracked.

15. The process used to identify and select the actions to improve the performance in each of the top causes of outages.

Annually, FPL evaluates its current reliability remediation programs and verifies the programs' need. In addition, FPL proposes new reliability remediation programs to improve its reliability performance concentrating on the highest cause codes and those cause codes that have shown trends needing attention.

16. 2019 activities and budget levels addressing each of the top causes of service outages.

In 2019, FPL has reliability programs aimed at reducing customer interruptions. These include:

Program*	Program Description	2019 Budget (\$M)	Impact on which Cause Codes
Vegetation Mgmt**	Integrated program designed to minimize tree and vine related interruptions.	\$65.8	Vegetation, Unknown
System Expansion	Provide the necessary feeder capacity to serve all customers during normal and emergency periods, and install the infrastructure necessary to support system contingency.	\$64.2	All
Auto TX Switch (ATS)	Reduce the number of permanent outages caused by temporary faults on overhead transformer equipment	\$53.4	Animal, Unknown, Vegetation, Weather
Cable Lateral	Reduce the number of direct buried lateral cable failures and reduce customer interruptions.	\$33.1	Equipment Failure
Handhole Inspections / Pad-mounted Transformers	Inspection/Remediation of non-compliant conditions. The purpose of this program is to maintain pad-mount transformer security.	\$21.7	Equipment Failure
Reliability-Capital Projects	Capital intensive projects to increase overall reliability	\$7.7	All
RA Switch Replacement	This program will proactively replace RA switches in order to enhance system operations and reliability.	\$7.4	Equipment Failure
Overhead Line Inspection & repairs	Conduct a visual and/or infrared inspection of the OH feeder infrastructure and thus reduce overhead interruptions.	\$5.2	Equipment Failure, Vegetation, Other Weather, Other, Unknown, Lightning
Submarine Cable	Reduce the number of Submarine feeder cable failures and reduce customer interruptions.	\$5.1	Equipment Failure
Vault Inspections and repairs (not including RA Switches)	Inspect vaults and Powell-Esco Switches. Program will mitigate vault interruptions and will help to identify any issues that need to be addressed before an interruption occurs.	\$4.9	Equipment Failure
Priority Feeders (including inspections)	Reduce the number of customers experiencing multiple amounts of interruptions and momentaries by identifying and correcting feeders experiencing the highest number of events and/or customers interrupted. The initiative may strengthen feeders up to and including extreme wind loading standards for additional overall reliability improvement.	\$4.9	All
Cable Feeder	Reduce the number of direct buried feeder cable failures and reduce customer interruptions.	\$3.3	Equipment Failure
OCR Replacement	Replace Oil Circuit Reclosers with Electronic Reclosers	\$3.0	Equipment Failures
Customer Impact	Projects targeted to improve reliability for specific customers or geographic areas	\$2.5	Equipment Failure
VAR Management (installations and maintenance)	Install, relocate, maintain, and control distribution capacitor banks. This program will help maintain or improve power factor performance, improve system efficiency, reliability, and quality of service voltage to our customers.	\$2.1	Remaining Causes
Momentary Outliers	Address worse performing busses and high momentary feeders	\$1.1	All

* Programs ≥ \$1 million

** Also referred to as Storm Preparedness Initiative 1.

THREE-PERCENT FEEDER LIST

17. Identify whether any feeders appearing on the three-percent list more than once within a consecutive five-year period and any actions implemented to improve feeder performance.

See FPL's three-percent list in the Appendix.

See FPL's responses to Distribution Reliability Question numbers 16 and 18 for actions that FPL has taken to address these feeders.

18. Process used to identify and select the actions to improve the performance of feeders on the three-percent feeder list, if any.

FPL evaluates feeder performance on a daily basis and has addressed feeders on this list through its "Priority Feeder" program and one or more of its other reliability programs.

The objective of FPL's Priority Feeder program is to reduce the number of customers experiencing multiple amounts of interruptions and momentaries by identifying and correcting feeders experiencing the highest number of events and/or customers interrupted. The initiative may strengthen feeders up to and including extreme wind loading standards for additional overall reliability improvement.

19. 2019 activities and budget levels directed at improving feeder performance.

See response to Distribution Reliability Item No. 16.

REGIONAL RELIABILITY INDICES

20. Five-Year patterns/trends in each region's reliability for each index and on any overall basis.

Annual SAIDI performance for the Distribution unit and its regions

Data	Region	2014	2015	2016	2017	2018
SAIDI	Boca Raton (BR)	63.1	53.6	51.0	45.1	49.5
	Brevard (BV)	69.0	52.7	52.8	56.1	43.7
	Central Broward (CB)	74.5	64.3	57.7	60.7	59.5
	Central Dade (CD)	54.2	46.6	41.3	41.8	41.7
	Central Florida (CF)	60.8	49.5	49.1	46.2	47.2
	Manasota (MS)	56.6	55.4	52.4	50.2	52.4
	Naples (NA)	57.5	56.8	55.5	63.9	55.1
	North Broward (NB)	52.0	56.9	48.1	37.6	38.9
	North Dade (ND)	76.9	71.1	59.1	69.1	69.5
	North Florida (NF)	76.8	67.6	64.0	64.5	73.0
	South Broward (SB)	57.8	52.0	42.7	42.3	50.9
	South Dade (SD)	72.9	76.2	68.1	63.2	58.7
	Toledo Blade (TB)	72.6	64.8	74.8	77.2	69.7
	Treasure Coast (TC)	74.5	72.4	80.7	65.6	47.2
	West Palm (WB)	49.5	55.2	50.8	45.8	46.1
	West Dade (WD)	72.4	67.8	56.2	53.8	67.2
	AI FPL	63.8	59.4	55.8	54.3	53.2

Annual SAIFI performance for the Distribution unit and its regions

Data	Region	2014	2015	2016	2017	2018
SAIFI	BR	1.21	1.08	1.08	0.89	1.00
	BV	1.14	0.96	0.87	1.04	0.87
	CB	1.25	1.14	0.86	1.11	0.90
	CD	0.80	0.78	0.66	0.79	0.77
	CF	0.95	0.90	0.80	0.85	0.84
	MS	0.83	1.00	0.91	0.77	0.73
	NA	0.88	0.91	0.97	0.92	0.89
	NB	0.86	1.03	0.80	0.65	0.66
	ND	0.83	0.87	0.72	0.96	0.94
	NF	1.06	1.08	1.00	1.04	1.25
	SB	0.96	0.88	0.83	0.79	0.90
	SD	0.90	1.08	0.99	0.79	0.83
	TB	1.16	0.98	1.14	1.12	1.01
	TC	1.07	1.05	1.19	1.11	0.81
	WB	0.85	1.01	0.88	0.96	0.97
	WD	1.20	1.24	0.99	0.85	1.03
	AI FPL	0.99	1.00	0.92	0.90	0.89

Annual CAIDI performance for the Distribution unit and its regions

Data	Region	2014	2015	2016	2017	2018
CAIDI	BR	52.0	49.7	47.1	50.4	49.4
	BV	60.7	54.8	60.4	53.9	50.2
	CB	59.5	56.6	67.0	54.6	66.1
	CD	67.8	59.6	63.1	53.2	54.5
	CF	64.1	55.3	61.0	54.4	56.1
	MS	68.1	55.2	57.4	65.0	71.9
	NA	65.6	62.2	57.0	69.2	61.8
	NB	60.6	55.4	60.5	58.0	59.2
	ND	92.1	81.9	82.2	71.8	74.2
	NF	72.5	62.8	64.0	62.2	58.2
	SB	60.5	58.9	51.3	53.8	56.3
	SD	80.6	70.8	68.9	80.0	70.7
	TB	62.6	65.8	65.8	69.0	68.8
	TC	69.4	69.2	67.5	59.0	58.7
	WB	57.9	54.8	58.0	47.5	47.7
	WD	60.3	54.7	56.6	63.4	65.2
	AI FPL	64.5	59.6	60.7	60.0	60.0

Annual MAIFle performance for the Distribution unit and its regions

Data	Region	2014	2015	2016	2017	2018
MAIFle	BR	8.3	7.1	5.4	4.5	4.2
	BV	9.7	7.9	5.2	4.0	3.6
	CB	12.1	9.9	7.4	6.1	4.3
	CD	7.6	7.3	4.9	3.5	3.0
	CF	8.9	6.5	5.1	3.4	3.8
	MS	6.7	5.9	5.2	3.8	3.7
	NA	7.3	7.4	7.1	6.2	4.9
	NB	7.1	6.3	4.6	3.2	3.5
	ND	9.0	8.2	5.6	3.5	3.2
	NF	10.3	8.7	5.8	4.2	3.2
	SB	9.1	6.9	5.3	4.1	4.6
	SD	8.0	7.1	5.8	4.3	3.9
	TB	9.6	8.1	7.7	4.5	5.2
	TC	11.1	8.1	6.4	4.0	3.6
	WB	8.8	7.8	5.6	4.5	4.8
	WD	7.9	7.5	6.2	4.2	4.3
	AI FPL	8.7	7.5	5.8	4.3	4.0

Annual Cust >5 performance for the Distribution unit and its regions

Data	Region	2014	2015	2016	2017	2018
# Cust >5	BR	0.9%	0.8%	1.4%	0.4%	0.9%
	BV	0.3%	0.3%	0.2%	0.9%	0.3%
	CB	0.8%	0.6%	0.5%	0.7%	0.2%
	CD	0.7%	0.3%	0.5%	0.8%	0.7%
	CF	0.5%	0.3%	0.1%	0.2%	0.8%
	MS	0.3%	0.9%	0.2%	0.3%	0.3%
	NA	0.7%	0.6%	0.4%	0.3%	0.3%
	NB	0.5%	1.0%	1.2%	0.1%	0.5%
	ND	0.9%	1.0%	0.3%	1.2%	0.7%
	NF	0.6%	0.7%	0.4%	0.7%	1.4%
	SB	0.7%	0.8%	0.1%	0.6%	0.2%
	SD	0.6%	0.9%	0.2%	0.7%	0.3%
	TB	1.3%	0.6%	1.6%	1.5%	1.9%
	TC	1.0%	1.0%	2.9%	1.7%	0.5%
	WB	1.4%	1.0%	0.5%	2.0%	0.6%
	WD	0.6%	1.5%	0.6%	0.7%	0.5%
	All FPL	0.7%	0.8%	0.7%	0.8%	0.6%

21. The process used to identify and select actions to improve the regional reliability trends.

See FPL's response to Distribution Reliability Item No. 3.

22. Discuss any 2019 projected activities and budget levels directed at improving regional reliability performance.

See FPL's response to Distribution Reliability Item No. 16. Each program listed addresses equipment and devices at the management area level.

OVERHEAD – UNDERGROUND RELIABILITY

23. Describe the five year patterns/trends in reliability performance of underground systems vs. overhead systems.

The majority of FPL's customers are fed from circuits that are a hybrid of both overhead and underground systems. The methodology used to classify a customer as OH is defined as those customers served by a feeder with combined feeder and lateral overhead miles greater than or equal to 95% of the total primary miles. Then, to classify a customer as UG, customers must be served by a feeder with combined feeder and lateral underground miles greater than or equal to 95% of the total primary miles. The balance of customers is classified as Hybrid. According to this methodology, FPL has 139 OH feeders, 534 UG feeders, with the remaining 2,660 feeders classified as hybrid. This methodology was applied for FPL's responses to Distribution Reliability Question Nos. 23 and 26.

Five years' reliability performance of underground, hybrid and overhead systems

Data	Year	Hybrid	OH	UG	ALL
SAIDI	2014	64.6	108.1	19.4	63.8
	2015	60.0	102.4	21.4	59.4
	2016	57.6	80.4	17.2	55.8
	2017	55.5	89.6	17.7	54.3
	2018	54.2	89.0	21.2	53.2
SAIFI	2014	1.01	1.35	0.40	0.99
	2015	1.03	1.23	0.33	0.99
	2016	0.97	1.01	0.27	0.92
	2017	0.94	1.31	0.26	0.90
	2018	0.92	1.18	0.36	0.89
CAIDI	2014	63.8	80.1	48.7	64.5
	2015	58.1	83.2	64.5	59.7
	2016	59.6	79.9	63.6	60.7
	2017	59.2	68.2	68.3	60.0
	2018	59.2	75.6	59.0	60.0
L BAR	2014	166	161	205	166
	2015	162	153	210	162
	2016	175	163	220	175
	2017	194	177	220	193
	2018	200	182	260	199

Historically, FPL's UG system's SAIDI performance has been better than its OH system, primarily driven by a better SAIFI. Also, the CAIDI associated with UG has generally performed better than OH due to FPL's looped UG system, which generally provides more opportunities for sectionalizing.

24. Describe Company efforts to separately track the reliability of overhead and underground systems.

FPL continually monitors each feeder interruption with a designation of either overhead, underground or hybrid system. FPL also utilizes the actual equipment type that fails in order to determine the necessary performance of its overhead and underground systems. For example, FPL has equipment codes that relate specifically to its overhead system (disconnect switches, insulators, jumpers, wire) and underground system (cable, switch cabinets, elbow and terminators).

After storm events, FPL performs the activities described in Initiative 7 of FPL's approved Storm Preparedness Initiatives.

25. Describe the process used by your company to identify and select the actions to promote underground distribution systems.

- **GAF Tariff** – FPL’s primary tool to promote overhead to underground conversions is its GAF tariff. The GAF’s goal is to lower storm restoration costs to all customers by providing an incentive for qualified government-sponsored conversions. Local governments are in the best position to guarantee the needed 100% customer service lateral conversion participation. Local governments are also best positioned to facilitate the construction through managing permitting, securing locations for the underground facilities, and negotiating with other utility providers. Additionally, in June of 2017 FPL proposed, and in January of 2018 the Commission ultimately approved FPL’s revisions to the calculation of an applicant’s contribution in aid of construction (CIAC) in the Company’s underground distribution conversion tariff. The new formula generally reduces the costs for a governmental entity to undertake an overhead to underground conversion of feeders and should facilitate the ability of more local governments to pursue this course of action.

In 2018, Five municipalities signed the GAF tariff agreement and moved forward with their projects.

Local Community Presentations – FPL conducts numerous presentations with local community groups who are interested in exploring overhead-to-underground conversions.

Local Ordinances – There are local ordinances in effect in multiple counties within FPL’s service territory that require the installation of new facilities underground. In addition, several municipalities require the customer to bury existing OH lines on or adjacent to their property when a major renovation is performed.

26. Provide Overhead and Underground Metrics

See FPL's response to Distribution Reliability Item No. 23 for classification criteria.
CEMI-5 is not available by OH and UG.

The miles below include only primary circuits (Feeders and Laterals).

2018 OH:

Number of miles = 5,361
Number of customers = 198,599
Number of Customer Minutes Interrupted (CMI) = 17,681,763
Number of Customers Interruptions (CI) = 233,873
L-Bar = $\frac{\text{Minutes of Interruption}}{\text{Total Number of Outages}} = \frac{1,560,477}{8,562} = 183$

2018 HYBRID:

Number of miles = 57,466
Number of customers = 4,416,606
Number of Customer Minutes Interrupted (CMI) = 239,453,615
Number of Customers Interruptions (CI) = 4,047,356
L-Bar = $\frac{\text{Minutes of Interruption}}{\text{Total Number of Outages}} = \frac{16,652,721}{83,363} = 200$

2018 UG:

Number of miles = 3,620
Number of customers = 363,096
Number of Customer Minutes Interrupted (CMI) = 7,707,127
Number of Customers Interruptions (CI) = 363,096
L-Bar = $\frac{\text{Minutes of Interruption}}{\text{Total Number of Outages}} = \frac{358,913}{1,381} = 260$

Data	Year	Hybrid	OH	UG	ALL
Number of Customers	2014	4,189,664	231,905	307,823	4,729,392
	2015	4,249,215	224,145	323,469	4,796,829
	2016	4,314,794	210,217	336,979	4,861,990
	2017	4,341,527	215,252	356,088	4,912,867
	2018	4,416,606	198,599	363,096	4,978,301
CMI	2014	270,659,183	25,078,225	5,965,892	301,703,300
	2015	254,851,692	22,942,824	6,923,452	284,717,968
	2016	248,398,325	16,900,540	5,780,105	271,078,970
	2017	240,963,708	19,282,826	6,315,376	266,561,910
	2018	239,453,615	17,681,763	7,707,127	264,842,505
CI	2014	4,240,801	313,224	122,525	4,676,550
	2015	4,388,329	275,796	107,295	4,771,420
	2016	4,166,770	211,393	90,919	4,469,082
	2017	4,071,005	282,621	92,463	4,446,089
	2018	4,047,356	233,873	130,673	4,411,902
MAIFle	2014	9.0	12.9	1.5	8.7
	2015	7.8	10.3	1.0	7.5
	2016	6.1	7.9	0.9	5.8
	2017	4.6	5.1	0.9	4.3
	2018	4.2	5.0	1.0	4.0

RELIABILITY RELATED CUSTOMER COMPLAINTS

27. Provide the five-year history for reliability-related* customer complaints.

2014 30**
2015 37**
2016 41
2017 40
2018 30

* As defined by the FPSC.

** From the FPSC's "Review of Florida's Investor-Owned Electric Utilities 2014 Service Reliability Reports".

28. Describe Company efforts to correlate reliability-related complaints with reliability indices for applicable feeder, lateral and sub region.

FPL addresses reliability complaints on a case-by-case basis. Lessons learned from issues and resolutions identified may be incorporated into our processes, if deemed appropriate. FPL also utilizes certain reliability programs, e.g., Customer Impact and Priority Feeders, to address customer complaints.

29. Describe the process used by your company to identify and select systemic actions to improve reliability due to customer complaints. If no such program exists explain why.

See response to Distribution Reliability Item No. 28

Transmission Reliability

1. Reliability Adjustments Events (Transmission).

See Appendix.

2. Localized Versus System Wide Events.

None.

3. Description of Reliability Programs.

The transmission and substation reliability initiative is a two-fold program. The first part consists of on-going assessments and inspections of the transmission and substation system conditions and the associated mitigation work as required. The second part consists of the following targeted reliability areas:

Animals – Program to prevent and mitigate the effects of animal related events to the transmission and substation system. Animals include (but are not limited to) roosting and prey birds, squirrels, monk parrots, and raccoons.

Equipment – Proactive replacement of both transmission and substation equipment reaching end of life. Items include, but are not limited to, insulators, OHGW, distribution breakers, transmission breakers, switches, and substation regulators.

Lightning – Items include bonding, grounding, and arrester installations.

Foreign Interference – Outreach and awareness safety program to minimize the impact of foreign interference (e.g., cranes, balloons, diggers, sailboats, etc.) into electrical lines

Vegetation Management – FPL performs condition assessments of every transmission right-of-way with a qualified arborist. Performed every six (6) months, these assessments include detailed descriptions based on actual vegetation conditions. As a result of these assessments, the schedules are established to complete the identified work; at that point the work is prioritized and executed.

4. Five-Year Reliability Performance

Transmission/Substation
12 Months ending December 31

	2014	2015	2016	2017	2018
SAIDI	2.9	2.0	2.2	2.1	1.6
SAIFI	0.21	0.14	0.20	0.16	0.13
MAIFle	0.6	0.6	0.6	0.6	0.6

5. Description of Company's Tracking

FPL's Transmission/Substation group investigates all transmission and substation outages in order to identify root cause(s)/develop solutions. Reliability performance is tracked using SAIDI, SAIFI and MAIFI.

6. Method of Program Selections

For program selection, FPL's Transmission/Substation group utilizes historical reliability performance, trends, condition assessments and risk ranking.



ANNUAL DISTRIBUTION RELIABILITY REPORT 2018

SAIDI	= System Average Interruption Duration Index		
	= $\frac{\text{Sum of All Customer Minutes Interrupted (CMI)}}{\text{Total number of Customers Served (C)}}$	$\frac{264,842,505}{4,978,301}$	53.20
CAIDI	= Customer Average Interruption Duration Index		
	= $\frac{\text{Sum of All Customer Minutes Interrupted (CMI)}}{\text{Total number of Customer Interruptions (CI)}}$	$\frac{264,842,505}{4,411,902}$	60.0
SAIFI	= System Average Interruption Frequency Index		
	= $\frac{\text{Total number of Customer Interruptions (CI)}}{\text{Total number of Customers Served (C)}}$	$\frac{4,411,902}{4,978,301}$	0.89
MAIFle	= Momentary Average Interruption Event		
	= $\frac{\text{Sum of All Customer Momentary Interruption Events (CME)}}{\text{Total number of Customers Served (C)}}$	$\frac{20,025,033}{4,978,301}$	4.0
L BAR	= $\frac{\text{Minutes of Interruption (AO)}}{\text{Total Number of Outages (\# of Outages)}}$	$\frac{18,572,081}{93,306}$	199
%CEMI-5	= $\frac{\text{Sum of CEMI-5 Customers (\# Cust>5)}}{\text{Total number of Customers Served (C)}}$	$\frac{29,826}{4,978,301}$	0.6%

Service Reliability Indices Data								
Utility Name: FPL								Year: 2018
District or Service Area	Customer Served (C)	# of Outages	CMI	CI	AO	CME	# Cust >5	MAIFle Customer Served
Boca Raton	380,552	5,602	18,842,845	381,590	1,011,865	1,644,204	3,426	394,701
Brevard	312,017	6,778	13,642,505	271,897	1,151,316	1,101,500	841	309,980
Central Broward	278,910	5,430	16,604,334	251,206	1,187,947	1,266,117	480	294,866
Central Dade	314,448	4,347	13,123,910	241,020	947,407	932,817	2,310	312,204
Central Florida	293,507	5,844	13,866,290	247,125	883,344	1,108,945	2,456	295,660
Manasota	401,766	7,318	21,049,161	292,887	1,363,237	1,535,529	1,063	415,397
Naples	406,500	5,196	22,388,349	362,067	1,121,832	1,921,168	1,417	392,022
North Broward	321,508	4,096	12,499,233	211,134	899,474	1,105,858	1,731	312,716
North Dade	248,900	6,106	17,297,384	233,020	1,463,872	786,186	1,732	244,177
North Florida	166,703	4,831	12,176,116	209,201	720,701	530,636	2,407	166,721
South Broward	342,226	5,109	17,415,399	309,308	1,152,282	1,519,008	568	330,446
South Dade	299,375	6,464	17,566,447	248,392	1,653,916	1,136,954	883	294,872
Toledo Blade	275,688	7,100	19,228,286	279,569	1,321,703	1,427,971	5,352	276,401
Treasure Coast	299,495	6,841	14,149,638	241,204	1,195,440	1,061,545	1,525	298,513
West Dade	266,629	4,844	17,930,550	274,953	1,247,983	1,212,914	1,305	266,961
West Palm	370,077	7,400	17,062,058	357,329	1,249,762	1,733,681	2,330	349,716
All FPL	4,978,301	93,306	264,842,505	4,411,902	18,572,081	20,025,033	29,826	4,977,099

* For MAIFle only, FPL utilizes a slightly different customer served count for the Management Areas. Specifically, customer counts are determined by counting the customers on all feeders out of the substations located in each Management Area, regardless of where that feeder runs geographically (i.e., a customer served could be located in another Management Area). This count is different than the customer served count used for SAIDI and SAIFI, which uses the actual count of customers with meters located in each Management Area.

PSC/ECR 102-1(a)
Incorporated by reference in Rule 25-6.0455

Causes of Outage Events – Actual			
Utility Name: FPL		Year: 2018	
Cause (a)	Number of Outage Events (N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
Defective Equipment	35,989	237	64.8
Request	24,943	110	79.9
Vegetation	17,442	202	106.3
Unknown	10,912	145	30.9
Other Weather	8,173	196	72.0
Animals	9,348	104	56.8
Other	10,522	197	53.5
All Other Causes	3,556	171	28.9
Lightning	1,978	280	82.0
Vehicle	974	274	80.2
System Total	123,837	181	62.1

PSC/ECR 102-1(b)
Incorporated by reference in Rule 25-6.0455

Causes of Outage Events – Adjusted			
Utility Name: FPL		Year: 2018	
Cause (a)	Number of Outage Events (N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
Defective Equipment	34,200	238	64.7
Vegetation	15,949	199	105.9
Unknown	10,482	145	30.3
Other Weather	7,335	194	71.7
Animals	9,131	104	56.7
Other	9,959	198	51.4
All Other Causes	3,394	172	28.6
Lightning	1,902	282	81.5
Vehicle	954	275	79.9
System Total	93,306	199	60.0

THREE PERCENT FEEDER LIST - ACTUAL												
FPL	Year 2018							Number of Outage Events (N)	Average Duration (L-Bar) (j)	Average Restoration Time (CAIDI) (k)	Listed Last Year? (l)	No. of Years in the Last 5 (m)
Primary Circuit Id. No. or Name (a)	Substation Origin (b)	Location (c)	Number of Customers				Total (h)					
			Residential (d)	Commercial (e)	Industrial (f)	Other (g)						
505664	ROTONDA	Charlotte	3328	278	15	9	3621	13	214	58.6	Y	2
706264	VALENCIA	Broward	1302	410	5	25	1717	10	32	15.6	N	2
807164	PENNSUCO	Miami-Dade	1340	351	3	2	1694	9	201	37.0	Y	2
407666	LOXAHATCHEE	Palm Beach	947	302	3	38	1252	8	29	16.8	Y	2
804139	GARDEN	Miami-Dade	990	181	1	18	1172	8	79	53.6	Y	2
407661	LOXAHATCHEE	Palm Beach	322	158	6	4	486	8	109	34.8	Y	4
802133	MIRAMAR	Miami-Dade	40	64	0	2	104	8	133	35.3	N	1
507962	MCCALL	Charlotte	3474	288	66	30	3828	7	29	7.1	Y	3
108362	GATOR	St Johns	2568	264	28	38	2860	7	88	43.5	N	2
406166	TURNPIKE	St Lucie	2226	115	0	27	2341	7	91	39.3	Y	2
809763	SWEETWATER	Miami-Dade	1839	229	0	16	2068	7	87	36.5	Y	3
301133	COLUMBIA	Columbia	908	153	0	40	1061	7	99	38.4	N	1
403632	SOUTH BAY	Palm Beach	782	144	4	7	930	7	78	23.3	N	1
707661	CROSSBOW	Broward	689	49	2	11	740	7	69	21.8	Y	3
402763	PORT MAYACA	Martin	295	217	3	11	515	7	153	58.7	N	1
408463	ADAMS	St Lucie	166	253	2	9	421	7	140	68.0	N	1
409764	CATCHMENT	Palm Beach	4422	275	2	3	4699	6	40	24.4	Y	2
101932	EDGEWATER	Volusia	2401	79	4	19	2484	6	90	24.8	N	1
701935	HOLY CROSS	Broward	1458	416	2	18	1876	6	43	35.8	N	1
501765	IONA	Lee	3730	278	3	11	4011	6	83	15.7	Y	2
102033	BULOW	Volusia	2288	74	4	1	2366	6	63	32.0	N	1
502166	BONITA SPRINGS	Lee	1991	683	13	30	2687	6	97	35.2	Y	2
802136	MIRAMAR	Miami-Dade	1243	222	1	4	1466	6	101	13.5	N	1
706266	VALENCIA	Broward	1573	197	1	18	1771	6	132	42.4	N	2
502463	LABELLE	Hendry	1142	214	4	32	1360	6	152	56.1	Y	2
101464	FLAGLER BEACH	Flagler	2909	288	9	47	3206	6	90	53.4	N	1
402032	CLEWISTON	Hendry	1210	149	11	38	1370	6	63	47.5	N	2
801233	OPA LOCKA	Miami-Dade	1341	757	5	22	2103	6	105	28.7	N	1
401935	LINTON	Palm Beach	1352	159	6	7	1517	6	164	45.2	N	1
308063	MILLS	Nassau	2078	264	7	72	2349	6	27	25.6	Y	3
802937	GRAPELAND	Miami-Dade	1531	305	2	9	1838	6	75	21.9	N	1
207364	WYOMING	Brevard	1664	101	1	18	1766	6	3	2.9	N	2
706462	HOLMBERG	Broward	727	107	5	5	839	6	141	42.6	N	1
807161	PENNSUCO	Miami-Dade	84	597	1	8	682	6	110	35.7	Y	4
808435	SNAKE CREEK	Miami-Dade	1072	58	0	0	1130	6	38	23.5	N	1
810061	AVOCADO	Miami-Dade	1016	349	4	64	1369	6	4	3.4	N	3
412261	OTTER	St Lucie	415	73	4	8	492	6	234	58.4	N	1
504262	DORR FIELD	De Soto	37	151	2	0	190	6	485	190.9	Y	3
500662	CORTEZ	Manatee	4357	200	8	10	4565	5	57	30.5	N	3
402835	LANTANA	Palm Beach	2631	164	9	4	2804	5	92	38.4	N	2
102365	ST JOE	Flagler	2686	314	12	10	3012	5	43	24.0	N	1
706062	HIATUS	Broward	3749	115	7	6	3871	5	85	17.8	Y	2
405765	SEBASTIAN	Indian River	3306	196	0	10	3502	5	32	11.7	N	1
205432	MERRITT	Brevard	2070	281	2	22	2353	5	18	9.2	N	1
101463	FLAGLER BEACH	Flagler	2143	190	36	14	2369	5	56	26.6	N	1
405467	CLINTMOORE	Palm Beach	1622	102	14	1	1738	5	44	18.5	N	1
807731	LEMON CITY	Miami-Dade	1268	59	4	14	1331	5	7	6.9	Y	2
401632	OKEECHOBEE	Okeechobee	1455	451	9	46	1915	5	148	20.4	N	2
504967	GOLDEN GATE	Collier	1404	173	21	76	1598	5	3	2.7	N	1
810264	INTERNATIONAL	Miami-Dade	1991	200	3	14	2194	5	93	30.2	Y	4
504831	SORRENTO	Sarasota	2115	256	4	29	2375	5	61	27.0	N	1
805635	MILLER	Miami-Dade	1232	207	3	14	1442	5	27	21.1	N	1
806733	IVES	Miami-Dade	1664	191	1	4	1856	5	50	37.7	N	1
704264	IMAGINATION	Broward	1680	121	14	27	1815	5	33	11.1	Y	4
812161	BEACON	Miami-Dade	204	541	3	2	748	5	186	46.6	N	1
804634	INDUSTRIAL	Miami-Dade	1145	162	1	7	1308	5	181	48.3	N	1
401135	STUART	Martin	987	264	1	8	1252	5	40	21.1	N	2
301139	COLUMBIA	Columbia	722	139	7	17	868	5	39	21.4	N	1
306134	NASH	Columbia	1011	145	3	25	1159	5	67	68.6	Y	2
413232	WHEELER	Palm Beach	566	95	3	10	664	5	134	19.9	N	1
812063	WILLIAMS	Miami-Dade	408	346	3	39	757	5	61	24.6	N	1
808533	SEMINOLA	Miami-Dade	926	183	3	7	1112	5	111	86.0	N	1
408669	HOMELAND	Palm Beach	273	260	5	5	538	5	11	6.6	N	1
300961	MACCLENNY	Baker	1117	253	2	50	1372	5	29	37.6	N	1
504261	DORR FIELD	De Soto	428	200	3	9	631	5	61	24.8	N	2
407663	LOXAHATCHEE	Palm Beach	1863	263	1	8	2127	4	54	24.7	N	1
704063	MOTOROLA	Broward	4749	128	5	4	4882	4	132	38.8	Y	3
105762	RIVERTON	St Johns	2651	307	43	12	3001	4	53	20.5	N	1
504363	PINE RIDGE	Collier	2772	733	22	16	3527	4	250	38.8	N	2
405639	FOUNTAIN	Palm Beach	2369	111	1	3	2481	4	70	44.7	N	1
202631	HOLLAND PARK	Brevard	2516	124	1	3	2641	4	25	19.9	N	1

THREE PERCENT FEEDER LIST - ACTUAL(Continued)												
FPL	Year 2018						Number of Outage Events (N) (i)	Average Duration (L-Bar) (j)	Average Restoration Time (CAIDI) (k)	Listed Last Year? (l)	No. of Years in the Last 5 (m)	
Primary Circuit Id. No. or Name (a)	Substation Origin (b)	Location (c)	Residential (d)	Commercial (e)	Industrial (f)	Other (g)						Total (h)
704763	STONEBRIDGE	Broward	2299	255	10	11	2564	4	78	7.2	Y	2
802933	GRAPELAND	Miami-Dade	2519	181	2	11	2702	4	100	24.6	N	1
801938	DEAUVILLE	Miami-Dade	2094	120	4	2	2218	4	8	8.0	N	1
809662	COURT	Miami-Dade	1465	1518	2	1	2985	4	195	58.5	N	2
811262	EUREKA	Miami-Dade	2694	29	0	0	2723	4	8	6.7	N	1
502164	BONITA SPRINGS	Lee	2736	416	12	6	3164	4	47	23.7	N	1
706261	VALENCIA	Broward	2190	201	4	4	2395	4	98	45.9	N	1
706863	CONSERVATION	Broward	2726	344	11	6	3081	4	131	39.3	N	2
101863	ORANGEDALE	St Johns	2403	259	38	32	2700	4	105	31.7	N	2
406062	SHERMAN	Okeechobee	3512	362	3	66	3877	4	86	39.7	N	2
707664	CROSSBOW	Broward	1674	244	1	2	1919	4	54	33.2	N	1
705761	TRACE	Broward	2497	185	2	5	2684	4	71	27.2	N	1
408332	MONTEREY	Martin	2199	229	0	4	2428	4	34	18.7	N	1
700633	VERENA	Broward	2505	361	6	11	2872	4	103	26.2	N	1
409763	CATCHMENT	Palm Beach	1627	512	0	3	2139	4	49	11.5	N	1
807165	PENNSUCO	Miami-Dade	2928	296	0	8	3224	4	253	28.8	N	1
701133	LYONS	Broward	1549	158	4	7	1711	4	4	4.1	N	1
409862	HAMLET	Palm Beach	3238	221	3	1	3462	4	88	45.3	N	1
407862	TARTAN	Palm Beach	2304	110	4	9	2418	4	59	19.4	N	1
503135	SOLANA	Collier	1444	74	7	2	1525	4	39	38.8	N	1
806034	GOLDEN GLADES	Miami-Dade	1591	143	1	32	1735	4	100	19.7	Y	2
207061	COX	Brevard	1578	92	5	29	1675	4	189	31.9	N	1
208761	GRANT	Brevard	1433	113	7	11	1553	4	117	89.0	N	1
307762	ONEIL	Nassau	2446	123	76	49	2645	4	134	101.2	N	1
502066	MURDOCK	Charlotte	2554	52	2	10	2608	4	23	18.1	N	1
400737	BOCA RATON	Palm Beach	2016	106	8	1	2130	4	48	18.6	N	4
801232	OPA LOCKA	Miami-Dade	1094	228	0	7	1322	4	20	11.0	Y	2
500664	CORTEZ	Manatee	2733	325	27	5	3085	4	238	86.8	N	1
701832	ROCK ISLAND	Broward	2478	149	5	5	2632	4	23	17.5	N	1

THREE PERCENT FEEDER LIST - ADJUSTED												
FPL	Year 2018							Number of Outage Events (N) (i)	Average Duration (L-Bar) (j)	Average Restoration Time (CAIDI) (k)	Listed Last Year? (l)	No. of Years in the Last 5 (m)
Primary Circuit Id. No. or Name (a)	Substation Origin (b)	Location (c)	Number of Customers									
			Residential (d)	Commercial (e)	Industrial (f)	Other (g)	Total (h)					
505664	ROTONDA	Charlotte	3328	278	15	9	3621	12	212	57.7	Y	2
706264	VALENCIA	Broward	1302	410	5	25	1717	9	15	11.3	N	2
407666	LOXAHATCHEE	Palm Beach	947	302	3	38	1252	8	29	16.8	Y	3
407661	LOXAHATCHEE	Palm Beach	322	158	6	4	486	8	109	34.8	Y	4
108362	GATOR	St Johns	2568	264	28	38	2860	7	88	43.5	N	2
809763	SWEETWATER	Miami-Dade	1839	229	0	16	2068	7	87	36.5	N	2
807164	PENNSUCO	Miami-Dade	1340	351	3	2	1694	7	240	34.6	Y	2
301133	COLUMBIA	Columbia	908	153	0	40	1061	7	99	38.4	N	1
403632	SOUTH BAY	Palm Beach	782	144	4	7	930	7	78	23.3	N	1
804139	GARDEN	Miami-Dade	990	181	1	18	1172	7	62	56.1	Y	2
402763	PORT MAYACA	Martin	295	217	3	11	515	7	153	58.7	N	1
408463	ADAMS	St Lucie	166	253	2	9	421	7	140	68.0	N	1
507962	MCCALL	Charlotte	3474	288	66	30	3828	6	21	6.7	Y	3
409764	CATCHMENT	Palm Beach	4422	275	2	3	4699	6	40	24.4	Y	2
101932	EDGEWATER	Volusia	2401	79	4	19	2484	6	90	24.8	N	1
701935	HOLY CROSS	Broward	1458	416	2	18	1876	6	43	35.8	N	1
501765	IONA	Lee	3730	278	3	11	4011	6	83	15.7	N	1
102033	BULOW	Volusia	2288	74	4	1	2366	6	63	32.0	N	1
502166	BONITA SPRINGS	Lee	1991	683	13	30	2687	6	97	35.2	N	1
802136	MIRAMAR	Miami-Dade	1243	222	1	4	1466	6	101	13.5	N	1
502463	LABELLE	Hendry	1142	214	4	32	1360	6	152	56.1	N	1
406166	TURNPIKE	St Lucie	2226	115	0	27	2341	6	76	23.3	Y	2
402032	CLEWISTON	Hendry	1210	149	11	38	1370	6	63	47.5	N	2
801233	OPA LOCKA	Miami-Dade	1341	757	5	22	2103	6	105	28.7	N	1
401935	LINTON	Palm Beach	1352	159	6	7	1517	6	164	45.2	N	1
802937	GRAPELAND	Miami-Dade	1531	305	2	9	1838	6	75	21.9	N	1
207364	WYOMING	Brevard	1664	101	1	18	1766	6	3	2.9	N	2
807161	PENNSUCO	Miami-Dade	84	597	1	8	682	6	110	35.7	Y	4
808435	SNAKE CREEK	Miami-Dade	1072	58	0	0	1130	6	38	23.5	N	1
810061	AVOCADO	Miami-Dade	1016	349	4	64	1369	6	4	3.4	N	3
707661	CROSSBOW	Broward	689	49	2	11	740	6	80	22.0	Y	3
412261	OTTER	St Lucie	415	73	4	8	492	6	234	58.4	N	1
504262	DORR FIELD	De Soto	37	151	2	0	190	6	485	190.9	Y	3
802133	MIRAMAR	Miami-Dade	40	64	0	2	104	6	151	31.4	N	1
500662	CORTEZ	Manatee	4357	200	8	10	4565	5	57	30.5	N	3
402835	LANTANA	Palm Beach	2631	164	9	4	2804	5	92	38.4	N	2
102365	ST JOE	Flagler	2686	314	12	10	3012	5	43	24.0	N	1
405765	SEBASTIAN	Indian River	3306	196	0	10	3502	5	32	11.7	N	1
205432	MERRITT	Brevard	2070	281	2	22	2353	5	18	9.2	N	1
101463	FLAGLER BEACH	Flagler	2143	190	36	14	2369	5	56	26.6	N	1
405467	CLINTMOORE	Palm Beach	1622	102	14	1	1738	5	44	18.5	N	1
807731	LEMON CITY	Miami-Dade	1268	59	4	14	1331	5	7	6.9	N	1
504967	GOLDEN GATE	Collier	1404	173	21	76	1598	5	3	2.7	N	1
810264	INTERNATIONAL	Miami-Dade	1991	200	3	14	2194	5	93	30.2	Y	4
504831	SORRENTO	Sarasota	2115	256	4	29	2375	5	61	27.0	N	1
805635	MILLER	Miami-Dade	1232	207	3	14	1442	5	27	21.1	N	1
706266	VALENCIA	Broward	1573	197	1	18	1771	5	109	45.6	N	2
806733	IVES	Miami-Dade	1664	191	1	4	1856	5	50	37.7	N	1
704264	IMAGINATION	Broward	1680	121	14	27	1815	5	33	11.1	Y	3
804634	INDUSTRIAL	Miami-Dade	1145	162	1	7	1308	5	181	48.3	N	1
101464	FLAGLER BEACH	Flagler	2909	288	9	47	3206	5	106	81.2	N	1
308063	MILLS	Nassau	2078	264	7	72	2349	5	27	26.7	Y	2
808533	SEMINOLA	Miami-Dade	926	183	3	7	1112	5	111	86.0	N	1
408669	HOMELAND	Palm Beach	273	260	5	5	538	5	11	6.6	N	1
504261	DORR FIELD	De Soto	428	200	3	9	631	5	61	24.8	N	2
407663	LOXAHATCHEE	Palm Beach	1863	263	1	8	2127	4	54	24.7	N	1
704063	MOTOROLA	Broward	4749	128	5	4	4882	4	132	38.8	Y	2
105762	RIVERTON	St Johns	2651	307	43	12	3001	4	53	20.5	N	1
504363	PINE RIDGE	Collier	2772	733	22	16	3527	4	250	38.8	N	2
405639	FOUNTAIN	Palm Beach	2369	111	1	3	2481	4	70	44.7	N	1
802933	GRAPELAND	Miami-Dade	2519	181	2	11	2702	4	100	24.6	N	1
801938	DEAUVILLE	Miami-Dade	2094	120	4	2	2218	4	8	8.0	N	1
809662	COURT	Miami-Dade	1465	1518	2	1	2985	4	195	58.5	N	2
811262	EUREKA	Miami-Dade	2694	29	0	0	2723	4	8	6.7	N	2
502164	BONITA SPRINGS	Lee	2736	416	12	6	3164	4	47	23.7	N	1
706062	HIATUS	Broward	3749	115	7	6	3871	4	33	12.6	Y	3
101863	ORANGEDALE	St Johns	2403	259	38	32	2700	4	105	31.7	N	2
707664	CROSSBOW	Broward	1674	244	1	2	1919	4	54	33.2	N	1
705761	TRACE	Broward	2497	185	2	5	2684	4	71	27.2	N	1
409763	CATCHMENT	Palm Beach	1627	512	0	3	2139	4	49	11.5	N	1
701133	LYONS	Broward	1549	158	4	7	1711	4	4	4.1	Y	2

THREE PERCENT FEEDER LIST - ADJUSTED (Continued)												
FPL Primary Circuit Id. No. or Name (a)	Year 2018							Number of Outage Events (N) (i)	Average Duration (L-Bar) (j)	Average Restoration Time (CAIDI) (k)	Listed Last Year? (l)	No. of Years in the Last 5 (m)
	Substation Origin (b)	Location (c)	Number of Customers									
			Residential (d)	Commercial (e)	Industrial (f)	Other (g)	Total (h)					
401632	OKEECHOBEE	Okeechobee	1455	451	9	46	1915	4	184	23.2	N	2
409862	HAMLET	Palm Beach	3238	221	3	1	3462	4	88	45.3	N	1
407862	TARTAN	Palm Beach	2304	110	4	9	2418	4	59	19.4	N	1
806034	GOLDEN GLADES	Miami-Dade	1591	143	1	32	1735	4	100	19.7	Y	2
307762	ONEIL	Nassau	2446	123	76	49	2645	4	134	101.2	N	1
400737	BOCA RATON	Palm Beach	2016	106	8	1	2130	4	48	18.6	N	4
801232	OPA LOCKA	Miami-Dade	1094	228	0	7	1322	4	20	11.0	Y	2
500664	CORTEZ	Manatee	2733	325	27	5	3085	4	238	86.8	N	1
404741	HILLSBORO	Palm Beach	776	41	0	0	817	4	49	28.2	N	1
803131	FLORIDA CITY	Miami-Dade	1147	133	0	6	1280	4	258	43.1	Y	2
403237	ATLANTIC	Palm Beach	774	118	10	2	902	4	28	29.9	N	1
505163	PROCTOR	Sarasota	1543	322	9	20	1874	4	43	22.9	N	1
806937	BIRD	Miami-Dade	967	187	1	15	1155	4	14	7.5	N	1
404434	PURDY LANE	Palm Beach	2300	75	0	12	2375	4	76	44.3	N	1
201931	COURTENAY	Brevard	1055	214	2	12	1271	4	4	3.1	N	1
402131	TERMINAL	Palm Beach	1619	159	8	5	1786	4	42	11.3	N	3
812161	BEACON	Miami-Dade	204	541	3	2	748	4	226	53.3	N	1
800248	MIAMI BEACH	Miami-Dade	813	47	25	2	885	4	159	57.7	N	1
412061	GIFFORD	Indian River	830	92	0	16	922	4	3	2.7	N	1
802833	ARCH CREEK	Miami-Dade	1895	260	2	11	2157	4	96	21.0	N	1
706168	HOLLYBROOK	Broward	1371	253	0	2	1624	4	9	8.7	N	1
406862	KIMBERLY	Palm Beach	1532	86	2	1	1620	4	38	26.3	N	1
403035	MILITARY TRAIL	Palm Beach	1611	188	1	17	1800	4	35	25.1	N	1
701532	DANIA	Broward	1550	333	4	4	1887	4	95	50.3	Y	2
402632	JUNO BEACH	Palm Beach	1234	288	0	3	1522	4	194	36.0	N	1
105832	ELKTON	St Johns	784	379	9	26	1172	4	5	4.1	N	1
706462	HOLMBERG	Broward	727	107	5	5	839	4	162	42.4	N	1
810062	AVOCADO	Miami-Dade	614	316	2	50	932	4	3	2.3	N	1
505963	CARLSTROM	De Soto	663	324	7	25	994	4	51	44.1	Y	4

PSC/ECR 102-3 (a)

System Reliability Indices - Actual					
Utility Name: FPL				Year: 2018	
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFLe (e)	CEMI5 (f)
Boca Raton	56.3	52.0	1.08	4.5	3,737
Brevard	52.3	52.0	1.01	3.7	1,085
Central Broward	73.8	69.4	1.06	4.6	533
Central Dade	50.7	59.3	0.86	3.1	2,456
Central Florida	55.1	56.3	0.98	3.9	2,946
Manasota	58.8	72.2	0.81	3.8	1,814
Naples	63.5	64.8	0.98	5.1	1,841
North Broward	45.9	61.5	0.75	3.8	1,903
North Dade	78.3	76.3	1.03	3.4	1,852
North Florida	95.1	65.5	1.45	3.4	2,537
South Broward	59.6	59.3	1.00	4.9	724
South Dade	68.2	72.9	0.94	4.1	1,083
Toledo Blade	78.4	66.6	1.18	5.4	5,453
Treasure Coast	54.7	57.8	0.95	3.8	1,629
West Dade	79.0	67.8	1.17	4.5	1,587
West Palm	54.6	49.5	1.10	5.1	2,754
All FPL	62.3	62.1	1.00	4.2	33,934

PSC/ECR 102-3 (b)

System Reliability Indices - Adjusted					
Utility Name: FPL				Year: 2018	
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFLe (e)	CEMI5 (f)
Boca Raton	49.5	49.4	1.00	4.2	3,426
Brevard	43.7	50.2	0.87	3.6	841
Central Broward	59.5	66.1	0.90	4.3	480
Central Dade	41.7	54.5	0.77	3.0	2,310
Central Florida	47.2	56.1	0.84	3.8	2,456
Manasota	52.4	71.9	0.73	3.7	1,063
Naples	55.1	61.8	0.89	4.9	1,417
North Broward	38.9	59.2	0.66	3.5	1,731
North Dade	69.5	74.2	0.94	3.2	1,732
North Florida	73.0	58.2	1.25	3.2	2,407
South Broward	50.9	56.3	0.90	4.6	568
South Dade	58.7	70.7	0.83	3.9	883
Toledo Blade	69.7	68.8	1.01	5.2	5,352
Treasure Coast	47.2	58.7	0.81	3.6	1,525
West Dade	67.2	65.2	1.03	4.3	1,305
West Palm	46.1	47.7	0.97	4.8	2,330
All FPL	53.2	60.0	0.89	4.0	29,826

Actual Data: Customer Minutes of Interruption (CMI), Customer Interruptions (CI) and Documented Exclusions

2018	Customer minutes of Interruption (CMI)		Customer Interruptions (CI)	
	Value	% of Actual	Value	% of Actual
Reported Actual Data (1)	310,040,900	100%	4,991,299	100%
Documented Exclusions				
Planned Service Interruptions	23,291,759	8%	290,152	6%
Tropical Storm	2,650,645	1%	35,210	1%
Tornado	6,328,802	2%	89,052	2%
Hurricane	2,499,161	1%	44,474	1%
Ice on Lines	7,802,699	3%	80758	2%
Subtropical Storm	2,625,329	1%	39751	1%
Generation/Transmission Events (2)	8,152,024	N/A	627,171	N/A
Extreme Weather (EOC Activation/Fire)	0	0%	0	0%
Reported Adjusted Data	264,842,505	85%	4,411,902	88%

Notes:

(1) Excludes Generation/Transmission Events per 25-6.0455(2)

(2) Informational Only, as reported actual data already excludes Generation/Transmission Events

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	69	10,136	154
Ice on Lines	1/3/2018	4	2,252	563
Ice on Lines	1/3/2018	13	2,782	214
Ice on Lines	1/3/2018	4	236	59
Ice on Lines	1/3/2018	1	112	112
Ice on Lines	1/3/2018	3	309	103
Ice on Lines	1/3/2018	10	1,750	175
Ice on Lines	1/3/2018	46	5,106	111
Ice on Lines	1/3/2018	10	2,510	251
Ice on Lines	1/3/2018	1	111	111
Ice on Lines	1/3/2018	22	1,914	87
Ice on Lines	1/3/2018	15	75	5
Ice on Lines	1/3/2018	1	41	41
Ice on Lines	1/3/2018	1	75	75
Ice on Lines	1/3/2018	72	11,736	163
Ice on Lines	1/3/2018	3	1,521	507
Ice on Lines	1/3/2018	4	1,028	257
Ice on Lines	1/3/2018	1	62	62
Ice on Lines	1/3/2018	3	1,080	360
Ice on Lines	1/3/2018	65	28,405	437
Ice on Lines	1/3/2018	15	735	49
Ice on Lines	1/3/2018	4	1,172	293
Ice on Lines	1/3/2018	8	2,840	355
Ice on Lines	1/3/2018	1	124	124
Ice on Lines	1/3/2018	1	361	361
Ice on Lines	1/3/2018	20	4,100	205
Ice on Lines	1/3/2018	15	2,745	183
Ice on Lines	1/3/2018	94	21,244	226
Ice on Lines	1/3/2018	57	4,446	78
Ice on Lines	1/3/2018	69	19,182	278
Ice on Lines	1/3/2018	13	897	69
Ice on Lines	1/3/2018	44	1,056	24
Ice on Lines	1/3/2018	9	1,890	210
Ice on Lines	1/3/2018	930	62,454	191
Ice on Lines	1/3/2018	146	13,755	131
Ice on Lines	1/3/2018	1	78	78
Ice on Lines	1/3/2018	250	3,250	13
Ice on Lines	1/3/2018	79	12,798	162
Ice on Lines	1/3/2018	81	10,530	130
Ice on Lines	1/3/2018	12	1,512	126
Ice on Lines	1/3/2018	8	992	124
Ice on Lines	1/3/2018	2	432	216
Ice on Lines	1/3/2018	18	1,026	57
Ice on Lines	1/3/2018	8	1,088	136
Ice on Lines	1/3/2018	107	10,593	99
Ice on Lines	1/3/2018	15	3,285	219
Ice on Lines	1/3/2018	1	68	68
Ice on Lines	1/3/2018	18	5,778	321
Ice on Lines	1/3/2018	20	3,900	195
Ice on Lines	1/3/2018	29	3,857	133
Ice on Lines	1/3/2018	1	268	268
Ice on Lines	1/3/2018	4	2,516	629
Ice on Lines	1/3/2018	1	79	79

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	92	17,196	196
Ice on Lines	1/3/2018	12	948	79
Ice on Lines	1/3/2018	19	15,466	814
Ice on Lines	1/3/2018	1	101	101
Ice on Lines	1/3/2018	11	2,599	325
Ice on Lines	1/3/2018	5	125	25
Ice on Lines	1/3/2018	1	312	312
Ice on Lines	1/3/2018	1	187	187
Ice on Lines	1/3/2018	1	177	177
Ice on Lines	1/3/2018	1	424	424
Ice on Lines	1/3/2018	22	2,024	92
Ice on Lines	1/3/2018	1	48	48
Ice on Lines	1/3/2018	9	828	92
Ice on Lines	1/3/2018	125	5,875	47
Ice on Lines	1/3/2018	1	278	278
Ice on Lines	1/3/2018	1	211	211
Ice on Lines	1/3/2018	5	430	86
Ice on Lines	1/3/2018	1	53	53
Ice on Lines	1/3/2018	17	9,911	583
Ice on Lines	1/3/2018	7	238	34
Ice on Lines	1/3/2018	1	42	42
Ice on Lines	1/3/2018	1	259	259
Ice on Lines	1/3/2018	49	2,450	50
Ice on Lines	1/3/2018	15	6,600	440
Ice on Lines	1/3/2018	1	383	383
Ice on Lines	1/3/2018	9	7,551	839
Ice on Lines	1/3/2018	1	317	317
Ice on Lines	1/3/2018	7	1,638	234
Ice on Lines	1/3/2018	1	310	310
Ice on Lines	1/3/2018	3	1,608	536
Ice on Lines	1/3/2018	1	380	380
Ice on Lines	1/3/2018	1	121	121
Ice on Lines	1/3/2018	1	104	104
Ice on Lines	1/3/2018	12	7,632	636
Ice on Lines	1/3/2018	2	138	69
Ice on Lines	1/3/2018	13	442	34
Ice on Lines	1/3/2018	1	19	19
Ice on Lines	1/3/2018	28	2,548	91
Ice on Lines	1/3/2018	12	2,340	195
Ice on Lines	1/3/2018	73	12,191	167
Ice on Lines	1/3/2018	2	1,128	564
Ice on Lines	1/3/2018	25	13,575	543
Ice on Lines	1/3/2018	1	39	39
Ice on Lines	1/3/2018	12	10,752	896
Ice on Lines	1/3/2018	3	105	35
Ice on Lines	1/3/2018	1	18	18
Ice on Lines	1/3/2018	1	68	68
Ice on Lines	1/3/2018	1	857	857
Ice on Lines	1/3/2018	1	72	72
Ice on Lines	1/3/2018	2	64	32
Ice on Lines	1/3/2018	1	214	214
Ice on Lines	1/3/2018	3	120	40
Ice on Lines	1/3/2018	1	151	151

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	1	339	339
Ice on Lines	1/3/2018	2	286	143
Ice on Lines	1/3/2018	14	9,744	696
Ice on Lines	1/3/2018	3	2,193	731
Ice on Lines	1/3/2018	5	555	111
Ice on Lines	1/3/2018	1	99	99
Ice on Lines	1/3/2018	1	25	25
Ice on Lines	1/3/2018	3	375	125
Ice on Lines	1/3/2018	6	546	91
Ice on Lines	1/3/2018	10	6,630	663
Ice on Lines	1/3/2018	573	21,201	37
Ice on Lines	1/3/2018	43	7,697	179
Ice on Lines	1/3/2018	3	426	142
Ice on Lines	1/3/2018	4	192	48
Ice on Lines	1/3/2018	11	6,204	564
Ice on Lines	1/3/2018	19	6,612	348
Ice on Lines	1/3/2018	1	53	53
Ice on Lines	1/3/2018	67	115,709	1,727
Ice on Lines	1/3/2018	1	181	181
Ice on Lines	1/3/2018	1	112	112
Ice on Lines	1/3/2018	8	1,376	172
Ice on Lines	1/3/2018	4	3,372	843
Ice on Lines	1/3/2018	45	29,189	919
Ice on Lines	1/3/2018	4	3,392	848
Ice on Lines	1/3/2018	4	232	58
Ice on Lines	1/3/2018	51	34,867	685
Ice on Lines	1/3/2018	71	5,041	71
Ice on Lines	1/3/2018	1	56	56
Ice on Lines	1/3/2018	395	24,490	62
Ice on Lines	1/3/2018	20	8,080	404
Ice on Lines	1/3/2018	1	371	371
Ice on Lines	1/3/2018	22	1,606	73
Ice on Lines	1/3/2018	1	112	112
Ice on Lines	1/3/2018	24	18,120	755
Ice on Lines	1/3/2018	29	35,235	1,215
Ice on Lines	1/3/2018	1	281	281
Ice on Lines	1/3/2018	1	756	756
Ice on Lines	1/3/2018	99	25,134	389
Ice on Lines	1/3/2018	61	36,204	660
Ice on Lines	1/3/2018	1	5	5
Ice on Lines	1/3/2018	12	672	56
Ice on Lines	1/3/2018	1	224	224
Ice on Lines	1/3/2018	78	16,176	286
Ice on Lines	1/3/2018	3	324	108
Ice on Lines	1/3/2018	4	1,148	287
Ice on Lines	1/3/2018	1	20	20
Ice on Lines	1/3/2018	133	52,136	392
Ice on Lines	1/3/2018	13	650	50
Ice on Lines	1/3/2018	2	28	14
Ice on Lines	1/3/2018	17	9,299	547
Ice on Lines	1/3/2018	1	24	24
Ice on Lines	1/3/2018	42	14,658	349
Ice on Lines	1/3/2018	3	2,619	873

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	4	768	192
Ice on Lines	1/3/2018	1	269	269
Ice on Lines	1/3/2018	3	2,226	742
Ice on Lines	1/3/2018	10	4,290	429
Ice on Lines	1/3/2018	9	7,884	876
Ice on Lines	1/3/2018	74	12,506	169
Ice on Lines	1/3/2018	1	221	221
Ice on Lines	1/3/2018	2	2,534	1,267
Ice on Lines	1/3/2018	12	12,840	1,070
Ice on Lines	1/3/2018	10	450	45
Ice on Lines	1/3/2018	1	1,097	1,097
Ice on Lines	1/3/2018	1	41	41
Ice on Lines	1/3/2018	636	32,598	84
Ice on Lines	1/3/2018	18	1,836	102
Ice on Lines	1/3/2018	1	247	247
Ice on Lines	1/3/2018	39	15,834	406
Ice on Lines	1/3/2018	30	17,550	585
Ice on Lines	1/3/2018	35	14,175	405
Ice on Lines	1/3/2018	4	3,464	866
Ice on Lines	1/3/2018	1	634	634
Ice on Lines	1/3/2018	16	6,880	430
Ice on Lines	1/3/2018	22	9,416	1,149
Ice on Lines	1/3/2018	13	6,045	465
Ice on Lines	1/3/2018	10	1,110	111
Ice on Lines	1/3/2018	1	66	66
Ice on Lines	1/3/2018	19	22,021	1,159
Ice on Lines	1/3/2018	1,503	53,764	45
Ice on Lines	1/3/2018	3	42	14
Ice on Lines	1/3/2018	1	237	237
Ice on Lines	1/3/2018	6	5,088	848
Ice on Lines	1/3/2018	5	4,485	897
Ice on Lines	1/3/2018	1	204	204
Ice on Lines	1/3/2018	26	20,202	777
Ice on Lines	1/3/2018	7	616	88
Ice on Lines	1/3/2018	3	2,559	853
Ice on Lines	1/3/2018	122	45,872	376
Ice on Lines	1/3/2018	11	187	17
Ice on Lines	1/3/2018	23	17,278	1,196
Ice on Lines	1/3/2018	55	19,470	354
Ice on Lines	1/3/2018	1	222	222
Ice on Lines	1/3/2018	1	59	59
Ice on Lines	1/3/2018	38	38,152	1,004
Ice on Lines	1/3/2018	3	633	211
Ice on Lines	1/3/2018	2	826	413
Ice on Lines	1/3/2018	10	670	67
Ice on Lines	1/3/2018	2	742	371
Ice on Lines	1/3/2018	2	552	276
Ice on Lines	1/3/2018	58	1,914	33
Ice on Lines	1/3/2018	95	62,422	734
Ice on Lines	1/3/2018	6	1,104	184
Ice on Lines	1/3/2018	35	15,540	444
Ice on Lines	1/3/2018	1	156	156
Ice on Lines	1/3/2018	20	2,880	144

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	161	1,610	10
Ice on Lines	1/3/2018	1	332	332
Ice on Lines	1/3/2018	1	400	400
Ice on Lines	1/3/2018	2	154	77
Ice on Lines	1/3/2018	2	900	450
Ice on Lines	1/3/2018	79	13,887	528
Ice on Lines	1/3/2018	4	1,468	367
Ice on Lines	1/3/2018	4	2,288	572
Ice on Lines	1/3/2018	1	224	224
Ice on Lines	1/3/2018	4	2,452	613
Ice on Lines	1/3/2018	34	28,084	826
Ice on Lines	1/3/2018	700	33,684	98
Ice on Lines	1/3/2018	10	1,710	171
Ice on Lines	1/3/2018	27	13,123	760
Ice on Lines	1/3/2018	22	2,200	100
Ice on Lines	1/3/2018	1	169	169
Ice on Lines	1/3/2018	13	4,615	355
Ice on Lines	1/3/2018	1	736	736
Ice on Lines	1/3/2018	843	94,416	112
Ice on Lines	1/3/2018	10	10,710	1,071
Ice on Lines	1/3/2018	11	2,717	247
Ice on Lines	1/3/2018	11	902	82
Ice on Lines	1/3/2018	1	229	229
Ice on Lines	1/3/2018	16	2,592	162
Ice on Lines	1/3/2018	58	25,520	440
Ice on Lines	1/3/2018	28	20,286	743
Ice on Lines	1/3/2018	18	6,786	377
Ice on Lines	1/3/2018	1	56	56
Ice on Lines	1/3/2018	46	29,340	790
Ice on Lines	1/3/2018	2	1,536	768
Ice on Lines	1/3/2018	2	1,194	597
Ice on Lines	1/3/2018	45	3,330	74
Ice on Lines	1/3/2018	47	19,411	413
Ice on Lines	1/3/2018	83	69,107	967
Ice on Lines	1/3/2018	538	28,409	97
Ice on Lines	1/3/2018	1	41	41
Ice on Lines	1/3/2018	66	18,612	282
Ice on Lines	1/3/2018	1	103	103
Ice on Lines	1/3/2018	18	18,540	1,030
Ice on Lines	1/3/2018	27	6,588	244
Ice on Lines	1/3/2018	14	4,914	351
Ice on Lines	1/3/2018	25	2,225	89
Ice on Lines	1/3/2018	40	9,760	244
Ice on Lines	1/3/2018	43	3,956	92
Ice on Lines	1/3/2018	4	1,012	253
Ice on Lines	1/3/2018	1	244	244
Ice on Lines	1/3/2018	20	9,240	462
Ice on Lines	1/3/2018	1	415	415
Ice on Lines	1/3/2018	113	28,476	252
Ice on Lines	1/3/2018	1	70	70
Ice on Lines	1/3/2018	2	324	162
Ice on Lines	1/3/2018	12	10,044	837
Ice on Lines	1/3/2018	2	542	271

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	29	1,073	37
Ice on Lines	1/3/2018	22	17,666	803
Ice on Lines	1/3/2018	74	42,180	570
Ice on Lines	1/3/2018	12	6,204	517
Ice on Lines	1/3/2018	52	4,576	88
Ice on Lines	1/3/2018	5	1,460	292
Ice on Lines	1/3/2018	1,157	42,980	160
Ice on Lines	1/3/2018	1	181	181
Ice on Lines	1/3/2018	1	127	127
Ice on Lines	1/3/2018	9	1,836	204
Ice on Lines	1/3/2018	6	5,814	969
Ice on Lines	1/3/2018	2	256	128
Ice on Lines	1/3/2018	71	17,395	245
Ice on Lines	1/3/2018	661	60,060	414
Ice on Lines	1/3/2018	212	64,452	441
Ice on Lines	1/3/2018	6	1,230	205
Ice on Lines	1/3/2018	27	10,036	806
Ice on Lines	1/3/2018	506	1,012	2
Ice on Lines	1/3/2018	1	34	34
Ice on Lines	1/3/2018	40	8,560	214
Ice on Lines	1/3/2018	1	286	286
Ice on Lines	1/3/2018	3	531	177
Ice on Lines	1/3/2018	10	940	94
Ice on Lines	1/3/2018	369	44,649	121
Ice on Lines	1/3/2018	1	218	218
Ice on Lines	1/3/2018	8	264	33
Ice on Lines	1/3/2018	2	138	69
Ice on Lines	1/3/2018	14	4,102	293
Ice on Lines	1/3/2018	22	11,208	948
Ice on Lines	1/3/2018	6	1,524	254
Ice on Lines	1/3/2018	8	440	55
Ice on Lines	1/3/2018	122	14,214	136
Ice on Lines	1/3/2018	31	11,377	367
Ice on Lines	1/3/2018	1	204	204
Ice on Lines	1/3/2018	5	725	145
Ice on Lines	1/3/2018	23	3,197	139
Ice on Lines	1/3/2018	1	82	82
Ice on Lines	1/3/2018	6	396	66
Ice on Lines	1/3/2018	1	144	144
Ice on Lines	1/3/2018	2	814	407
Ice on Lines	1/3/2018	23	2,737	119
Ice on Lines	1/3/2018	10	3,625	723
Ice on Lines	1/3/2018	2	112	56
Ice on Lines	1/3/2018	23	11,486	622
Ice on Lines	1/3/2018	9	2,412	268
Ice on Lines	1/3/2018	6	3,558	593
Ice on Lines	1/3/2018	2	282	141
Ice on Lines	1/3/2018	68	8,228	121
Ice on Lines	1/3/2018	5	1,835	367
Ice on Lines	1/3/2018	3	312	104
Ice on Lines	1/3/2018	9	315	35
Ice on Lines	1/3/2018	8	2,872	359
Ice on Lines	1/3/2018	18	5,382	299

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	860	56,760	66
Ice on Lines	1/3/2018	1	253	253
Ice on Lines	1/3/2018	46	1,288	28
Ice on Lines	1/3/2018	22	264	12
Ice on Lines	1/3/2018	21	966	46
Ice on Lines	1/3/2018	6	2,640	440
Ice on Lines	1/3/2018	7	875	125
Ice on Lines	1/3/2018	1	242	242
Ice on Lines	1/3/2018	7	1,995	285
Ice on Lines	1/3/2018	1	39	39
Ice on Lines	1/3/2018	5	1,445	289
Ice on Lines	1/3/2018	4	1,428	357
Ice on Lines	1/3/2018	11	1,518	138
Ice on Lines	1/3/2018	6	4,086	681
Ice on Lines	1/3/2018	2	1,542	771
Ice on Lines	1/3/2018	84	19,717	542
Ice on Lines	1/3/2018	34	3,944	116
Ice on Lines	1/3/2018	1	117	117
Ice on Lines	1/3/2018	114	14,136	124
Ice on Lines	1/3/2018	1	338	338
Ice on Lines	1/3/2018	29	2,668	92
Ice on Lines	1/3/2018	1	875	875
Ice on Lines	1/3/2018	3	1,413	471
Ice on Lines	1/3/2018	1	311	311
Ice on Lines	1/3/2018	3	1,152	384
Ice on Lines	1/3/2018	2	192	96
Ice on Lines	1/3/2018	1	331	331
Ice on Lines	1/3/2018	12	4,110	1,206
Ice on Lines	1/3/2018	21	8,472	657
Ice on Lines	1/3/2018	9	2,727	303
Ice on Lines	1/3/2018	1	297	297
Ice on Lines	1/3/2018	51	9,639	189
Ice on Lines	1/3/2018	1	125	125
Ice on Lines	1/3/2018	690	24,840	36
Ice on Lines	1/3/2018	1,563	3,126	2
Ice on Lines	1/3/2018	852	149,100	175
Ice on Lines	1/3/2018	16	8,800	550
Ice on Lines	1/3/2018	27	9,189	383
Ice on Lines	1/3/2018	1	118	118
Ice on Lines	1/3/2018	6	630	105
Ice on Lines	1/3/2018	5	3,310	662
Ice on Lines	1/3/2018	1	69	69
Ice on Lines	1/3/2018	1	20	20
Ice on Lines	1/3/2018	73	10,605	165
Ice on Lines	1/3/2018	43	3,397	79
Ice on Lines	1/3/2018	4	8	2
Ice on Lines	1/3/2018	5	20	4
Ice on Lines	1/3/2018	108	10,476	97
Ice on Lines	1/3/2018	42	18,060	633
Ice on Lines	1/3/2018	16	7,968	498
Ice on Lines	1/3/2018	60	6,600	110
Ice on Lines	1/3/2018	53	15,658	366
Ice on Lines	1/3/2018	8	1,264	158

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	21	3,696	176
Ice on Lines	1/3/2018	1,187	61,353	119
Ice on Lines	1/3/2018	21	1,029	49
Ice on Lines	1/3/2018	1,545	44,805	29
Ice on Lines	1/3/2018	485	99,035	219
Ice on Lines	1/3/2018	6	852	142
Ice on Lines	1/3/2018	27	6,750	250
Ice on Lines	1/3/2018	7	4,886	698
Ice on Lines	1/3/2018	4	1,480	370
Ice on Lines	1/3/2018	1	164	878
Ice on Lines	1/3/2018	7	1,169	167
Ice on Lines	1/3/2018	11	1,320	120
Ice on Lines	1/3/2018	1	189	189
Ice on Lines	1/3/2018	1,145	192,897	222
Ice on Lines	1/3/2018	45	13,680	304
Ice on Lines	1/3/2018	64	26,816	419
Ice on Lines	1/3/2018	6	1,800	300
Ice on Lines	1/3/2018	9	6,993	910
Ice on Lines	1/3/2018	1	189	189
Ice on Lines	1/3/2018	29	13,202	478
Ice on Lines	1/3/2018	4	116	29
Ice on Lines	1/3/2018	53	20,810	582
Ice on Lines	1/3/2018	51	11,628	228
Ice on Lines	1/3/2018	1,016	68,118	106
Ice on Lines	1/3/2018	1	15	15
Ice on Lines	1/3/2018	1	762	762
Ice on Lines	1/3/2018	13	6,669	513
Ice on Lines	1/3/2018	3	579	193
Ice on Lines	1/3/2018	11	8,998	818
Ice on Lines	1/3/2018	60	17,640	294
Ice on Lines	1/3/2018	29	3,190	110
Ice on Lines	1/3/2018	18	4,032	224
Ice on Lines	1/3/2018	1	759	759
Ice on Lines	1/3/2018	31	14,779	563
Ice on Lines	1/3/2018	1	178	178
Ice on Lines	1/3/2018	1,376	74,398	66
Ice on Lines	1/3/2018	9	702	78
Ice on Lines	1/3/2018	952	7,616	8
Ice on Lines	1/3/2018	9	549	61
Ice on Lines	1/3/2018	1	20	20
Ice on Lines	1/3/2018	4	200	50
Ice on Lines	1/3/2018	1	694	694
Ice on Lines	1/3/2018	12	3,960	331
Ice on Lines	1/3/2018	1	523	523
Ice on Lines	1/3/2018	4	416	104
Ice on Lines	1/3/2018	2,566	56,883	309
Ice on Lines	1/3/2018	10	3,030	303
Ice on Lines	1/3/2018	15	1,830	122
Ice on Lines	1/3/2018	1	585	585
Ice on Lines	1/3/2018	9	8,226	914
Ice on Lines	1/3/2018	4	3,784	946
Ice on Lines	1/3/2018	9	3,042	338
Ice on Lines	1/3/2018	1	447	447

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	12	12,252	1,021
Ice on Lines	1/3/2018	3	819	273
Ice on Lines	1/3/2018	1	246	246
Ice on Lines	1/3/2018	1	186	186
Ice on Lines	1/3/2018	12	4,548	379
Ice on Lines	1/3/2018	11	4,532	412
Ice on Lines	1/3/2018	4	36	9
Ice on Lines	1/3/2018	45	4,860	108
Ice on Lines	1/3/2018	2	278	139
Ice on Lines	1/3/2018	12	540	45
Ice on Lines	1/3/2018	1	444	444
Ice on Lines	1/3/2018	7	1,092	156
Ice on Lines	1/3/2018	6	126	21
Ice on Lines	1/3/2018	1,039	24,936	24
Ice on Lines	1/3/2018	8	1,264	158
Ice on Lines	1/3/2018	12	8,160	680
Ice on Lines	1/3/2018	1	161	161
Ice on Lines	1/3/2018	2	16	8
Ice on Lines	1/3/2018	10	1,650	165
Ice on Lines	1/3/2018	14	8,918	637
Ice on Lines	1/3/2018	1	970	970
Ice on Lines	1/3/2018	10	1,410	141
Ice on Lines	1/3/2018	1	9	9
Ice on Lines	1/3/2018	29	4,959	172
Ice on Lines	1/3/2018	5	1,885	377
Ice on Lines	1/3/2018	10	930	93
Ice on Lines	1/3/2018	1	379	379
Ice on Lines	1/3/2018	35	6,125	175
Ice on Lines	1/3/2018	1	151	151
Ice on Lines	1/3/2018	13	4,576	352
Ice on Lines	1/3/2018	7	476	68
Ice on Lines	1/3/2018	1	173	173
Ice on Lines	1/3/2018	1	558	558
Ice on Lines	1/3/2018	9	3,429	381
Ice on Lines	1/3/2018	2,193	4,386	2
Ice on Lines	1/3/2018	1	378	378
Ice on Lines	1/3/2018	6	198	33
Ice on Lines	1/3/2018	4	1,464	366
Ice on Lines	1/3/2018	61	21,045	345
Ice on Lines	1/3/2018	7	2,030	290
Ice on Lines	1/3/2018	6	2,196	366
Ice on Lines	1/3/2018	3	405	135
Ice on Lines	1/3/2018	1	21	21
Ice on Lines	1/3/2018	2	1,834	917
Ice on Lines	1/3/2018	19	7,600	400
Ice on Lines	1/3/2018	9	4,437	493
Ice on Lines	1/3/2018	32	9,952	311
Ice on Lines	1/3/2018	78	3,198	41
Ice on Lines	1/3/2018	1	104	104
Ice on Lines	1/3/2018	14	7,399	533
Ice on Lines	1/3/2018	1	458	458
Ice on Lines	1/3/2018	5	285	57
Ice on Lines	1/3/2018	12	6,348	529

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	12	1,632	136
Ice on Lines	1/3/2018	6	3,150	550
Ice on Lines	1/3/2018	36	1,800	50
Ice on Lines	1/3/2018	20	2,180	109
Ice on Lines	1/3/2018	9	3,843	427
Ice on Lines	1/3/2018	46	7,360	160
Ice on Lines	1/3/2018	3	1,554	518
Ice on Lines	1/3/2018	924	69,998	270
Ice on Lines	1/3/2018	10	4,470	447
Ice on Lines	1/3/2018	41	24,492	726
Ice on Lines	1/3/2018	1	310	310
Ice on Lines	1/3/2018	9	603	67
Ice on Lines	1/3/2018	1	271	271
Ice on Lines	1/3/2018	1	254	254
Ice on Lines	1/3/2018	2	216	108
Ice on Lines	1/3/2018	7	3,318	474
Ice on Lines	1/3/2018	22	10,142	481
Ice on Lines	1/3/2018	4	1,472	368
Ice on Lines	1/3/2018	2,106	142,930	243
Ice on Lines	1/3/2018	6	2,958	493
Ice on Lines	1/3/2018	29	11,745	405
Ice on Lines	1/3/2018	2	2,136	1,068
Ice on Lines	1/3/2018	2	644	322
Ice on Lines	1/3/2018	19	5,909	311
Ice on Lines	1/3/2018	1	289	289
Ice on Lines	1/3/2018	19	5,396	284
Ice on Lines	1/3/2018	39	8,970	230
Ice on Lines	1/3/2018	10	2,340	234
Ice on Lines	1/3/2018	20	7,140	357
Ice on Lines	1/3/2018	6	2,376	396
Ice on Lines	1/3/2018	2	422	211
Ice on Lines	1/3/2018	27	8,343	309
Ice on Lines	1/3/2018	2	244	122
Ice on Lines	1/3/2018	1	479	479
Ice on Lines	1/3/2018	4	1,168	292
Ice on Lines	1/3/2018	9	1,044	116
Ice on Lines	1/3/2018	4	36	9
Ice on Lines	1/3/2018	15	2,685	179
Ice on Lines	1/3/2018	1	286	286
Ice on Lines	1/3/2018	48	9,408	196
Ice on Lines	1/3/2018	3	1,686	562
Ice on Lines	1/3/2018	12	2,316	193
Ice on Lines	1/3/2018	1	77	77
Ice on Lines	1/3/2018	2,280	2,280	1
Ice on Lines	1/3/2018	4	2,032	508
Ice on Lines	1/3/2018	3	1,233	411
Ice on Lines	1/3/2018	7	3,815	545
Ice on Lines	1/3/2018	9	3,051	339
Ice on Lines	1/3/2018	5	665	133
Ice on Lines	1/3/2018	3	879	293
Ice on Lines	1/3/2018	1	10	10
Ice on Lines	1/3/2018	10	3,110	311
Ice on Lines	1/3/2018	5	2,135	427

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	12	5,196	433
Ice on Lines	1/3/2018	1	5	5
Ice on Lines	1/3/2018	61	11,712	192
Ice on Lines	1/3/2018	12	2,808	234
Ice on Lines	1/3/2018	1	125	125
Ice on Lines	1/3/2018	13	7,579	583
Ice on Lines	1/3/2018	840	90,603	332
Ice on Lines	1/3/2018	6	1,374	229
Ice on Lines	1/3/2018	4	1,268	317
Ice on Lines	1/3/2018	8	984	123
Ice on Lines	1/3/2018	74	22,274	301
Ice on Lines	1/3/2018	1	60	60
Ice on Lines	1/3/2018	43	12,427	289
Ice on Lines	1/3/2018	23	11,647	581
Ice on Lines	1/3/2018	18	5,760	320
Ice on Lines	1/3/2018	1	230	230
Ice on Lines	1/3/2018	125	7,125	57
Ice on Lines	1/3/2018	6	1,896	316
Ice on Lines	1/3/2018	1	579	579
Ice on Lines	1/3/2018	10	1,130	113
Ice on Lines	1/3/2018	9	3,303	367
Ice on Lines	1/3/2018	5	1,100	220
Ice on Lines	1/3/2018	285	10,652	93
Ice on Lines	1/3/2018	13	507	39
Ice on Lines	1/3/2018	6	3,586	1,071
Ice on Lines	1/3/2018	105	34,545	329
Ice on Lines	1/3/2018	1	43	43
Ice on Lines	1/3/2018	7	5,425	775
Ice on Lines	1/3/2018	3	1,488	496
Ice on Lines	1/3/2018	6	1,560	260
Ice on Lines	1/3/2018	21	8,022	382
Ice on Lines	1/3/2018	1	381	381
Ice on Lines	1/3/2018	10	2,910	415
Ice on Lines	1/3/2018	4	1,416	354
Ice on Lines	1/3/2018	9	1,602	178
Ice on Lines	1/3/2018	2	396	198
Ice on Lines	1/3/2018	6	1,314	219
Ice on Lines	1/3/2018	1	97	97
Ice on Lines	1/3/2018	1	432	432
Ice on Lines	1/3/2018	121	18,392	152
Ice on Lines	1/3/2018	26	10,452	402
Ice on Lines	1/3/2018	4	44	11
Ice on Lines	1/3/2018	3	657	219
Ice on Lines	1/3/2018	1	184	184
Ice on Lines	1/3/2018	1	134	134
Ice on Lines	1/3/2018	1	1	939
Ice on Lines	1/3/2018	11	6,655	605
Ice on Lines	1/3/2018	12	2,832	236
Ice on Lines	1/3/2018	4	916	229
Ice on Lines	1/3/2018	69	10,764	156
Ice on Lines	1/3/2018	21	2,037	97
Ice on Lines	1/3/2018	24	4,368	182
Ice on Lines	1/3/2018	5	3,355	671

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	1	937	937
Ice on Lines	1/3/2018	60	21,600	360
Ice on Lines	1/3/2018	12	4,500	375
Ice on Lines	1/3/2018	8	2,472	309
Ice on Lines	1/3/2018	1	132	132
Ice on Lines	1/3/2018	7	3,808	544
Ice on Lines	1/3/2018	4	2,280	570
Ice on Lines	1/3/2018	1	139	139
Ice on Lines	1/3/2018	9	963	107
Ice on Lines	1/3/2018	4	268	67
Ice on Lines	1/3/2018	22	4,536	238
Ice on Lines	1/3/2018	32	7,136	223
Ice on Lines	1/3/2018	16	4,896	306
Ice on Lines	1/3/2018	10	4,100	410
Ice on Lines	1/3/2018	23	3,979	173
Ice on Lines	1/3/2018	7	448	64
Ice on Lines	1/3/2018	28	11,284	403
Ice on Lines	1/3/2018	4	192	48
Ice on Lines	1/3/2018	1	185	185
Ice on Lines	1/3/2018	1	191	191
Ice on Lines	1/3/2018	22	5,500	250
Ice on Lines	1/3/2018	2	1,674	837
Ice on Lines	1/3/2018	10	4,350	435
Ice on Lines	1/3/2018	12	3,900	325
Ice on Lines	1/3/2018	67	10,117	151
Ice on Lines	1/3/2018	1	423	423
Ice on Lines	1/3/2018	1	175	175
Ice on Lines	1/3/2018	2	486	243
Ice on Lines	1/3/2018	32	4,776	255
Ice on Lines	1/3/2018	4	672	168
Ice on Lines	1/3/2018	2	972	486
Ice on Lines	1/3/2018	3	618	206
Ice on Lines	1/3/2018	1	63	63
Ice on Lines	1/3/2018	9	7,362	818
Ice on Lines	1/3/2018	10	220	22
Ice on Lines	1/3/2018	1	54	54
Ice on Lines	1/3/2018	1	30	30
Ice on Lines	1/3/2018	3	1,209	403
Ice on Lines	1/3/2018	14	2,744	196
Ice on Lines	1/3/2018	5	1,670	334
Ice on Lines	1/3/2018	30	19,350	645
Ice on Lines	1/3/2018	1	205	205
Ice on Lines	1/3/2018	7	602	86
Ice on Lines	1/3/2018	7	357	51
Ice on Lines	1/3/2018	1	150	150
Ice on Lines	1/3/2018	1	291	291
Ice on Lines	1/3/2018	11	6,006	546
Ice on Lines	1/3/2018	1	202	202
Ice on Lines	1/3/2018	1,042	29,176	28
Ice on Lines	1/3/2018	1	42	42
Ice on Lines	1/3/2018	69	552	8
Ice on Lines	1/3/2018	4	1,160	290
Ice on Lines	1/3/2018	36	13,608	378

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	1	238	238
Ice on Lines	1/3/2018	1	274	274
Ice on Lines	1/3/2018	1	451	451
Ice on Lines	1/3/2018	13	5,057	389
Ice on Lines	1/3/2018	9	1,746	194
Ice on Lines	1/3/2018	1	163	163
Ice on Lines	1/3/2018	1	23	23
Ice on Lines	1/3/2018	28	6,638	395
Ice on Lines	1/3/2018	1	649	649
Ice on Lines	1/3/2018	2	1,156	578
Ice on Lines	1/3/2018	2	488	244
Ice on Lines	1/3/2018	1	10	10
Ice on Lines	1/3/2018	1	169	169
Ice on Lines	1/3/2018	1	12	12
Ice on Lines	1/3/2018	5	895	179
Ice on Lines	1/3/2018	11	4,230	422
Ice on Lines	1/3/2018	36	1,332	37
Ice on Lines	1/3/2018	1	83	83
Ice on Lines	1/3/2018	151	55,266	366
Ice on Lines	1/3/2018	64	24,768	387
Ice on Lines	1/3/2018	4	1,428	357
Ice on Lines	1/3/2018	31	23,467	757
Ice on Lines	1/3/2018	1	1,263	1,263
Ice on Lines	1/3/2018	19	3,211	169
Ice on Lines	1/3/2018	1	71	71
Ice on Lines	1/3/2018	1	345	345
Ice on Lines	1/3/2018	53	22,790	430
Ice on Lines	1/3/2018	84	12,180	145
Ice on Lines	1/3/2018	4	404	101
Ice on Lines	1/3/2018	29	6,989	241
Ice on Lines	1/3/2018	1	403	403
Ice on Lines	1/3/2018	8	968	121
Ice on Lines	1/3/2018	4	416	104
Ice on Lines	1/3/2018	17	1,955	115
Ice on Lines	1/3/2018	1	48	48
Ice on Lines	1/3/2018	15	10,260	684
Ice on Lines	1/3/2018	6	2,700	450
Ice on Lines	1/3/2018	11	1,375	125
Ice on Lines	1/3/2018	1	610	610
Ice on Lines	1/3/2018	1	311	311
Ice on Lines	1/3/2018	29	5,713	197
Ice on Lines	1/3/2018	4	392	98
Ice on Lines	1/3/2018	1	187	187
Ice on Lines	1/3/2018	1	172	172
Ice on Lines	1/3/2018	1	74	74
Ice on Lines	1/3/2018	1	55	55
Ice on Lines	1/3/2018	100	11,900	119
Ice on Lines	1/3/2018	22	4,070	185
Ice on Lines	1/3/2018	1	31	31
Ice on Lines	1/3/2018	1	168	168
Ice on Lines	1/3/2018	19	3,420	180
Ice on Lines	1/3/2018	6	1,146	191
Ice on Lines	1/3/2018	1	73	73

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	1	477	477
Ice on Lines	1/3/2018	52	11,180	215
Ice on Lines	1/3/2018	20	3,500	175
Ice on Lines	1/3/2018	1	127	127
Ice on Lines	1/3/2018	3	750	250
Ice on Lines	1/3/2018	20	4,020	201
Ice on Lines	1/3/2018	5	680	136
Ice on Lines	1/3/2018	8	88	11
Ice on Lines	1/3/2018	7	3,535	505
Ice on Lines	1/3/2018	1	57	57
Ice on Lines	1/3/2018	1	134	134
Ice on Lines	1/3/2018	1	737	737
Ice on Lines	1/3/2018	13	1,170	90
Ice on Lines	1/3/2018	6	1,170	195
Ice on Lines	1/3/2018	64	30,080	470
Ice on Lines	1/3/2018	3	783	261
Ice on Lines	1/3/2018	8	1,520	190
Ice on Lines	1/3/2018	1	135	135
Ice on Lines	1/3/2018	1	104	104
Ice on Lines	1/3/2018	1	442	442
Ice on Lines	1/3/2018	62	11,466	426
Ice on Lines	1/3/2018	10	1,750	175
Ice on Lines	1/3/2018	1	290	290
Ice on Lines	1/3/2018	44	3,050	168
Ice on Lines	1/3/2018	4	232	58
Ice on Lines	1/3/2018	3	483	161
Ice on Lines	1/3/2018	1	64	64
Ice on Lines	1/3/2018	2	284	142
Ice on Lines	1/3/2018	27	11,394	422
Ice on Lines	1/3/2018	1	189	189
Ice on Lines	1/3/2018	57	25,057	737
Ice on Lines	1/3/2018	12	2,172	181
Ice on Lines	1/3/2018	1,016	40,912	107
Ice on Lines	1/3/2018	5	535	107
Ice on Lines	1/3/2018	5	1,300	260
Ice on Lines	1/3/2018	2	708	354
Ice on Lines	1/3/2018	37	3,108	84
Ice on Lines	1/3/2018	1	202	202
Ice on Lines	1/3/2018	4	60	15
Ice on Lines	1/3/2018	5	1,590	318
Ice on Lines	1/3/2018	1	430	430
Ice on Lines	1/3/2018	4	452	113
Ice on Lines	1/3/2018	6	294	49
Ice on Lines	1/3/2018	1	469	469
Ice on Lines	1/3/2018	1	102	102
Ice on Lines	1/3/2018	1	212	212
Ice on Lines	1/3/2018	8	6,696	837
Ice on Lines	1/3/2018	71	17,111	241
Ice on Lines	1/3/2018	2	288	144
Ice on Lines	1/3/2018	127	17,272	136
Ice on Lines	1/3/2018	8	2,848	356
Ice on Lines	1/3/2018	6	96	16
Ice on Lines	1/3/2018	5	530	106

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	1	305	305
Ice on Lines	1/3/2018	26	1,794	69
Ice on Lines	1/3/2018	1	5	5
Ice on Lines	1/3/2018	6	336	56
Ice on Lines	1/3/2018	41	13,161	321
Ice on Lines	1/3/2018	4	1,112	278
Ice on Lines	1/3/2018	35	3,290	94
Ice on Lines	1/3/2018	1	126	126
Ice on Lines	1/3/2018	13	3,276	252
Ice on Lines	1/3/2018	1	456	456
Ice on Lines	1/3/2018	1	151	151
Ice on Lines	1/3/2018	3,301	151,091	92
Ice on Lines	1/3/2018	1	644	644
Ice on Lines	1/3/2018	4	272	68
Ice on Lines	1/3/2018	1	195	195
Ice on Lines	1/3/2018	7	7	210
Ice on Lines	1/3/2018	1	199	199
Ice on Lines	1/3/2018	70	19,147	317
Ice on Lines	1/3/2018	1	70	70
Ice on Lines	1/3/2018	1	655	655
Ice on Lines	1/3/2018	1	79	79
Ice on Lines	1/3/2018	1	457	457
Ice on Lines	1/3/2018	1	85	85
Ice on Lines	1/3/2018	18	3,798	211
Ice on Lines	1/3/2018	10	4,030	403
Ice on Lines	1/3/2018	1	189	189
Ice on Lines	1/3/2018	38	6,430	252
Ice on Lines	1/3/2018	16	4,752	297
Ice on Lines	1/3/2018	1	12	12
Ice on Lines	1/3/2018	2	1,020	510
Ice on Lines	1/3/2018	2	122	61
Ice on Lines	1/3/2018	20	5,840	292
Ice on Lines	1/3/2018	1	113	113
Ice on Lines	1/3/2018	2	234	117
Ice on Lines	1/3/2018	1,175	79,517	313
Ice on Lines	1/3/2018	6	1,332	222
Ice on Lines	1/3/2018	1	141	141
Ice on Lines	1/3/2018	1	23	23
Ice on Lines	1/3/2018	1	188	188
Ice on Lines	1/3/2018	2	50	25
Ice on Lines	1/3/2018	7	1,799	257
Ice on Lines	1/3/2018	1	344	344
Ice on Lines	1/3/2018	82	26,814	327
Ice on Lines	1/3/2018	91	29,939	329
Ice on Lines	1/3/2018	1	18	18
Ice on Lines	1/3/2018	12	696	58
Ice on Lines	1/3/2018	12	2,064	172
Ice on Lines	1/3/2018	2,633	146,123	283
Ice on Lines	1/3/2018	6	972	162
Ice on Lines	1/3/2018	761	30,908	138
Ice on Lines	1/3/2018	6	1,392	232
Ice on Lines	1/3/2018	64	10,112	158
Ice on Lines	1/3/2018	71	1,988	28

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	19	4,578	267
Ice on Lines	1/3/2018	3	438	146
Ice on Lines	1/3/2018	1	91	91
Ice on Lines	1/3/2018	60	1,740	29
Ice on Lines	1/3/2018	9	1,827	203
Ice on Lines	1/3/2018	1	214	214
Ice on Lines	1/3/2018	1	296	296
Ice on Lines	1/3/2018	29	8,265	285
Ice on Lines	1/3/2018	20	1,640	82
Ice on Lines	1/3/2018	7	602	86
Ice on Lines	1/3/2018	1	206	206
Ice on Lines	1/3/2018	3	42	14
Ice on Lines	1/3/2018	1	120	120
Ice on Lines	1/3/2018	1	111	111
Ice on Lines	1/3/2018	4	2,392	598
Ice on Lines	1/3/2018	6	1,350	225
Ice on Lines	1/3/2018	1	223	223
Ice on Lines	1/3/2018	1	49	49
Ice on Lines	1/3/2018	14	3,710	265
Ice on Lines	1/3/2018	6	96	16
Ice on Lines	1/3/2018	1	143	143
Ice on Lines	1/3/2018	5	1,555	311
Ice on Lines	1/3/2018	1	13	13
Ice on Lines	1/3/2018	1	17	17
Ice on Lines	1/3/2018	43	13,330	310
Ice on Lines	1/3/2018	12	360	30
Ice on Lines	1/3/2018	9	36	4
Ice on Lines	1/3/2018	1	60	60
Ice on Lines	1/3/2018	7	1,407	201
Ice on Lines	1/3/2018	1	335	335
Ice on Lines	1/3/2018	1	5	5
Ice on Lines	1/3/2018	1	56	56
Ice on Lines	1/3/2018	6	4,086	681
Ice on Lines	1/3/2018	12	840	70
Ice on Lines	1/3/2018	8	264	33
Ice on Lines	1/3/2018	4	936	271
Ice on Lines	1/3/2018	8	616	77
Ice on Lines	1/3/2018	1	57	57
Ice on Lines	1/3/2018	6	1,134	189
Ice on Lines	1/3/2018	1	395	395
Ice on Lines	1/3/2018	485	970	2
Ice on Lines	1/3/2018	2	1,278	639
Ice on Lines	1/3/2018	4	1,248	312
Ice on Lines	1/3/2018	6	2,760	460
Ice on Lines	1/3/2018	1	358	358
Ice on Lines	1/3/2018	164	9,976	452
Ice on Lines	1/3/2018	32	3,488	109
Ice on Lines	1/3/2018	1	73	73
Ice on Lines	1/3/2018	11	1,441	131
Ice on Lines	1/3/2018	5	2,505	501
Ice on Lines	1/3/2018	1	23	23
Ice on Lines	1/3/2018	64	8,448	132
Ice on Lines	1/3/2018	23	9,752	424

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	3	984	328
Ice on Lines	1/3/2018	9	1,341	149
Ice on Lines	1/3/2018	2	510	255
Ice on Lines	1/3/2018	11	748	68
Ice on Lines	1/3/2018	5	3,270	654
Ice on Lines	1/3/2018	1	20	20
Ice on Lines	1/3/2018	1	105	105
Ice on Lines	1/3/2018	3	780	260
Ice on Lines	1/3/2018	1	1	1
Ice on Lines	1/3/2018	1	100	100
Ice on Lines	1/3/2018	1	90	90
Ice on Lines	1/3/2018	4	406	118
Ice on Lines	1/3/2018	4	116	29
Ice on Lines	1/3/2018	1	499	499
Ice on Lines	1/3/2018	1	198	198
Ice on Lines	1/3/2018	2	468	234
Ice on Lines	1/3/2018	1	152	237
Ice on Lines	1/3/2018	19	8,721	459
Ice on Lines	1/3/2018	1	35	35
Ice on Lines	1/3/2018	61	2,562	42
Ice on Lines	1/3/2018	7	1,687	241
Ice on Lines	1/3/2018	1	379	379
Ice on Lines	1/3/2018	4	48	12
Ice on Lines	1/3/2018	2,848	65,504	23
Ice on Lines	1/3/2018	1	310	310
Ice on Lines	1/3/2018	7	259	37
Ice on Lines	1/3/2018	1	284	284
Ice on Lines	1/3/2018	12	2,188	494
Ice on Lines	1/3/2018	1	47	47
Ice on Lines	1/3/2018	1	313	313
Ice on Lines	1/3/2018	2	786	393
Ice on Lines	1/3/2018	7	329	47
Ice on Lines	1/3/2018	1	199	199
Ice on Lines	1/3/2018	1	60	60
Ice on Lines	1/3/2018	3	486	162
Ice on Lines	1/3/2018	7	910	130
Ice on Lines	1/3/2018	7	1,169	167
Ice on Lines	1/3/2018	2	212	106
Ice on Lines	1/3/2018	1	90	90
Ice on Lines	1/3/2018	1	157	157
Ice on Lines	1/3/2018	1	67	67
Ice on Lines	1/3/2018	1	57	57
Ice on Lines	1/3/2018	3	54	18
Ice on Lines	1/3/2018	1	908	908
Ice on Lines	1/3/2018	1	122	122
Ice on Lines	1/3/2018	1	527	527
Ice on Lines	1/3/2018	1	450	450
Ice on Lines	1/3/2018	1	127	127
Ice on Lines	1/3/2018	3	75	25
Ice on Lines	1/3/2018	1	113	113
Ice on Lines	1/3/2018	16	2,816	176
Ice on Lines	1/3/2018	7	2,345	335
Ice on Lines	1/3/2018	1	235	235

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	1	109	109
Ice on Lines	1/3/2018	13	143	11
Ice on Lines	1/3/2018	1	153	153
Ice on Lines	1/3/2018	18	3,879	255
Ice on Lines	1/3/2018	1	139	139
Ice on Lines	1/3/2018	1	33	33
Ice on Lines	1/3/2018	14	2,072	148
Ice on Lines	1/3/2018	1	175	175
Ice on Lines	1/3/2018	16	4,416	276
Ice on Lines	1/3/2018	1	190	190
Ice on Lines	1/3/2018	8	2,392	422
Ice on Lines	1/3/2018	1,506	1,506	1
Ice on Lines	1/3/2018	21	4,662	222
Ice on Lines	1/3/2018	180	4,140	23
Ice on Lines	1/3/2018	1	950	950
Ice on Lines	1/3/2018	2	190	95
Ice on Lines	1/3/2018	6	186	31
Ice on Lines	1/3/2018	4	132	33
Ice on Lines	1/3/2018	10	50	5
Ice on Lines	1/3/2018	1	21	21
Ice on Lines	1/3/2018	2	754	377
Ice on Lines	1/3/2018	7	2,681	383
Ice on Lines	1/3/2018	6	2,064	344
Ice on Lines	1/3/2018	11	561	51
Ice on Lines	1/3/2018	1	75	75
Ice on Lines	1/3/2018	13	1,456	112
Ice on Lines	1/3/2018	1	160	160
Ice on Lines	1/3/2018	5	215	112
Ice on Lines	1/3/2018	2	166	83
Ice on Lines	1/3/2018	1	313	313
Ice on Lines	1/3/2018	1	66	66
Ice on Lines	1/3/2018	4	676	169
Ice on Lines	1/3/2018	1	300	300
Ice on Lines	1/3/2018	1	95	95
Ice on Lines	1/3/2018	16	3,568	223
Ice on Lines	1/3/2018	2	134	67
Ice on Lines	1/3/2018	47	11,750	250
Ice on Lines	1/3/2018	4	264	66
Ice on Lines	1/3/2018	8	3,088	386
Ice on Lines	1/3/2018	703	7,030	10
Ice on Lines	1/3/2018	2	396	198
Ice on Lines	1/3/2018	1	81	81
Ice on Lines	1/3/2018	1	78	78
Ice on Lines	1/3/2018	15	1,485	99
Ice on Lines	1/3/2018	1	131	131
Ice on Lines	1/3/2018	8	240	30
Ice on Lines	1/3/2018	11	957	87
Ice on Lines	1/3/2018	10	5,760	576
Ice on Lines	1/3/2018	1	257	257
Ice on Lines	1/3/2018	1	238	238
Ice on Lines	1/3/2018	1	17	17
Ice on Lines	1/3/2018	1	107	107
Ice on Lines	1/3/2018	1	110	110

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/3/2018	12	2,796	233
Ice on Lines	1/3/2018	1	276	276
Ice on Lines	1/3/2018	11	8,734	794
Ice on Lines	1/3/2018	10	850	85
Ice on Lines	1/3/2018	1	1	1
Ice on Lines	1/3/2018	11	2,794	254
Ice on Lines	1/3/2018	1	282	282
Ice on Lines	1/3/2018	1	82	82
Ice on Lines	1/3/2018	1	25	25
Ice on Lines	1/3/2018	1	194	194
Ice on Lines	1/3/2018	10	2,870	287
Ice on Lines	1/3/2018	2	178	89
Ice on Lines	1/3/2018	1	63	63
Ice on Lines	1/3/2018	1	243	243
Ice on Lines	1/3/2018	5	1,085	217
Ice on Lines	1/3/2018	4	548	137
Ice on Lines	1/3/2018	5	750	150
Ice on Lines	1/3/2018	1	27	27
Ice on Lines	1/3/2018	2	786	393
Ice on Lines	1/3/2018	47	2,444	52
Ice on Lines	1/3/2018	6	300	50
Ice on Lines	1/3/2018	4	1,504	376
Ice on Lines	1/3/2018	11	2,970	270
Ice on Lines	1/3/2018	1	263	263
Ice on Lines	1/3/2018	8	648	81
Ice on Lines	1/3/2018	1	123	123
Ice on Lines	1/3/2018	1	373	373
Ice on Lines	1/3/2018	10	2,680	268
Ice on Lines	1/3/2018	1	233	233
Ice on Lines	1/3/2018	6	348	58
Ice on Lines	1/3/2018	5	285	57
Ice on Lines	1/3/2018	1	80	80
Ice on Lines	1/3/2018	1	365	365
Ice on Lines	1/3/2018	1	194	194
Ice on Lines	1/3/2018	8	3,064	383
Ice on Lines	1/3/2018	2	266	133
Ice on Lines	1/3/2018	27	6,777	251
Ice on Lines	1/4/2018	396	46,510	202
Ice on Lines	1/4/2018	1	56	56
Ice on Lines	1/4/2018	51	3,878	98
Ice on Lines	1/4/2018	1	98	98
Ice on Lines	1/4/2018	1	569	569
Ice on Lines	1/4/2018	1	570	570
Ice on Lines	1/4/2018	72	5,154	209
Ice on Lines	1/4/2018	28	11,256	402
Ice on Lines	1/4/2018	1	172	172
Ice on Lines	1/4/2018	12	504	42
Ice on Lines	1/4/2018	10	2,940	294
Ice on Lines	1/4/2018	1	219	219
Ice on Lines	1/4/2018	1	229	229
Ice on Lines	1/4/2018	537	537	1
Ice on Lines	1/4/2018	66	11,550	290
Ice on Lines	1/4/2018	38	3,268	86

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/4/2018	21	1,365	65
Ice on Lines	1/4/2018	1,661	69,159	511
Ice on Lines	1/4/2018	13	2,652	204
Ice on Lines	1/4/2018	1	234	234
Ice on Lines	1/4/2018	4	656	164
Ice on Lines	1/4/2018	28	1,652	59
Ice on Lines	1/4/2018	40	15,160	379
Ice on Lines	1/4/2018	7	2,317	331
Ice on Lines	1/4/2018	15	8,010	534
Ice on Lines	1/4/2018	8	2,296	287
Ice on Lines	1/4/2018	34	7,242	213
Ice on Lines	1/4/2018	10	6,030	603
Ice on Lines	1/4/2018	20	1,040	52
Ice on Lines	1/4/2018	41	6,683	163
Ice on Lines	1/4/2018	1,433	88,084	148
Ice on Lines	1/4/2018	90	16,560	184
Ice on Lines	1/4/2018	5	335	67
Ice on Lines	1/4/2018	19	2,926	154
Ice on Lines	1/4/2018	5	408	276
Ice on Lines	1/4/2018	536	25,014	302
Ice on Lines	1/4/2018	127	11,811	93
Ice on Lines	1/4/2018	3	240	80
Ice on Lines	1/4/2018	32	11,232	351
Ice on Lines	1/4/2018	1	40	40
Ice on Lines	1/4/2018	23	5,228	451
Ice on Lines	1/4/2018	5	225	45
Ice on Lines	1/4/2018	7	1,645	235
Ice on Lines	1/4/2018	41	1,681	41
Ice on Lines	1/4/2018	85	3,570	42
Ice on Lines	1/4/2018	7	2,835	405
Ice on Lines	1/4/2018	1	123	123
Ice on Lines	1/4/2018	59	23,069	391
Ice on Lines	1/4/2018	9	1,683	187
Ice on Lines	1/4/2018	48	12,480	260
Ice on Lines	1/4/2018	7	2,240	334
Ice on Lines	1/4/2018	81	22,113	273
Ice on Lines	1/4/2018	30	3,530	123
Ice on Lines	1/4/2018	20	2,327	256
Ice on Lines	1/4/2018	1	325	325
Ice on Lines	1/4/2018	16	512	32
Ice on Lines	1/4/2018	39	5,400	306
Ice on Lines	1/4/2018	1	354	354
Ice on Lines	1/4/2018	3	1,419	473
Ice on Lines	1/4/2018	1	403	403
Ice on Lines	1/4/2018	1	23	23
Ice on Lines	1/4/2018	11	4,950	450
Ice on Lines	1/4/2018	1	39	39
Ice on Lines	1/4/2018	7	1,344	192
Ice on Lines	1/4/2018	12	552	46
Ice on Lines	1/4/2018	2	109	79
Ice on Lines	1/4/2018	1	154	154
Ice on Lines	1/4/2018	20	12,440	622
Ice on Lines	1/4/2018	9	2,097	233

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/4/2018	10	580	58
Ice on Lines	1/4/2018	1	62	62
Ice on Lines	1/4/2018	36	3,800	233
Ice on Lines	1/4/2018	10	4,870	487
Ice on Lines	1/4/2018	5	215	43
Ice on Lines	1/4/2018	1	119	119
Ice on Lines	1/4/2018	4	616	154
Ice on Lines	1/4/2018	9	2,574	286
Ice on Lines	1/4/2018	3	1,497	499
Ice on Lines	1/4/2018	10	2,770	289
Ice on Lines	1/4/2018	1	579	579
Ice on Lines	1/4/2018	4	1,400	350
Ice on Lines	1/4/2018	2,103	6,309	3
Ice on Lines	1/4/2018	44	4,180	95
Ice on Lines	1/4/2018	1	139	139
Ice on Lines	1/4/2018	569	24,136	98
Ice on Lines	1/4/2018	2	480	240
Ice on Lines	1/4/2018	28	7,896	282
Ice on Lines	1/4/2018	7	3,101	443
Ice on Lines	1/4/2018	3	957	319
Ice on Lines	1/4/2018	8	304	38
Ice on Lines	1/4/2018	21	7,350	350
Ice on Lines	1/4/2018	1	133	133
Ice on Lines	1/4/2018	1	132	132
Ice on Lines	1/4/2018	55	7,150	130
Ice on Lines	1/4/2018	5	1,130	226
Ice on Lines	1/4/2018	10	760	76
Ice on Lines	1/4/2018	8	1,424	178
Ice on Lines	1/4/2018	1	19	19
Ice on Lines	1/4/2018	1	265	265
Ice on Lines	1/4/2018	4	1,412	353
Ice on Lines	1/4/2018	1	311	311
Ice on Lines	1/4/2018	119	25,724	400
Ice on Lines	1/4/2018	10	1,960	196
Ice on Lines	1/4/2018	1	50	50
Ice on Lines	1/4/2018	18	4,338	241
Ice on Lines	1/4/2018	5	325	70
Ice on Lines	1/4/2018	89	13,753	157
Ice on Lines	1/4/2018	1	48	48
Ice on Lines	1/4/2018	14	1,752	288
Ice on Lines	1/4/2018	1	249	249
Ice on Lines	1/4/2018	1	401	401
Ice on Lines	1/4/2018	1	150	150
Ice on Lines	1/4/2018	1	47	47
Ice on Lines	1/4/2018	1	314	314
Ice on Lines	1/4/2018	1	240	240
Ice on Lines	1/4/2018	2	70	35
Ice on Lines	1/4/2018	1	541	541
Ice on Lines	1/4/2018	1	473	473
Ice on Lines	1/4/2018	1	723	723
Ice on Lines	1/4/2018	1	244	244
Ice on Lines	1/4/2018	1	350	350
Ice on Lines	1/4/2018	1	401	401

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/4/2018	1	48	48
Ice on Lines	1/4/2018	1	350	350
Ice on Lines	1/4/2018	74	6,142	83
Ice on Lines	1/4/2018	2	442	221
Ice on Lines	1/4/2018	3	786	262
Ice on Lines	1/4/2018	80	10,800	135
Ice on Lines	1/4/2018	1	326	326
Ice on Lines	1/4/2018	10	900	90
Ice on Lines	1/4/2018	1	160	160
Ice on Lines	1/4/2018	3	216	72
Ice on Lines	1/4/2018	1	46	46
Ice on Lines	1/4/2018	1	207	207
Ice on Lines	1/4/2018	3	252	84
Ice on Lines	1/4/2018	54	8,615	246
Ice on Lines	1/4/2018	1	31	31
Ice on Lines	1/4/2018	4	1,604	401
Ice on Lines	1/4/2018	12	1,428	119
Ice on Lines	1/4/2018	25	3,750	302
Ice on Lines	1/4/2018	1	124	124
Ice on Lines	1/4/2018	8	1,416	177
Ice on Lines	1/4/2018	1	87	87
Ice on Lines	1/4/2018	6	2,208	368
Ice on Lines	1/4/2018	1	18	18
Ice on Lines	1/4/2018	1	101	101
Ice on Lines	1/4/2018	7	2,233	319
Ice on Lines	1/4/2018	74	8,492	367
Ice on Lines	1/4/2018	1	59	59
Ice on Lines	1/4/2018	6	2,982	497
Ice on Lines	1/4/2018	325	46,422	331
Ice on Lines	1/4/2018	1	226	226
Ice on Lines	1/4/2018	7	126	18
Ice on Lines	1/4/2018	10	2,010	201
Ice on Lines	1/4/2018	1	68	68
Ice on Lines	1/4/2018	4	1,124	281
Ice on Lines	1/4/2018	13	3,278	418
Ice on Lines	1/4/2018	4	452	113
Ice on Lines	1/4/2018	1	75	75
Ice on Lines	1/4/2018	43	23,236	544
Ice on Lines	1/4/2018	2	1,084	542
Ice on Lines	1/4/2018	6	870	145
Ice on Lines	1/4/2018	10	2,610	261
Ice on Lines	1/4/2018	9	2,844	316
Ice on Lines	1/4/2018	35	8,480	628
Ice on Lines	1/4/2018	10	1,020	102
Ice on Lines	1/4/2018	1	129	129
Ice on Lines	1/4/2018	1	560	560
Ice on Lines	1/4/2018	21	4,459	219
Ice on Lines	1/4/2018	3	456	152
Ice on Lines	1/4/2018	33	3,823	260
Ice on Lines	1/4/2018	15	3,735	249
Ice on Lines	1/4/2018	1	61	61
Ice on Lines	1/4/2018	8	3,504	438
Ice on Lines	1/4/2018	11	2,265	399

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/4/2018	4	355	232
Ice on Lines	1/4/2018	4	1,160	290
Ice on Lines	1/4/2018	9	666	74
Ice on Lines	1/4/2018	1	14	14
Ice on Lines	1/4/2018	2	336	168
Ice on Lines	1/4/2018	5	1,595	319
Ice on Lines	1/4/2018	4	728	182
Ice on Lines	1/4/2018	1	257	257
Ice on Lines	1/4/2018	6	210	35
Ice on Lines	1/4/2018	8	2,440	305
Ice on Lines	1/4/2018	19	3,443	236
Ice on Lines	1/4/2018	1	326	326
Ice on Lines	1/4/2018	54	8,368	427
Ice on Lines	1/4/2018	9	927	103
Ice on Lines	1/4/2018	10	830	83
Ice on Lines	1/4/2018	1	332	332
Ice on Lines	1/4/2018	1	247	247
Ice on Lines	1/4/2018	1	335	335
Ice on Lines	1/4/2018	1	376	376
Ice on Lines	1/4/2018	1	43	43
Ice on Lines	1/4/2018	20	3,618	229
Ice on Lines	1/4/2018	30	22,470	749
Ice on Lines	1/4/2018	1	27	27
Ice on Lines	1/4/2018	1	24	24
Ice on Lines	1/4/2018	1	335	335
Ice on Lines	1/4/2018	4	264	66
Ice on Lines	1/4/2018	1	70	70
Ice on Lines	1/4/2018	41	16,785	448
Ice on Lines	1/4/2018	4	2,336	584
Ice on Lines	1/4/2018	18	2,682	149
Ice on Lines	1/4/2018	8	4,088	511
Ice on Lines	1/4/2018	1	134	134
Ice on Lines	1/4/2018	1	354	354
Ice on Lines	1/4/2018	4	608	152
Ice on Lines	1/4/2018	2	514	257
Ice on Lines	1/4/2018	52	9,956	469
Ice on Lines	1/4/2018	5	1,465	293
Ice on Lines	1/4/2018	17	204	12
Ice on Lines	1/4/2018	34	5,926	582
Ice on Lines	1/4/2018	45	9,371	381
Ice on Lines	1/4/2018	22	9,064	412
Ice on Lines	1/4/2018	5	625	125
Ice on Lines	1/4/2018	28	2,072	74
Ice on Lines	1/4/2018	2	494	247
Ice on Lines	1/4/2018	4	500	125
Ice on Lines	1/4/2018	1	353	353
Ice on Lines	1/4/2018	7	875	125
Ice on Lines	1/4/2018	5	665	133
Ice on Lines	1/4/2018	11	616	56
Ice on Lines	1/4/2018	1	119	119
Ice on Lines	1/4/2018	6	840	140
Ice on Lines	1/4/2018	4	524	131
Ice on Lines	1/4/2018	6	108	18

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/4/2018	4	2,816	704
Ice on Lines	1/4/2018	1	410	410
Ice on Lines	1/4/2018	8	2,952	369
Ice on Lines	1/4/2018	1	59	59
Ice on Lines	1/4/2018	12	468	39
Ice on Lines	1/4/2018	8	1,808	226
Ice on Lines	1/4/2018	10	210	21
Ice on Lines	1/4/2018	1	314	314
Ice on Lines	1/4/2018	40	8,893	334
Ice on Lines	1/4/2018	12	3,048	254
Ice on Lines	1/4/2018	4	160	40
Ice on Lines	1/4/2018	9	855	95
Ice on Lines	1/4/2018	4	2,268	567
Ice on Lines	1/4/2018	11	6,094	554
Ice on Lines	1/4/2018	2	108	54
Ice on Lines	1/4/2018	7	1,862	266
Ice on Lines	1/4/2018	11	231	21
Ice on Lines	1/4/2018	1	517	517
Ice on Lines	1/4/2018	57	5,757	101
Ice on Lines	1/4/2018	1	180	180
Ice on Lines	1/4/2018	10	4,290	429
Ice on Lines	1/4/2018	8	3,248	406
Ice on Lines	1/4/2018	2	252	126
Ice on Lines	1/4/2018	6	192	32
Ice on Lines	1/4/2018	21	4,358	362
Ice on Lines	1/4/2018	22	7,182	651
Ice on Lines	1/4/2018	4	464	116
Ice on Lines	1/4/2018	2	156	78
Ice on Lines	1/4/2018	10	4,440	444
Ice on Lines	1/4/2018	1	49	49
Ice on Lines	1/4/2018	52	7,735	325
Ice on Lines	1/4/2018	1	100	100
Ice on Lines	1/4/2018	36	7,368	390
Ice on Lines	1/4/2018	12	3,492	291
Ice on Lines	1/4/2018	1	60	60
Ice on Lines	1/4/2018	14	728	52
Ice on Lines	1/4/2018	35	4,936	293
Ice on Lines	1/4/2018	6	918	153
Ice on Lines	1/4/2018	20	2,820	141
Ice on Lines	1/4/2018	6	1,308	218
Ice on Lines	1/4/2018	1	245	245
Ice on Lines	1/4/2018	31	7,476	438
Ice on Lines	1/4/2018	7	2,128	304
Ice on Lines	1/4/2018	19	4,237	223
Ice on Lines	1/4/2018	1	41	41
Ice on Lines	1/4/2018	1	52	52
Ice on Lines	1/4/2018	62	14,254	446
Ice on Lines	1/4/2018	55	2,806	52
Ice on Lines	1/4/2018	43	6,794	158
Ice on Lines	1/4/2018	35	8,352	546
Ice on Lines	1/4/2018	8	4,464	558
Ice on Lines	1/4/2018	78	23,898	595
Ice on Lines	1/4/2018	2	1,222	611

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/4/2018	15	1,290	86
Ice on Lines	1/4/2018	6	120	20
Ice on Lines	1/4/2018	16	3,424	214
Ice on Lines	1/4/2018	1	44	44
Ice on Lines	1/4/2018	8	5,136	642
Ice on Lines	1/4/2018	1	111	111
Ice on Lines	1/4/2018	1	381	381
Ice on Lines	1/4/2018	7	3,003	429
Ice on Lines	1/4/2018	17	1,989	117
Ice on Lines	1/4/2018	1	347	347
Ice on Lines	1/4/2018	21	6,648	476
Ice on Lines	1/4/2018	4	32	8
Ice on Lines	1/4/2018	10	530	53
Ice on Lines	1/4/2018	3	231	77
Ice on Lines	1/4/2018	11	924	84
Ice on Lines	1/4/2018	2	12	6
Ice on Lines	1/4/2018	4	480	120
Ice on Lines	1/4/2018	8	144	18
Ice on Lines	1/4/2018	9	378	42
Ice on Lines	1/4/2018	1	133	133
Ice on Lines	1/4/2018	1	21	21
Ice on Lines	1/4/2018	1	40	40
Ice on Lines	1/4/2018	1	230	230
Ice on Lines	1/4/2018	1	193	193
Ice on Lines	1/4/2018	1	342	342
Ice on Lines	1/4/2018	21	8,526	406
Ice on Lines	1/4/2018	4	128	32
Ice on Lines	1/4/2018	1	345	345
Ice on Lines	1/4/2018	48	20,525	720
Ice on Lines	1/4/2018	1	22	22
Ice on Lines	1/4/2018	2	562	281
Ice on Lines	1/4/2018	1	345	345
Ice on Lines	1/4/2018	17	6,851	403
Ice on Lines	1/4/2018	4	212	53
Ice on Lines	1/4/2018	20	3,214	393
Ice on Lines	1/4/2018	24	5,640	235
Ice on Lines	1/4/2018	20	4,324	563
Ice on Lines	1/4/2018	1	249	249
Ice on Lines	1/4/2018	11	2,607	237
Ice on Lines	1/4/2018	5	1,860	372
Ice on Lines	1/4/2018	4	120	30
Ice on Lines	1/4/2018	1	74	74
Ice on Lines	1/4/2018	8	3,920	490
Ice on Lines	1/4/2018	18	1,710	95
Ice on Lines	1/4/2018	1	217	217
Ice on Lines	1/4/2018	1	54	54
Ice on Lines	1/4/2018	12	1,116	93
Ice on Lines	1/4/2018	1	257	257
Ice on Lines	1/4/2018	7	49	7
Ice on Lines	1/4/2018	21	3,213	153
Ice on Lines	1/4/2018	7	4,123	589
Ice on Lines	1/4/2018	21	3,213	153
Ice on Lines	1/4/2018	1	373	373

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/4/2018	1	244	244
Ice on Lines	1/4/2018	1	458	458
Ice on Lines	1/4/2018	15	600	40
Ice on Lines	1/4/2018	1	61	61
Ice on Lines	1/4/2018	6	594	99
Ice on Lines	1/4/2018	10	1,370	137
Ice on Lines	1/4/2018	9	576	64
Ice on Lines	1/4/2018	1	191	191
Ice on Lines	1/4/2018	5	160	32
Ice on Lines	1/4/2018	1	162	162
Ice on Lines	1/4/2018	1	634	634
Ice on Lines	1/4/2018	1	287	287
Ice on Lines	1/4/2018	17	4,632	504
Ice on Lines	1/4/2018	2	190	95
Ice on Lines	1/4/2018	1	224	224
Ice on Lines	1/4/2018	4	112	28
Ice on Lines	1/4/2018	14	2,520	180
Ice on Lines	1/4/2018	1	223	223
Ice on Lines	1/4/2018	1	80	80
Ice on Lines	1/4/2018	1	283	283
Ice on Lines	1/4/2018	1	517	517
Ice on Lines	1/4/2018	1	251	251
Ice on Lines	1/4/2018	1	139	139
Ice on Lines	1/4/2018	1	643	643
Ice on Lines	1/4/2018	5	180	36
Ice on Lines	1/4/2018	17	4,958	711
Ice on Lines	1/4/2018	1	30	30
Ice on Lines	1/4/2018	1	237	237
Ice on Lines	1/4/2018	1	502	502
Ice on Lines	1/4/2018	1	401	401
Ice on Lines	1/4/2018	1	296	296
Ice on Lines	1/4/2018	1	93	93
Ice on Lines	1/4/2018	8	5,744	718
Ice on Lines	1/4/2018	25	9,800	641
Ice on Lines	1/4/2018	15	9,105	607
Ice on Lines	1/4/2018	4	3,428	857
Ice on Lines	1/4/2018	1	508	508
Ice on Lines	1/4/2018	4	1,532	383
Ice on Lines	1/4/2018	1	9	9
Ice on Lines	1/4/2018	1	194	194
Ice on Lines	1/4/2018	2	38	19
Ice on Lines	1/4/2018	7	1,694	242
Ice on Lines	1/4/2018	4	80	20
Ice on Lines	1/4/2018	2	340	170
Ice on Lines	1/4/2018	1	36	36
Ice on Lines	1/4/2018	1	25	25
Ice on Lines	1/4/2018	1	51	51
Ice on Lines	1/4/2018	16	1,728	108
Ice on Lines	1/4/2018	1	38	38
Ice on Lines	1/4/2018	1	122	122
Ice on Lines	1/4/2018	7	3,752	536
Ice on Lines	1/4/2018	2	142	71
Ice on Lines	1/4/2018	1	185	185

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/4/2018	1	156	156
Ice on Lines	1/4/2018	23	4,066	475
Ice on Lines	1/4/2018	6	252	42
Ice on Lines	1/4/2018	1	13	13
Ice on Lines	1/4/2018	1	524	524
Ice on Lines	1/4/2018	12	852	71
Ice on Lines	1/4/2018	9	3,753	417
Ice on Lines	1/4/2018	1	43	43
Ice on Lines	1/4/2018	1	179	179
Ice on Lines	1/4/2018	7	280	40
Ice on Lines	1/4/2018	5	1,115	223
Ice on Lines	1/4/2018	11	264	24
Ice on Lines	1/4/2018	2	114	57
Ice on Lines	1/4/2018	2	196	98
Ice on Lines	1/4/2018	1	346	346
Ice on Lines	1/4/2018	1	23	23
Ice on Lines	1/4/2018	3	423	141
Ice on Lines	1/4/2018	1	407	407
Ice on Lines	1/4/2018	6	90	15
Ice on Lines	1/4/2018	1	225	225
Ice on Lines	1/4/2018	1	379	379
Ice on Lines	1/4/2018	2	618	563
Ice on Lines	1/4/2018	11	5,423	493
Ice on Lines	1/4/2018	1	127	127
Ice on Lines	1/4/2018	1	32	32
Ice on Lines	1/4/2018	1	255	255
Ice on Lines	1/4/2018	1	35	35
Ice on Lines	1/4/2018	2	490	245
Ice on Lines	1/4/2018	11	2,321	211
Ice on Lines	1/4/2018	1	243	243
Ice on Lines	1/4/2018	1	245	245
Ice on Lines	1/4/2018	16	1,520	95
Ice on Lines	1/4/2018	1	274	274
Ice on Lines	1/4/2018	1	258	258
Ice on Lines	1/4/2018	1	129	129
Ice on Lines	1/4/2018	3	513	171
Ice on Lines	1/4/2018	1	114	114
Ice on Lines	1/4/2018	1	11	11
Ice on Lines	1/4/2018	1	264	264
Ice on Lines	1/4/2018	1	20,241	20,241
Ice on Lines	1/4/2018	1	32	32
Ice on Lines	1/4/2018	20	1,140	57
Ice on Lines	1/4/2018	9	99	11
Ice on Lines	1/4/2018	32	5,567	514
Ice on Lines	1/4/2018	1	404	404
Ice on Lines	1/4/2018	12	2,064	172
Ice on Lines	1/4/2018	7	616	88
Ice on Lines	1/4/2018	1	23	23
Ice on Lines	1/4/2018	13	910	70
Ice on Lines	1/4/2018	9	1,098	122
Ice on Lines	1/4/2018	1	115	115
Ice on Lines	1/4/2018	4	1,108	277
Ice on Lines	1/4/2018	1	83	83

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/4/2018	4	380	95
Ice on Lines	1/4/2018	5	2,555	511
Ice on Lines	1/4/2018	3	579	193
Ice on Lines	1/4/2018	1	208	208
Ice on Lines	1/4/2018	1	223	223
Ice on Lines	1/4/2018	15	4,410	294
Ice on Lines	1/4/2018	16	2,464	154
Ice on Lines	1/4/2018	8	1,072	134
Ice on Lines	1/4/2018	27	4,906	324
Ice on Lines	1/4/2018	4	24	6
Ice on Lines	1/4/2018	1	62	62
Ice on Lines	1/4/2018	6	3,966	661
Ice on Lines	1/4/2018	1	94	94
Ice on Lines	1/4/2018	1	94	94
Ice on Lines	1/4/2018	1	229	229
Ice on Lines	1/4/2018	11	308	28
Ice on Lines	1/4/2018	2	438	219
Ice on Lines	1/4/2018	17	2,312	136
Ice on Lines	1/4/2018	1	214	214
Ice on Lines	1/4/2018	95	19,400	275
Ice on Lines	1/4/2018	5	195	39
Ice on Lines	1/4/2018	10	430	43
Ice on Lines	1/4/2018	6	918	153
Ice on Lines	1/4/2018	9	684	76
Ice on Lines	1/4/2018	1	27	27
Ice on Lines	1/4/2018	3	312	104
Ice on Lines	1/4/2018	5	320	64
Ice on Lines	1/4/2018	1	240	240
Ice on Lines	1/4/2018	1	48	48
Ice on Lines	1/4/2018	507	74,022	146
Ice on Lines	1/4/2018	18	270	15
Ice on Lines	1/4/2018	1	256	256
Ice on Lines	1/4/2018	8	192	24
Ice on Lines	1/4/2018	24	3,615	235
Ice on Lines	1/4/2018	3	54	18
Ice on Lines	1/4/2018	19	228	12
Ice on Lines	1/4/2018	16	320	20
Ice on Lines	1/4/2018	8	288	36
Ice on Lines	1/4/2018	5	1,050	210
Ice on Lines	1/4/2018	14	336	24
Ice on Lines	1/4/2018	52	5,668	109
Ice on Lines	1/4/2018	1	36	36
Ice on Lines	1/4/2018	7	385	55
Ice on Lines	1/4/2018	1	274	274
Ice on Lines	1/4/2018	5	1,480	296
Ice on Lines	1/4/2018	3	126	42
Ice on Lines	1/4/2018	1	57	57
Ice on Lines	1/4/2018	1	597	597
Ice on Lines	1/4/2018	1	151	151
Ice on Lines	1/4/2018	1	27	27
Ice on Lines	1/4/2018	1	29	29
Ice on Lines	1/4/2018	1	268	268
Ice on Lines	1/4/2018	2	112	56

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/4/2018	4	176	44
Ice on Lines	1/4/2018	9	126	54
Ice on Lines	1/4/2018	10	440	44
Ice on Lines	1/4/2018	13	702	54
Ice on Lines	1/4/2018	1	122	122
Ice on Lines	1/4/2018	1	165	165
Ice on Lines	1/4/2018	1	83	83
Ice on Lines	1/4/2018	2	196	98
Ice on Lines	1/4/2018	4	936	414
Ice on Lines	1/4/2018	1	16	16
Ice on Lines	1/4/2018	1	30	30
Ice on Lines	1/4/2018	1	106	106
Ice on Lines	1/4/2018	1	366	366
Ice on Lines	1/4/2018	1	69	69
Ice on Lines	1/4/2018	736	1,472	2
Ice on Lines	1/4/2018	1	50	50
Ice on Lines	1/4/2018	1	7	7
Ice on Lines	1/4/2018	2	168	84
Ice on Lines	1/4/2018	1	83	83
Ice on Lines	1/4/2018	2	670	335
Ice on Lines	1/4/2018	9	621	69
Ice on Lines	1/4/2018	1	61	61
Ice on Lines	1/4/2018	55	2,915	53
Ice on Lines	1/4/2018	12	1,860	155
Ice on Lines	1/4/2018	1	579	579
Ice on Lines	1/4/2018	1	107	107
Ice on Lines	1/4/2018	2	60	30
Ice on Lines	1/4/2018	4	68	17
Ice on Lines	1/4/2018	6	828	138
Ice on Lines	1/4/2018	5	135	27
Ice on Lines	1/4/2018	1	47	47
Ice on Lines	1/4/2018	1	261	261
Ice on Lines	1/4/2018	1	630	630
Ice on Lines	1/4/2018	1	257	257
Ice on Lines	1/4/2018	8	280	35
Ice on Lines	1/4/2018	2	520	260
Ice on Lines	1/4/2018	8	216	27
Ice on Lines	1/4/2018	4	188	47
Ice on Lines	1/4/2018	1	169	169
Ice on Lines	1/4/2018	1	171	171
Ice on Lines	1/4/2018	1	152	152
Ice on Lines	1/4/2018	28	2,324	83
Ice on Lines	1/4/2018	1	406	406
Ice on Lines	1/4/2018	10	3,080	308
Ice on Lines	1/4/2018	1	108	108
Ice on Lines	1/4/2018	1	27	27
Ice on Lines	1/4/2018	1	237	237
Ice on Lines	1/4/2018	45	8,073	204
Ice on Lines	1/4/2018	1	304	304
Ice on Lines	1/4/2018	3	360	120
Ice on Lines	1/4/2018	9	612	68
Ice on Lines	1/4/2018	1	273	273
Ice on Lines	1/4/2018	38	4,180	110

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/4/2018	1	100	100
Ice on Lines	1/4/2018	1	152	152
Ice on Lines	1/4/2018	6	2,310	385
Ice on Lines	1/4/2018	8	1,992	249
Ice on Lines	1/4/2018	5	130	26
Ice on Lines	1/4/2018	6	162	27
Ice on Lines	1/4/2018	1	410	410
Ice on Lines	1/4/2018	2	408	204
Ice on Lines	1/4/2018	1	9	9
Ice on Lines	1/4/2018	12	2,580	215
Ice on Lines	1/4/2018	1	131	131
Ice on Lines	1/4/2018	8	3,616	452
Ice on Lines	1/4/2018	4	704	176
Ice on Lines	1/4/2018	1	69	69
Ice on Lines	1/4/2018	2	22	11
Ice on Lines	1/4/2018	7	2,303	338
Ice on Lines	1/4/2018	6	570	95
Ice on Lines	1/4/2018	988	33,024	93
Ice on Lines	1/4/2018	1	384	384
Ice on Lines	1/4/2018	1	170	170
Ice on Lines	1/4/2018	32	3,908	228
Ice on Lines	1/4/2018	3	156	52
Ice on Lines	1/4/2018	13	1,586	122
Ice on Lines	1/4/2018	12	252	21
Ice on Lines	1/4/2018	11	2,134	194
Ice on Lines	1/4/2018	4	140	35
Ice on Lines	1/4/2018	1	78	78
Ice on Lines	1/4/2018	1	110	110
Ice on Lines	1/4/2018	2	76	38
Ice on Lines	1/4/2018	1	66	66
Ice on Lines	1/4/2018	6	1,968	328
Ice on Lines	1/4/2018	1	368	368
Ice on Lines	1/4/2018	11	737	67
Ice on Lines	1/4/2018	10	1,350	135
Ice on Lines	1/4/2018	4	600	150
Ice on Lines	1/4/2018	1	25	25
Ice on Lines	1/4/2018	7	1,106	158
Ice on Lines	1/4/2018	1	203	203
Ice on Lines	1/4/2018	10	1,150	115
Ice on Lines	1/4/2018	6	2,268	378
Ice on Lines	1/4/2018	3	237	79
Ice on Lines	1/4/2018	36	2,628	73
Ice on Lines	1/4/2018	10	2,620	262
Ice on Lines	1/4/2018	39	1,989	51
Ice on Lines	1/4/2018	1	114	114
Ice on Lines	1/4/2018	4	544	136
Ice on Lines	1/4/2018	7	357	51
Ice on Lines	1/4/2018	2	108	54
Ice on Lines	1/4/2018	16	2,128	133
Ice on Lines	1/4/2018	3	180	60
Ice on Lines	1/4/2018	11	1,463	133
Ice on Lines	1/4/2018	13	4,537	438
Ice on Lines	1/4/2018	9	2,538	282

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/4/2018	1	43	43
Ice on Lines	1/4/2018	142	35,074	247
Ice on Lines	1/4/2018	14	3,430	245
Ice on Lines	1/4/2018	1	228	228
Ice on Lines	1/4/2018	6	1,140	190
Ice on Lines	1/4/2018	4	364	91
Ice on Lines	1/4/2018	14	4,732	338
Ice on Lines	1/4/2018	2	244	122
Ice on Lines	1/4/2018	1	116	116
Ice on Lines	1/4/2018	1	383	383
Ice on Lines	1/4/2018	12	156	13
Ice on Lines	1/4/2018	6	2,352	392
Ice on Lines	1/4/2018	1	12	12
Ice on Lines	1/4/2018	32	10,976	343
Ice on Lines	1/4/2018	1	402	402
Ice on Lines	1/4/2018	3	45	15
Ice on Lines	1/4/2018	19	5,225	275
Ice on Lines	1/4/2018	9	1,062	118
Ice on Lines	1/4/2018	5	445	89
Ice on Lines	1/4/2018	53	5,902	123
Ice on Lines	1/4/2018	13	4,069	313
Ice on Lines	1/4/2018	2,271	218,175	202
Tornado	4/10/2018	8	2,512	314
Tornado	4/10/2018	24	9,444	641
Tornado	4/10/2018	10	3,230	323
Tornado	4/10/2018	7	840	120
Tornado	4/10/2018	9	1,881	209
Tornado	4/10/2018	23	12,420	540
Tornado	4/10/2018	4	1,360	340
Tornado	4/10/2018	8	3,312	414
Tornado	4/10/2018	52	4,576	88
Tornado	4/10/2018	1	363	363
Tornado	4/10/2018	3	993	331
Tornado	4/10/2018	43	5,719	133
Tornado	4/10/2018	9	6,012	668
Tornado	4/10/2018	1	211	211
Tornado	4/10/2018	161	6,601	41
Tornado	4/10/2018	6	684	114
Tornado	4/10/2018	4	680	170
Tornado	4/10/2018	1	72	72
Tornado	4/10/2018	34	6,635	486
Tornado	4/10/2018	1	3	3
Tornado	4/10/2018	1	94	94
Tornado	4/10/2018	1	379	379
Tornado	4/10/2018	1	44	44
Tornado	4/10/2018	8	456	57
Tornado	4/10/2018	1	193	193
Tornado	4/10/2018	23	6,463	281
Tornado	4/10/2018	1	61	61
Tornado	4/10/2018	1	262	262
Tornado	4/10/2018	1	148	148
Tornado	4/10/2018	6	738	123
Tornado	4/10/2018	27	2,322	86

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	4/10/2018	3	132	44
Tornado	4/10/2018	23	368	16
Tornado	4/10/2018	12	588	49
Tornado	4/10/2018	16	1,568	98
Tornado	4/10/2018	5	175	35
Tornado	4/10/2018	1	65	65
Tornado	4/10/2018	1	131	131
Tornado	4/10/2018	8	392	49
Tornado	4/10/2018	1	108	108
Tornado	4/10/2018	2	80	40
Tornado	4/10/2018	8	1,264	158
Tornado	4/10/2018	1	165	165
Tornado	4/10/2018	3	294	98
Tornado	4/10/2018	1	106	106
Tornado	4/10/2018	32	1,920	60
Tornado	4/10/2018	9	1,413	157
Tornado	4/10/2018	5	45	9
Tornado	4/10/2018	9	1,926	214
Tornado	4/10/2018	108	8,748	81
Tornado	4/10/2018	8	1,968	246
Tornado	4/10/2018	3	318	106
Tornado	4/10/2018	1	609	609
Tornado	4/10/2018	1	157	157
Tornado	4/10/2018	6	414	69
Tornado	4/10/2018	5	315	63
Tornado	4/10/2018	1	259	259
Tornado	4/10/2018	1	93	93
Tornado	4/10/2018	4	128	32
Tornado	4/10/2018	3	24	8
Tornado	4/10/2018	2	412	206
Tornado	4/10/2018	26	1,950	75
Tornado	4/10/2018	8	336	42
Tornado	4/10/2018	1	215	215
Tornado	4/10/2018	4	292	73
Tornado	4/10/2018	3	372	124
Tornado	4/10/2018	1	9	9
Tornado	4/10/2018	6	570	95
Tornado	4/10/2018	3	300	100
Tornado	4/10/2018	3	176	98
Tornado	4/10/2018	37	111	3
Tornado	4/10/2018	12	864	486
Tornado	4/10/2018	9	981	109
Tornado	4/10/2018	5	20	4
Tornado	4/10/2018	11	792	72
Tornado	4/10/2018	36	3,168	88
Tornado	4/10/2018	18	36	2
Tornado	4/10/2018	12	252	21
Tornado	4/10/2018	1	75	75
Tornado	4/10/2018	1	661	661
Tornado	4/10/2018	4	1,108	277
Tornado	4/10/2018	1	58	58
Tornado	4/10/2018	1	520	520
Tornado	4/10/2018	34	2,176	64

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	4/10/2018	1	158	158
Tornado	4/10/2018	1	67	67
Tornado	4/10/2018	4	648	162
Tornado	4/10/2018	1	34	34
Tornado	4/10/2018	1	430	430
Tornado	4/10/2018	30	17,841	621
Tornado	4/10/2018	6	1,746	291
Tornado	4/10/2018	10	570	57
Tornado	4/10/2018	6	312	52
Tornado	4/10/2018	12	444	37
Tornado	4/10/2018	4	652	163
Tornado	4/10/2018	6	270	45
Tornado	4/10/2018	1	62	62
Tornado	4/10/2018	4	1,336	334
Tornado	4/10/2018	30	3,060	102
Tornado	4/10/2018	7	609	87
Tornado	4/10/2018	2	116	58
Tornado	4/10/2018	1	2	2
Tornado	4/10/2018	1	542	542
Tornado	4/10/2018	12	852	71
Tornado	4/10/2018	3	321	107
Tornado	4/10/2018	1	88	88
Tornado	4/10/2018	27	1,269	47
Tornado	4/10/2018	4	428	107
Tornado	4/10/2018	9	5,301	589
Tornado	4/10/2018	13	1,599	123
Tornado	4/10/2018	3	294	98
Tornado	4/10/2018	8	176	22
Tornado	4/10/2018	3	267	89
Tornado	4/10/2018	3	42	14
Tornado	4/10/2018	60	3,660	61
Tornado	4/10/2018	5	55	11
Tornado	4/10/2018	4	140	35
Tornado	4/10/2018	11	3,377	307
Tornado	4/10/2018	30	3,480	116
Tornado	4/10/2018	2	60	30
Tornado	4/10/2018	11	1,353	123
Tornado	4/10/2018	9	4,095	455
Tornado	4/10/2018	10	550	55
Tornado	4/10/2018	7	259	37
Tornado	4/10/2018	5	935	187
Tornado	4/10/2018	37	2,775	75
Tornado	4/10/2018	3	879	293
Tornado	4/10/2018	1	282	282
Tornado	4/10/2018	16	1,696	106
Tornado	4/10/2018	24	2,184	91
Tornado	4/10/2018	1	56	56
Tornado	4/10/2018	1	259	259
Tornado	4/10/2018	9	594	66
Tornado	4/10/2018	20	6,340	317
Tornado	4/10/2018	1	94	94
Tornado	4/10/2018	13	1,001	77
Tornado	4/10/2018	20	4,180	209

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	4/10/2018	2	118	59
Tornado	4/10/2018	3	1,716	572
Tornado	4/10/2018	5	240	48
Tornado	4/10/2018	421	24,814	96
Tornado	4/10/2018	94	16,272	353
Tornado	4/10/2018	2,193	52,265	106
Tornado	4/10/2018	9	504	56
Tornado	4/10/2018	4	1,912	478
Tornado	4/10/2018	7	42	6
Tornado	4/10/2018	2	500	250
Tornado	4/10/2018	1	51	51
Tornado	4/10/2018	6	924	154
Tornado	4/10/2018	1	175	175
Tornado	4/10/2018	10	530	53
Tornado	4/10/2018	24	5,112	213
Tornado	4/10/2018	12	5,376	648
Tornado	4/10/2018	1	150	150
Tornado	4/10/2018	60	13,560	226
Tornado	4/10/2018	15	11,190	746
Tornado	4/10/2018	1	218	218
Tornado	4/10/2018	1	98	98
Tornado	4/10/2018	8	120	15
Tornado	4/10/2018	82	9,250	243
Tornado	4/10/2018	2	416	208
Tornado	4/10/2018	50	6,600	132
Tornado	4/10/2018	139	18,209	131
Tornado	4/10/2018	32	5,632	176
Tornado	4/10/2018	2	264	132
Tornado	4/10/2018	6	858	143
Tornado	4/10/2018	28	3,864	138
Tornado	4/10/2018	51	12,444	244
Tornado	4/10/2018	1	99	99
Tornado	4/10/2018	26	8,034	309
Tornado	4/10/2018	4	1,152	288
Tornado	4/10/2018	628	13,101	114
Tornado	4/10/2018	76	11,248	148
Tornado	4/10/2018	13	3,640	280
Tornado	4/10/2018	1	236	236
Tornado	4/10/2018	1,932	78,336	293
Tornado	4/10/2018	1	126	126
Tornado	4/10/2018	1	122	122
Tornado	4/10/2018	1	37	37
Tornado	4/10/2018	2	128	64
Tornado	4/10/2018	2,947	8,841	3
Tornado	4/10/2018	4	1,740	435
Tornado	4/10/2018	16	5,264	329
Tornado	4/10/2018	26	1,690	65
Tornado	4/10/2018	7	1,519	217
Tornado	4/10/2018	5	1,845	369
Tornado	4/10/2018	5	2,010	402
Tornado	4/10/2018	1	88	88
Tornado	4/10/2018	11	4,598	530
Tornado	4/10/2018	6	1,128	188

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	4/10/2018	12	2,172	181
Tornado	4/10/2018	118	9,322	79
Tornado	4/10/2018	54	3,834	71
Tornado	4/10/2018	21	6,258	298
Tornado	4/10/2018	1	9	159
Tornado	4/10/2018	1	61	61
Tornado	4/10/2018	2,833	104,790	42
Tornado	4/10/2018	1,122	5,610	5
Tornado	4/10/2018	12	2,028	169
Tornado	4/10/2018	12	1,008	84
Tornado	4/10/2018	1	12	12
Tornado	4/10/2018	2,235	71,050	33
Tornado	4/10/2018	7	2,856	408
Tornado	4/10/2018	1	106	106
Tornado	4/10/2018	1,284	188,547	292
Tornado	4/10/2018	11	1,474	134
Tornado	4/10/2018	1,263	70,843	271
Tornado	4/10/2018	9	153	17
Tornado	4/10/2018	3	993	331
Tornado	4/10/2018	11	2,508	228
Tornado	4/10/2018	6	684	114
Tornado	4/10/2018	56	4,424	79
Tornado	4/10/2018	1	120	120
Tornado	4/10/2018	17	5,202	306
Tornado	4/10/2018	1	102	102
Tornado	4/10/2018	1	224	224
Tornado	4/10/2018	6	1,254	209
Tornado	4/10/2018	1	154	154
Tornado	4/10/2018	2	394	197
Tornado	4/10/2018	1,534	181,012	118
Tornado	4/10/2018	600	31,248	76
Tornado	4/10/2018	6	1,554	259
Tornado	4/10/2018	4	1,948	487
Tornado	4/10/2018	6	2,064	344
Tornado	4/10/2018	3	510	170
Tornado	4/10/2018	1	192	192
Tornado	4/10/2018	1	197	197
Tornado	4/10/2018	148	10,508	71
Tornado	4/10/2018	1	116	116
Tornado	4/10/2018	18	3,186	177
Tornado	4/10/2018	11	770	70
Tornado	4/10/2018	122	10,980	90
Tornado	4/10/2018	6	750	125
Tornado	4/10/2018	4	1,000	250
Tornado	4/10/2018	33	3,038	94
Tornado	4/10/2018	10	1,190	119
Tornado	4/10/2018	1	25	25
Tornado	4/10/2018	8	904	113
Tornado	4/10/2018	7	1,176	168
Tornado	4/10/2018	27	4,617	171
Tornado	4/10/2018	8	2,136	267
Tornado	4/10/2018	25	2,025	81
Tornado	4/10/2018	39	9,516	244

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	4/10/2018	7	1,141	163
Tornado	4/10/2018	4	332	83
Tornado	4/10/2018	10	520	52
Tornado	4/10/2018	25	4,450	178
Tornado	4/10/2018	1	202	202
Tornado	4/10/2018	1	213	213
Tornado	4/10/2018	561	3,927	7
Tornado	4/10/2018	1	190	190
Tornado	4/10/2018	43	8,385	195
Tornado	4/10/2018	46	8,326	181
Tornado	4/10/2018	162	39,114	263
Tornado	4/10/2018	3	351	117
Tornado	4/10/2018	9	468	52
Tornado	4/10/2018	11	814	74
Tornado	4/10/2018	66	11,484	174
Tornado	4/10/2018	1	126	126
Tornado	4/10/2018	2	1,034	517
Tornado	4/10/2018	5	740	148
Tornado	4/10/2018	13	2,379	183
Tornado	4/10/2018	168	47,208	281
Tornado	4/10/2018	10	3,090	309
Tornado	4/10/2018	12	4,080	340
Tornado	4/10/2018	1,540	257,927	212
Tornado	4/10/2018	14	2,100	150
Tornado	4/10/2018	11	2,156	196
Tornado	4/10/2018	15	1,995	133
Tornado	4/10/2018	91	19,747	217
Tornado	4/10/2018	2,465	85,158	244
Tornado	4/10/2018	8	2,800	350
Tornado	4/10/2018	3	1,008	336
Tornado	4/10/2018	1	99	99
Tornado	4/10/2018	12	1,740	145
Tornado	4/10/2018	163	29,340	180
Tornado	4/10/2018	1	311	311
Tornado	4/10/2018	12	3,756	313
Tornado	4/10/2018	71	12,851	181
Tornado	4/10/2018	179	27,566	154
Tornado	4/10/2018	41	15,375	375
Tornado	4/10/2018	12	5,856	488
Tornado	4/10/2018	111	24,198	218
Tornado	4/10/2018	8	1,680	210
Tornado	4/10/2018	2,298	81,431	232
Tornado	4/10/2018	66	34,848	528
Tornado	4/10/2018	4	1,392	348
Tornado	4/10/2018	53	15,105	285
Tornado	4/10/2018	17	4,828	284
Tornado	4/10/2018	9	1,008	112
Tornado	4/10/2018	1,719	125,581	89
Tornado	4/10/2018	48	5,136	107
Tornado	4/10/2018	115	12,420	108
Tornado	4/10/2018	4	1,120	280
Tornado	4/10/2018	6	2,754	459
Tornado	4/10/2018	2,137	4,274	2

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	4/10/2018	30	5,940	198
Tornado	4/10/2018	9	747	83
Tornado	4/10/2018	10	4,700	470
Tornado	4/10/2018	75	12,000	160
Tornado	4/10/2018	10	4,600	460
Tornado	4/10/2018	53	20,299	383
Tornado	4/10/2018	20	9,560	478
Tornado	4/10/2018	17	5,338	314
Tornado	4/10/2018	8	1,648	206
Tornado	4/10/2018	19	2,546	134
Tornado	4/10/2018	10	7,360	736
Tornado	4/10/2018	1	377	377
Tornado	4/10/2018	934	72,994	98
Tornado	4/10/2018	40	9,120	228
Tornado	4/10/2018	10	5,810	581
Tornado	4/10/2018	2	690	345
Tornado	4/10/2018	9	4,482	498
Tornado	4/10/2018	1	285	285
Tornado	4/10/2018	13	2,691	207
Tornado	4/10/2018	1	338	338
Tornado	4/10/2018	576	7,488	13
Tornado	4/10/2018	91	13,741	151
Tornado	4/10/2018	11	2,640	240
Tornado	4/10/2018	34	6,018	177
Tornado	4/10/2018	6	1,842	307
Tornado	4/10/2018	55	20,625	375
Tornado	4/10/2018	5	375	75
Tornado	4/10/2018	30	5,280	176
Tornado	4/10/2018	12	3,492	291
Tornado	4/10/2018	1	167	167
Tornado	4/10/2018	8	4,400	550
Tornado	4/10/2018	4	856	214
Tornado	4/10/2018	1	186	186
Tornado	4/10/2018	7	2,856	408
Tornado	4/10/2018	16	3,504	219
Tornado	4/10/2018	5	60	12
Tornado	4/10/2018	16	4,224	264
Tornado	4/10/2018	57	7,695	135
Tornado	4/10/2018	3	951	317
Tornado	4/10/2018	72	11,952	166
Tornado	4/10/2018	13	4,095	315
Tornado	4/10/2018	1	840	840
Tornado	4/10/2018	6	1,752	292
Tornado	4/10/2018	43	5,590	130
Tornado	4/10/2018	1	700	700
Tornado	4/10/2018	34	4,760	140
Tornado	4/10/2018	12	3,468	289
Tornado	4/10/2018	452	33,900	75
Tornado	4/10/2018	8	2,672	334
Tornado	4/10/2018	4	848	212
Tornado	4/10/2018	1	1,397	1,397
Tornado	4/10/2018	30	19,260	642
Tornado	4/10/2018	7	168	24

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	4/10/2018	75	15,300	204
Tornado	4/10/2018	98	15,288	156
Tornado	4/10/2018	3	1,656	552
Tornado	4/10/2018	31	5,046	234
Tornado	4/10/2018	40	5,360	134
Tornado	4/10/2018	1,276	106,087	144
Tornado	4/10/2018	25	13,625	545
Tornado	4/10/2018	22	2,420	110
Tornado	4/10/2018	8	2,184	273
Tornado	4/10/2018	39	9,906	254
Tornado	4/10/2018	22	2,310	105
Tornado	4/10/2018	105	18,795	179
Tornado	4/10/2018	7	4,361	623
Tornado	4/10/2018	11	2,035	185
Tornado	4/10/2018	5	500	100
Tornado	4/10/2018	8	1,312	164
Tornado	4/10/2018	48	13,920	290
Tornado	4/10/2018	9	936	104
Tornado	4/10/2018	10	1,780	178
Tornado	4/10/2018	12	7,032	586
Tornado	4/10/2018	6	1,338	223
Tornado	4/10/2018	1	43	43
Tornado	4/10/2018	16	2,016	126
Tornado	4/10/2018	4	792	198
Tornado	4/10/2018	9	1,611	179
Tornado	4/10/2018	43	9,847	229
Tornado	4/10/2018	67	15,812	236
Tornado	4/10/2018	1	791	791
Tornado	4/10/2018	1	502	502
Tornado	4/10/2018	47	4,465	95
Tornado	4/10/2018	121	27,346	226
Tornado	4/10/2018	19	3,059	161
Tornado	4/10/2018	1	252	252
Tornado	4/10/2018	33	20,187	624
Tornado	4/10/2018	10	1,410	141
Tornado	4/10/2018	27	12,789	487
Tornado	4/10/2018	70	24,570	351
Tornado	4/10/2018	1	115	115
Tornado	4/10/2018	10	1,170	117
Tornado	4/10/2018	1	139	139
Tornado	4/10/2018	5	1,000	200
Tornado	4/10/2018	14	3,108	222
Tornado	4/10/2018	6	1,146	191
Tornado	4/10/2018	4	396	99
Tornado	4/10/2018	1	208	208
Tornado	4/10/2018	5	715	143
Tornado	4/10/2018	3	4,134	1,378
Tornado	4/10/2018	501	33,334	126
Tornado	4/10/2018	8	1,256	157
Tornado	4/10/2018	6	1,764	294
Tornado	4/10/2018	1	446	446
Tornado	4/10/2018	1	76	76
Tornado	4/10/2018	5	1,230	246

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	4/10/2018	11	6,138	558
Tornado	4/10/2018	31	5,466	252
Tornado	4/10/2018	2	220	110
Tornado	4/10/2018	1	99	99
Tornado	4/10/2018	2	342	171
Tornado	4/10/2018	152	11,400	75
Tornado	4/10/2018	15	1,320	88
Tornado	4/10/2018	114	17,784	156
Tornado	4/10/2018	26	1,716	66
Tornado	4/10/2018	1	73	73
Tornado	4/10/2018	1	51	51
Tornado	4/10/2018	11	2,926	266
Tornado	4/10/2018	1	235	235
Tornado	4/10/2018	9	1,143	127
Tornado	4/10/2018	20	740	37
Tornado	4/10/2018	11	5,104	464
Tornado	4/10/2018	1	94	94
Tornado	4/10/2018	6	1,188	198
Tornado	4/10/2018	1	57	57
Tornado	4/10/2018	2	362	181
Tornado	4/10/2018	3	273	91
Tornado	4/10/2018	1	519	519
Tornado	4/10/2018	3	786	262
Tornado	4/10/2018	94	30,534	545
Tornado	4/10/2018	17	1,496	88
Tornado	4/10/2018	978	144,744	148
Tornado	4/10/2018	44	6,176	323
Tornado	4/10/2018	26	1,950	75
Tornado	4/10/2018	1	515	515
Tornado	4/10/2018	19	1,653	87
Tornado	4/10/2018	1	78	78
Tornado	4/10/2018	1	139	139
Tornado	4/10/2018	11	5,258	478
Tornado	4/10/2018	1	88	88
Tornado	4/10/2018	31	16,864	544
Tornado	4/10/2018	1	46	46
Tornado	4/10/2018	2,137	2,137	1
Tornado	4/10/2018	26	16,744	644
Tornado	4/10/2018	2	570	285
Tornado	4/10/2018	3	60	20
Tornado	4/10/2018	1	73	73
Tornado	4/10/2018	4	284	71
Tornado	4/10/2018	2	174	87
Tornado	4/10/2018	10	3,130	313
Tornado	4/10/2018	1	66	66
Tornado	4/10/2018	9	12,069	1,341
Tornado	4/10/2018	6	876	146
Tornado	4/10/2018	1	315	315
Tornado	4/10/2018	6	2,787	557
Tornado	4/10/2018	1	98	98
Tornado	4/10/2018	1	95	95
Tornado	4/10/2018	10	1,950	195
Tornado	4/10/2018	1	113	113

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	4/10/2018	13	1,560	120
Tornado	4/10/2018	11	3,949	359
Tornado	4/10/2018	7	1,575	225
Tornado	4/10/2018	1	68	68
Tornado	4/10/2018	1	291	291
Tornado	4/10/2018	2	176	88
Tornado	4/10/2018	5	450	90
Tornado	4/10/2018	4	1,664	416
Tornado	4/10/2018	75	14,250	190
Tornado	4/10/2018	16	1,120	70
Tornado	4/10/2018	26	7,722	297
Tornado	4/10/2018	1	9	9
Tornado	4/10/2018	75	24,300	324
Tornado	4/10/2018	1	24	24
Tornado	4/10/2018	2	238	201
Tornado	4/10/2018	4	1,396	349
Tornado	4/10/2018	1	3	3
Tornado	4/10/2018	48	11,664	243
Tornado	4/10/2018	1	123	123
Tornado	4/10/2018	1	1,023	1,023
Tornado	4/10/2018	4	3,372	843
Tornado	4/10/2018	1	232	232
Tornado	4/10/2018	9	855	95
Tornado	4/10/2018	1	216	216
Tornado	4/10/2018	1	172	172
Tornado	4/10/2018	7	644	92
Tornado	4/10/2018	2	434	217
Tornado	4/10/2018	6	486	81
Tornado	4/10/2018	1	303	303
Tornado	4/27/2018	80	1,120	14
Tornado	4/27/2018	1	692	692
Tornado	4/27/2018	1	691	691
Tornado	4/27/2018	15	720	48
Tornado	4/27/2018	1	184	184
Tornado	4/27/2018	10	1,450	145
Tornado	4/27/2018	2	284	142
Tornado	4/27/2018	9	216	24
Tornado	4/27/2018	17	2,363	139
Tornado	4/27/2018	25	1,050	42
Tornado	4/27/2018	7	210	30
Tornado	4/27/2018	24	1,200	50
Tornado	4/27/2018	1	160	160
Tornado	4/27/2018	33	957	29
Tornado	4/27/2018	8	280	35
Tornado	4/27/2018	4	40	10
Tornado	4/27/2018	10	1,860	186
Tornado	4/27/2018	90	10,440	116
Tornado	4/27/2018	2	1,012	506
Tornado	4/27/2018	5	650	130
Tornado	4/27/2018	29	3,567	123
Tornado	4/27/2018	10	1,450	145
Tornado	4/27/2018	8	136	17
Tornado	4/27/2018	45	6,480	144

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	4/27/2018	32	5,904	266
Tornado	4/27/2018	15	2,985	199
Tornado	4/27/2018	2,495	76,987	175
Tornado	4/27/2018	38	8,930	235
Tornado	4/27/2018	21	4,536	216
Tornado	4/27/2018	24	1,584	66
Tornado	4/27/2018	2	546	273
Tornado	4/27/2018	1	276	276
Tornado	4/27/2018	28	4,872	174
Tornado	4/27/2018	40	4,497	237
Tornado	4/27/2018	36	6,336	176
Tornado	4/27/2018	43	3,612	84
Tornado	4/27/2018	1	236	236
Tornado	4/27/2018	8	2,744	343
Tornado	4/27/2018	12	2,316	193
Tornado	4/27/2018	14	1,330	95
Tornado	4/27/2018	710	12,780	18
Tornado	4/27/2018	1	62	62
Tornado	4/27/2018	8	1,936	242
Tornado	4/27/2018	1	215	215
Tornado	4/27/2018	5	560	112
Tornado	4/27/2018	15	225	15
Tornado	4/27/2018	14	3,262	233
Tornado	4/27/2018	1	203	203
Tornado	4/27/2018	1	54	54
Tornado	4/27/2018	1	148	148
Tornado	4/27/2018	1	136	136
Tornado	4/27/2018	7	413	59
Tornado	4/27/2018	5	2,670	534
Tornado	4/27/2018	14	2,464	176
Tornado	4/27/2018	9	1,053	117
Tornado	4/27/2018	1	115	115
Tornado	4/27/2018	6	522	87
Tornado	4/27/2018	8	528	66
Tornado	4/27/2018	3	204	68
Tornado	4/27/2018	1	123	123
Tornado	5/14/2018	2,807	129,122	46
Tornado	5/14/2018	5	2,730	546
Tornado	5/14/2018	1,253	50,120	40
Tornado	5/14/2018	45	26,235	583
Tornado	5/14/2018	1	677	677
Tornado	5/14/2018	4	2,074	519
Tornado	5/14/2018	20	4,073	604
Tornado	5/14/2018	3	375	125
Tornado	5/14/2018	2	372	186
Tornado	5/14/2018	14	1,400	100
Tornado	5/14/2018	7	1,589	227
Tornado	5/14/2018	23	10,583	705
Tornado	5/14/2018	57	8,265	145
Tornado	5/14/2018	6	648	108
Tornado	5/14/2018	2	1,006	503
Tornado	5/14/2018	870	158,340	182
Tornado	5/14/2018	5	2,470	494

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	5/14/2018	1	510	510
Tornado	5/14/2018	46	22,632	492
Tornado	5/14/2018	5	1,950	390
Tornado	5/14/2018	5	330	66
Tornado	5/14/2018	69	16,544	671
Tornado	5/14/2018	59	20,060	340
Tornado	5/14/2018	2	984	492
Tornado	5/14/2018	1	40	40
Tornado	5/14/2018	1	39	39
Tornado	5/14/2018	3	21	7
Tornado	5/14/2018	9	3,744	416
Tornado	5/14/2018	4	760	190
Tornado	5/14/2018	4	356	89
Tornado	5/14/2018	9	882	98
Tornado	5/14/2018	631	34,803	197
Tornado	5/14/2018	1	64	64
Tornado	5/14/2018	4	956	239
Tornado	5/14/2018	4	1,408	352
Tornado	5/14/2018	178	50,780	320
Tornado	5/14/2018	747	64,962	235
Tornado	5/14/2018	1	390	390
Tornado	5/14/2018	4	676	169
Tornado	5/14/2018	3	525	175
Tornado	5/14/2018	4	956	239
Tornado	5/14/2018	42	11,970	285
Tornado	5/14/2018	42	3,948	94
Tornado	5/14/2018	23	1,817	79
Tornado	5/14/2018	15	1,770	118
Tornado	5/14/2018	16	8,208	513
Tornado	5/14/2018	1	262	262
Tornado	5/14/2018	4	676	169
Tornado	5/14/2018	17	2,125	125
Tornado	5/14/2018	1	149	149
Tornado	5/14/2018	1	511	511
Tornado	5/14/2018	3	1,089	363
Tornado	5/14/2018	1	157	157
Tornado	5/14/2018	2	476	238
Tornado	5/14/2018	8	856	107
Tornado	5/14/2018	71	6,461	91
Tornado	5/14/2018	5	720	144
Tornado	5/14/2018	4	552	138
Tornado	5/14/2018	1	334	334
Tornado	5/14/2018	32	5,152	161
Tornado	5/14/2018	3	453	151
Tornado	5/14/2018	1	121	121
Tornado	5/14/2018	6	684	114
Tornado	5/14/2018	1	95	95
Tornado	5/14/2018	3	498	166
Tornado	5/14/2018	1	224	224
Tornado	5/14/2018	1	32	32
Tornado	5/14/2018	2	150	75
Tornado	5/14/2018	6	1,644	274
Tornado	5/14/2018	1	53	53

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	5/14/2018	4	328	82
Tornado	5/14/2018	1	114	114
Tornado	5/14/2018	1	166	166
Tornado	5/14/2018	7	882	126
Tornado	5/14/2018	1	54	54
Tornado	5/14/2018	1,560	22,904	17
Tornado	5/14/2018	7	595	85
Tornado	5/14/2018	6	630	105
Tornado	5/14/2018	1	283	283
Tornado	5/14/2018	1	1,034	1,034
Tornado	5/14/2018	8	584	73
Tornado	5/14/2018	5	1,534	539
Tornado	5/14/2018	1	264	264
Tornado	5/14/2018	75	3,450	46
Tornado	5/14/2018	28	2,772	99
Tornado	5/14/2018	6	1,356	226
Tornado	5/14/2018	72	7,186	193
Tornado	5/14/2018	1	73	73
Tornado	5/14/2018	1	107	107
Tornado	5/14/2018	1	179	179
Tornado	5/14/2018	1	267	267
Tornado	5/14/2018	1	83	83
Tornado	5/14/2018	4	452	113
Tornado	5/14/2018	4	1,464	366
Tornado	5/14/2018	4	744	186
Tornado	5/14/2018	18	162	9
Tornado	5/14/2018	1	236	236
Tornado	5/14/2018	3	531	177
Tornado	5/14/2018	3	267	89
Tornado	5/14/2018	1	332	332
Tornado	5/14/2018	56	2,464	44
Tornado	5/14/2018	1	49	49
Tornado	5/14/2018	1	169	169
Tornado	5/14/2018	6	474	79
Tornado	5/14/2018	12	1,140	95
Tornado	5/14/2018	1	71	71
Tornado	5/14/2018	1	37	37
Tornado	5/14/2018	10	290	29
Tornado	5/14/2018	11	1,122	102
Tornado	5/14/2018	2	584	292
Tornado	5/14/2018	5	870	174
Tornado	5/14/2018	1	310	310
Tornado	5/14/2018	133	37,905	285
Tornado	5/14/2018	1	124	124
Tornado	5/14/2018	1	148	148
Tornado	5/14/2018	1	115	115
Tornado	5/14/2018	25	950	38
Tornado	5/14/2018	11	803	73
Tornado	5/14/2018	1	76	76
Tornado	5/14/2018	1	442	442
Tornado	5/14/2018	1	174	174
Tornado	5/14/2018	13	4,862	374
Tornado	5/14/2018	3	630	210

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	5/14/2018	8	1,680	210
Tornado	5/14/2018	1	101	101
Tornado	5/14/2018	1	87	87
Tornado	5/14/2018	1	271	271
Tornado	5/14/2018	1	21	21
Tornado	5/14/2018	2	590	295
Tornado	5/14/2018	2	264	132
Tornado	5/14/2018	10	1,580	158
Tornado	5/14/2018	7	2,436	348
Tornado	5/14/2018	98	8,428	86
Tornado	5/14/2018	17	4,692	276
Tornado	5/14/2018	1	172	172
Tornado	5/14/2018	1	357	357
Tornado	5/14/2018	3	393	131
Tornado	5/14/2018	6	2,196	366
Tornado	5/14/2018	8	864	108
Tornado	5/14/2018	11	946	86
Tornado	5/14/2018	1	210	210
Tornado	5/14/2018	38	8,170	215
Tornado	5/14/2018	3	945	315
Tornado	5/14/2018	49	7,527	183
Tornado	5/14/2018	31	2,170	70
Tornado	5/14/2018	5	835	167
Tornado	5/14/2018	1	368	368
Tornado	5/14/2018	45	3,105	69
Tornado	5/14/2018	7	287	41
Tornado	5/14/2018	60	8,820	147
Tornado	5/14/2018	17	765	45
Tornado	5/14/2018	1	83	83
Tornado	5/14/2018	1	887	887
Tornado	5/14/2018	2	212	106
Tornado	5/14/2018	10	410	41
Tornado	5/14/2018	1	322	322
Tornado	5/14/2018	10	1,960	196
Tornado	5/14/2018	4	518	202
Tornado	5/14/2018	25	8,575	343
Tornado	5/14/2018	1	337	338
Tornado	5/14/2018	11	4,950	450
Tornado	5/14/2018	350	39,258	226
Tornado	5/14/2018	10	1,380	138
Tornado	5/14/2018	11	2,618	238
Tornado	5/14/2018	1	118	118
Tornado	5/14/2018	1	77	77
Tornado	5/14/2018	1	157	157
Tornado	5/14/2018	1	473	473
Tornado	5/14/2018	97	32,495	335
Tornado	5/14/2018	1	12	12
Tornado	5/14/2018	1	405	405
Tornado	5/14/2018	686	22,638	33
Tornado	5/14/2018	8	400	50
Tornado	5/14/2018	32	928	29
Tornado	5/14/2018	1	395	395
Tornado	5/14/2018	1	103	103

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	5/14/2018	70	6,860	98
Tornado	5/14/2018	51	9,792	192
Tornado	5/14/2018	3	441	147
Tornado	5/14/2018	9	459	51
Tornado	5/14/2018	29	7,453	257
Tornado	5/14/2018	4	272	68
Tornado	5/14/2018	146	8,963	80
Tornado	5/14/2018	6	847	417
Tornado	5/14/2018	14	294	21
Tornado	5/14/2018	1	123	123
Tornado	5/14/2018	1	301	301
Tornado	5/14/2018	1	480	480
Tornado	5/14/2018	44	2,728	62
Tornado	5/14/2018	57	3,591	63
Tornado	5/14/2018	1	119	119
Tornado	5/14/2018	6	900	150
Tornado	5/14/2018	1	8	8
Tornado	5/14/2018	3	666	222
Tornado	5/14/2018	8	2,272	284
Tornado	5/14/2018	1	118	118
Tornado	5/14/2018	9	153	17
Tornado	5/14/2018	4	416	104
Tornado	5/14/2018	93	8,184	88
Tornado	5/14/2018	10	310	31
Tornado	5/14/2018	60	7,320	122
Tornado	5/14/2018	8	1,000	125
Tornado	5/14/2018	44	2,904	66
Tornado	5/14/2018	1	119	119
Tornado	5/14/2018	8	680	85
Tornado	5/14/2018	18	2,790	155
Tornado	5/14/2018	1	143	143
Tornado	5/14/2018	19	4,940	260
Tornado	5/14/2018	6	462	77
Tornado	5/14/2018	4	184	46
Tornado	5/14/2018	4	252	63
Tornado	5/14/2018	7	1,379	197
Tornado	5/14/2018	1	322	322
Tornado	5/14/2018	3	318	106
Tornado	5/14/2018	3	690	230
Tornado	5/14/2018	8	1,712	214
Tornado	5/14/2018	48	2,016	42
Tornado	5/14/2018	76	9,652	127
Tornado	5/14/2018	12	984	82
Tornado	5/14/2018	44	9,284	211
Tornado	5/14/2018	8	472	59
Tornado	5/14/2018	17	1,377	81
Tornado	5/14/2018	5	490	98
Tornado	5/14/2018	5	425	85
Tornado	5/14/2018	11	1,199	109
Tornado	5/14/2018	1	240	240
Tornado	5/14/2018	49	6,811	139
Tornado	5/14/2018	1	158	158
Tornado	5/14/2018	3	438	146

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	5/14/2018	1	63	63
Tornado	5/14/2018	1	45	45
Tornado	5/14/2018	4	324	81
Tornado	5/14/2018	1	367	367
Tornado	5/14/2018	44	5,368	122
Tornado	5/14/2018	1	15	15
Tornado	5/14/2018	4	680	170
Tornado	5/14/2018	98	12,348	126
Tornado	5/14/2018	1	225	225
Tornado	5/14/2018	1	58	58
Tornado	5/14/2018	12	96	8
Tornado	5/14/2018	1	118	118
Tornado	5/14/2018	1	54	54
Tornado	5/14/2018	1	321	321
Tornado	5/14/2018	1	253	253
Tornado	5/14/2018	1	107	107
Tornado	5/14/2018	3	915	305
Tornado	5/14/2018	1	651	651
Tornado	5/14/2018	26	1,534	59
Tornado	5/14/2018	35	2,240	64
Tornado	5/14/2018	1	390	390
Tornado	5/14/2018	1	146	146
Tornado	5/14/2018	3	957	319
Tornado	5/14/2018	1	254	254
Tornado	5/14/2018	6	534	89
Tornado	5/14/2018	6	78	13
Tornado	5/14/2018	1	319	319
Tornado	5/14/2018	66	11,022	167
Tornado	5/14/2018	1	307	307
Tornado	5/14/2018	1	334	334
Tornado	5/14/2018	5	185	37
Tornado	5/14/2018	1	25	25
Tornado	5/14/2018	1	240	240
Tornado	5/14/2018	1	49	49
Tornado	5/14/2018	3	1,248	416
Tornado	5/14/2018	1	77	77
Tornado	5/14/2018	1	61	61
Tornado	5/14/2018	1	629	629
Tornado	5/14/2018	16	1,824	114
Tornado	5/14/2018	1	192	192
Tornado	5/14/2018	28	532	19
Tornado	5/14/2018	12	3,984	332
Tornado	5/14/2018	7	1,477	211
Tornado	5/14/2018	2	364	182
Tornado	5/14/2018	1	342	342
Tornado	5/14/2018	1	301	301
Tornado	5/14/2018	1	247	247
Tornado	5/14/2018	1	243	243
Tornado	5/14/2018	11	638	58
Tornado	5/14/2018	10	2,870	287
Tornado	5/14/2018	2	128	64
Tornado	5/14/2018	4	404	101
Tornado	5/14/2018	9	180	20

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	5/14/2018	1	116	116
Tornado	5/14/2018	1	14	14
Tornado	5/14/2018	5	1,210	242
Tornado	5/14/2018	37	1,628	44
Tornado	5/14/2018	5	125	25
Tornado	5/14/2018	10	300	30
Tornado	5/14/2018	5	1,045	209
Tornado	5/14/2018	1	99	99
Tornado	5/14/2018	1	448	448
Tornado	5/14/2018	50	6,050	121
Tornado	5/14/2018	46	3,220	70
Tornado	5/14/2018	1	37	37
Tornado	5/14/2018	2	1,122	561
Tornado	5/14/2018	1	5	5
Tornado	5/14/2018	7	240	132
Tornado	5/14/2018	1	541	541
Tornado	5/14/2018	1	64	64
Tornado	5/14/2018	1	163	163
Tornado	5/14/2018	5	95	19
Tornado	5/14/2018	52	3,125	65
Tornado	5/14/2018	7	959	137
Tornado	5/14/2018	1	69	69
Tornado	5/14/2018	1	73	73
Tornado	5/14/2018	19	646	34
Tornado	5/14/2018	1	125	125
Tornado	5/14/2018	54	16,146	299
Tornado	5/14/2018	62	18,476	298
Tornado	5/14/2018	2	84	42
Tornado	5/14/2018	1	169	169
Tornado	5/14/2018	3	192	64
Tornado	5/14/2018	1	139	139
Tornado	5/14/2018	1	623	623
Tornado	5/14/2018	86	7,482	87
Tornado	5/14/2018	1	23	23
Tornado	5/14/2018	1	69	69
Tornado	5/14/2018	1	61	61
Tornado	5/14/2018	4	2,028	507
Tornado	5/14/2018	10	620	62
Tornado	5/14/2018	1	89	89
Tornado	5/14/2018	1	118	118
Tornado	5/14/2018	10	330	33
Tornado	5/14/2018	1	214	214
Tornado	5/14/2018	8	256	32
Tornado	5/14/2018	1	344	344
Tornado	5/14/2018	9	522	58
Tornado	5/14/2018	2	266	133
Tornado	5/14/2018	3	273	91
Tornado	5/14/2018	1	3	3
Tornado	5/14/2018	1	30	30
Tornado	5/14/2018	5	300	60
Tornado	5/14/2018	11	2,640	240
Tornado	5/14/2018	737	49,364	93
Tornado	5/14/2018	1	58	58

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	5/14/2018	1	143	143
Tornado	5/14/2018	1	402	402
Tornado	5/14/2018	3	957	319
Tornado	5/14/2018	9	1,638	182
Tornado	5/14/2018	1	303	303
Tornado	5/14/2018	7	448	64
Tornado	5/14/2018	46	6,472	296
Subtropical Storm	5/25/2018	1	211	211
Subtropical Storm	5/25/2018	7	2,835	405
Subtropical Storm	5/25/2018	5	735	147
Subtropical Storm	5/25/2018	32	3,632	141
Subtropical Storm	5/25/2018	12	3,456	288
Subtropical Storm	5/25/2018	1	220	220
Subtropical Storm	5/25/2018	1	543	543
Subtropical Storm	5/25/2018	1	23	23
Subtropical Storm	5/25/2018	1	123	123
Subtropical Storm	5/25/2018	1	47	47
Subtropical Storm	5/25/2018	1	47	47
Subtropical Storm	5/25/2018	11	990	90
Subtropical Storm	5/25/2018	1	34	34
Subtropical Storm	5/25/2018	2	444	222
Subtropical Storm	5/25/2018	1	100	100
Subtropical Storm	5/25/2018	16	2,912	182
Subtropical Storm	5/25/2018	33	6,138	186
Subtropical Storm	5/25/2018	1	216	216
Subtropical Storm	5/25/2018	12	2,988	249
Subtropical Storm	5/25/2018	13	390	31
Subtropical Storm	5/25/2018	14	406	30
Subtropical Storm	5/25/2018	4	544	136
Subtropical Storm	5/25/2018	2	728	364
Subtropical Storm	5/25/2018	6	1,038	173
Subtropical Storm	5/25/2018	1	352	352
Subtropical Storm	5/25/2018	3	150	50
Subtropical Storm	5/25/2018	1	107	107
Subtropical Storm	5/25/2018	1	44	44
Subtropical Storm	5/25/2018	1	245	245
Subtropical Storm	5/25/2018	1	120	120
Subtropical Storm	5/25/2018	1	6	6
Subtropical Storm	5/25/2018	1	89	89
Subtropical Storm	5/25/2018	4	320	80
Subtropical Storm	5/25/2018	1	157	157
Subtropical Storm	5/25/2018	1	91	91
Subtropical Storm	5/25/2018	1	107	107
Subtropical Storm	5/25/2018	4	464	116
Subtropical Storm	5/25/2018	1	9	9
Subtropical Storm	5/25/2018	8	328	41
Subtropical Storm	5/25/2018	1	73	73
Subtropical Storm	5/25/2018	1	169	169
Subtropical Storm	5/25/2018	1	22	22
Subtropical Storm	5/25/2018	1	53	53
Subtropical Storm	5/25/2018	7	665	95
Subtropical Storm	5/25/2018	1	91	91
Subtropical Storm	5/25/2018	1	278	278

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/25/2018	1	111	111
Subtropical Storm	5/25/2018	2	962	481
Subtropical Storm	5/25/2018	1	15	15
Subtropical Storm	5/25/2018	8	2,144	268
Subtropical Storm	5/25/2018	1	223	223
Subtropical Storm	5/25/2018	1	733	733
Subtropical Storm	5/25/2018	3	378	126
Subtropical Storm	5/25/2018	1	65	65
Subtropical Storm	5/25/2018	1	327	327
Subtropical Storm	5/25/2018	14	238	17
Subtropical Storm	5/25/2018	1	57	57
Subtropical Storm	5/25/2018	2	90	45
Subtropical Storm	5/25/2018	1	144	144
Subtropical Storm	5/25/2018	14	3,360	240
Subtropical Storm	5/25/2018	12	2,664	222
Subtropical Storm	5/25/2018	53	20,988	396
Subtropical Storm	5/25/2018	8	528	66
Subtropical Storm	5/25/2018	37	6,364	172
Subtropical Storm	5/25/2018	1	189	189
Subtropical Storm	5/25/2018	11	2,277	207
Subtropical Storm	5/25/2018	6	336	56
Subtropical Storm	5/25/2018	35	945	27
Subtropical Storm	5/25/2018	1	299	299
Subtropical Storm	5/25/2018	7	392	56
Subtropical Storm	5/25/2018	1	435	435
Subtropical Storm	5/25/2018	19	1,482	78
Subtropical Storm	5/25/2018	1	77	77
Subtropical Storm	5/25/2018	8	504	63
Subtropical Storm	5/25/2018	15	3,345	223
Subtropical Storm	5/25/2018	1	262	262
Subtropical Storm	5/25/2018	1	107	107
Subtropical Storm	5/25/2018	15	2,370	158
Subtropical Storm	5/25/2018	2	510	255
Subtropical Storm	5/25/2018	4	704	176
Subtropical Storm	5/25/2018	3	678	226
Subtropical Storm	5/25/2018	2	160	80
Subtropical Storm	5/25/2018	8	248	31
Subtropical Storm	5/25/2018	3	798	266
Subtropical Storm	5/25/2018	853	20,667	38
Subtropical Storm	5/25/2018	20	2,750	145
Subtropical Storm	5/25/2018	4	128	32
Subtropical Storm	5/25/2018	1	530	530
Subtropical Storm	5/25/2018	1	79	79
Subtropical Storm	5/25/2018	1	88	88
Subtropical Storm	5/25/2018	6	432	72
Subtropical Storm	5/25/2018	7	448	64
Subtropical Storm	5/25/2018	1	26	26
Subtropical Storm	5/25/2018	5	565	113
Subtropical Storm	5/25/2018	1	35	35
Subtropical Storm	5/25/2018	1	21	21
Subtropical Storm	5/25/2018	9	1,359	151
Subtropical Storm	5/25/2018	4	44	11
Subtropical Storm	5/25/2018	9	126	14

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/25/2018	1	322	322
Subtropical Storm	5/25/2018	4	484	121
Subtropical Storm	5/25/2018	1	277	277
Subtropical Storm	5/25/2018	8	584	73
Subtropical Storm	5/25/2018	1	481	481
Subtropical Storm	5/25/2018	2	236	118
Subtropical Storm	5/25/2018	13	507	39
Subtropical Storm	5/25/2018	16	3,024	343
Subtropical Storm	5/25/2018	11	165	15
Subtropical Storm	5/25/2018	1	324	324
Subtropical Storm	5/25/2018	1	630	630
Subtropical Storm	5/25/2018	1	395	395
Subtropical Storm	5/25/2018	8	4,872	609
Subtropical Storm	5/25/2018	24	1,536	64
Subtropical Storm	5/25/2018	6	36	6
Subtropical Storm	5/25/2018	1	382	382
Subtropical Storm	5/25/2018	5	510	102
Subtropical Storm	5/25/2018	23	2,369	103
Subtropical Storm	5/25/2018	4	2,036	509
Subtropical Storm	5/25/2018	11	1,441	131
Subtropical Storm	5/25/2018	1	158	158
Subtropical Storm	5/25/2018	10	520	52
Subtropical Storm	5/25/2018	11	2,849	259
Subtropical Storm	5/25/2018	780	38,260	63
Subtropical Storm	5/25/2018	15	1,290	86
Subtropical Storm	5/25/2018	1	51	51
Subtropical Storm	5/25/2018	1	26	26
Subtropical Storm	5/25/2018	1	318	318
Subtropical Storm	5/25/2018	4	176	44
Subtropical Storm	5/25/2018	4	300	75
Subtropical Storm	5/25/2018	5	220	44
Subtropical Storm	5/25/2018	5	3,020	604
Subtropical Storm	5/25/2018	66	21,340	570
Subtropical Storm	5/25/2018	1	189	189
Subtropical Storm	5/25/2018	1	151	151
Subtropical Storm	5/25/2018	11	484	44
Subtropical Storm	5/25/2018	53	6,216	132
Subtropical Storm	5/25/2018	1	376	376
Subtropical Storm	5/25/2018	13	1,066	82
Subtropical Storm	5/25/2018	47	3,807	81
Subtropical Storm	5/25/2018	1	163	163
Subtropical Storm	5/25/2018	1	154	154
Subtropical Storm	5/25/2018	1	298	298
Subtropical Storm	5/25/2018	1	787	787
Subtropical Storm	5/25/2018	1	188	188
Subtropical Storm	5/25/2018	2	122	61
Subtropical Storm	5/25/2018	1	36	36
Subtropical Storm	5/25/2018	1	224	224
Subtropical Storm	5/25/2018	1	373	373
Subtropical Storm	5/25/2018	1	109	109
Subtropical Storm	5/25/2018	35	5,110	146
Subtropical Storm	5/25/2018	1	550	550
Subtropical Storm	5/25/2018	1,607	16,070	10

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/25/2018	1	161	161
Subtropical Storm	5/25/2018	1	180	180
Subtropical Storm	5/25/2018	12	1,620	135
Subtropical Storm	5/25/2018	1	247	247
Subtropical Storm	5/25/2018	6	1,056	176
Subtropical Storm	5/25/2018	7	3,003	429
Subtropical Storm	5/25/2018	10	2,450	245
Subtropical Storm	5/25/2018	2	832	416
Subtropical Storm	5/25/2018	7	259	37
Subtropical Storm	5/25/2018	77	31,108	404
Subtropical Storm	5/25/2018	30	4,125	259
Subtropical Storm	5/25/2018	1	123	123
Subtropical Storm	5/25/2018	190	10,179	57
Subtropical Storm	5/25/2018	86	13,292	173
Subtropical Storm	5/25/2018	12	2,532	211
Subtropical Storm	5/25/2018	20	2,640	132
Subtropical Storm	5/25/2018	14	1,288	92
Subtropical Storm	5/25/2018	11	198	18
Subtropical Storm	5/25/2018	1	102	102
Subtropical Storm	5/25/2018	182	13,286	73
Subtropical Storm	5/25/2018	1	238	238
Subtropical Storm	5/25/2018	1	173	173
Subtropical Storm	5/25/2018	1	4	4
Subtropical Storm	5/25/2018	4	436	109
Subtropical Storm	5/25/2018	16	2,976	186
Subtropical Storm	5/25/2018	1	328	328
Subtropical Storm	5/25/2018	17	3,587	211
Subtropical Storm	5/25/2018	39	6,006	154
Subtropical Storm	5/25/2018	4	64	16
Subtropical Storm	5/25/2018	1	124	124
Subtropical Storm	5/25/2018	1	144	144
Subtropical Storm	5/25/2018	11	924	84
Subtropical Storm	5/25/2018	2	88	44
Subtropical Storm	5/25/2018	1	88	88
Subtropical Storm	5/25/2018	2	296	148
Subtropical Storm	5/25/2018	114	1,710	15
Subtropical Storm	5/25/2018	11	3,069	279
Subtropical Storm	5/25/2018	27	459	17
Subtropical Storm	5/25/2018	1	39	39
Subtropical Storm	5/25/2018	12	1,968	164
Subtropical Storm	5/25/2018	1	916	916
Subtropical Storm	5/25/2018	14	280	20
Subtropical Storm	5/25/2018	8	488	61
Subtropical Storm	5/25/2018	4	208	52
Subtropical Storm	5/25/2018	5	995	199
Subtropical Storm	5/25/2018	1	187	187
Subtropical Storm	5/25/2018	1	97	97
Subtropical Storm	5/25/2018	2	434	217
Subtropical Storm	5/25/2018	32	6,560	205
Subtropical Storm	5/25/2018	1	322	322
Subtropical Storm	5/25/2018	2	514	257
Subtropical Storm	5/25/2018	27	5,301	213
Subtropical Storm	5/25/2018	1	85	85

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/25/2018	1	183	183
Subtropical Storm	5/25/2018	7	728	104
Subtropical Storm	5/25/2018	39	11,388	292
Subtropical Storm	5/25/2018	1	74	74
Subtropical Storm	5/25/2018	8	2,120	265
Subtropical Storm	5/25/2018	1	828	828
Subtropical Storm	5/25/2018	1	297	297
Subtropical Storm	5/25/2018	2	830	415
Subtropical Storm	5/25/2018	1	178	178
Subtropical Storm	5/25/2018	1	47	47
Subtropical Storm	5/25/2018	18	918	51
Subtropical Storm	5/25/2018	8	304	38
Subtropical Storm	5/25/2018	1	83	83
Subtropical Storm	5/25/2018	16	3,120	195
Subtropical Storm	5/25/2018	3	198	66
Subtropical Storm	5/25/2018	14	1,498	107
Subtropical Storm	5/25/2018	1	131	131
Subtropical Storm	5/25/2018	10	2,400	240
Subtropical Storm	5/25/2018	6	1,398	233
Subtropical Storm	5/25/2018	1	141	141
Subtropical Storm	5/25/2018	7	91	13
Subtropical Storm	5/25/2018	14	28	2
Subtropical Storm	5/25/2018	1	17	17
Subtropical Storm	5/25/2018	1	82	82
Subtropical Storm	5/25/2018	1	94	94
Subtropical Storm	5/25/2018	1	212	212
Subtropical Storm	5/25/2018	4	48	12
Subtropical Storm	5/25/2018	1	351	351
Subtropical Storm	5/25/2018	1	134	134
Subtropical Storm	5/25/2018	1	164	164
Subtropical Storm	5/25/2018	1	282	282
Subtropical Storm	5/25/2018	1	19	19
Subtropical Storm	5/25/2018	16	1,712	107
Subtropical Storm	5/25/2018	1	7	7
Subtropical Storm	5/25/2018	1	2	2
Subtropical Storm	5/25/2018	1	35	35
Subtropical Storm	5/25/2018	1	106	106
Subtropical Storm	5/25/2018	1	90	90
Subtropical Storm	5/25/2018	21	6,252	535
Subtropical Storm	5/25/2018	6	216	36
Subtropical Storm	5/25/2018	1	252	252
Subtropical Storm	5/25/2018	1	43	43
Subtropical Storm	5/25/2018	60	26,280	438
Subtropical Storm	5/25/2018	1	21	21
Subtropical Storm	5/25/2018	1	72	72
Subtropical Storm	5/25/2018	5	120	24
Subtropical Storm	5/25/2018	10	960	96
Subtropical Storm	5/25/2018	3	102	34
Subtropical Storm	5/25/2018	12	4,620	385
Subtropical Storm	5/25/2018	1	19	19
Subtropical Storm	5/25/2018	17	1,343	79
Subtropical Storm	5/25/2018	1	4	4
Subtropical Storm	5/25/2018	2	690	345

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/25/2018	1	219	219
Subtropical Storm	5/25/2018	57	4,986	100
Subtropical Storm	5/25/2018	2	12	6
Subtropical Storm	5/25/2018	22	1,848	84
Subtropical Storm	5/25/2018	2	176	88
Subtropical Storm	5/25/2018	3,213	195,942	115
Subtropical Storm	5/25/2018	1	397	397
Subtropical Storm	5/25/2018	1	135	135
Subtropical Storm	5/25/2018	5	290	58
Subtropical Storm	5/25/2018	1	46	46
Subtropical Storm	5/25/2018	1	7	7
Subtropical Storm	5/25/2018	11	8,679	789
Subtropical Storm	5/25/2018	9	2,952	328
Subtropical Storm	5/25/2018	1	123	123
Subtropical Storm	5/25/2018	1	49	49
Subtropical Storm	5/25/2018	1	75	75
Subtropical Storm	5/25/2018	1	63	63
Subtropical Storm	5/25/2018	1	214	214
Subtropical Storm	5/25/2018	1	202	202
Subtropical Storm	5/25/2018	4	624	156
Subtropical Storm	5/25/2018	5	615	123
Subtropical Storm	5/25/2018	1	165	165
Subtropical Storm	5/25/2018	12	3,312	276
Subtropical Storm	5/25/2018	3	3,036	1,012
Subtropical Storm	5/25/2018	1	71	71
Subtropical Storm	5/25/2018	1	78	78
Subtropical Storm	5/25/2018	1	74	74
Subtropical Storm	5/25/2018	1	265	265
Subtropical Storm	5/25/2018	9	1,458	162
Subtropical Storm	5/25/2018	8	3,136	392
Subtropical Storm	5/25/2018	1	295	295
Subtropical Storm	5/25/2018	6	834	139
Subtropical Storm	5/25/2018	1	8	8
Subtropical Storm	5/26/2018	1	877	877
Subtropical Storm	5/26/2018	1	19	19
Subtropical Storm	5/26/2018	34	2,550	75
Subtropical Storm	5/26/2018	1	13	13
Subtropical Storm	5/26/2018	1	461	461
Subtropical Storm	5/26/2018	11	6,963	633
Subtropical Storm	5/26/2018	3	483	161
Subtropical Storm	5/26/2018	9	513	57
Subtropical Storm	5/26/2018	1,234	115,379	757
Subtropical Storm	5/26/2018	3	795	265
Subtropical Storm	5/26/2018	8	592	74
Subtropical Storm	5/26/2018	99	11,583	117
Subtropical Storm	5/26/2018	7	567	81
Subtropical Storm	5/26/2018	1	78	78
Subtropical Storm	5/26/2018	143	16,710	159
Subtropical Storm	5/26/2018	12	4,488	374
Subtropical Storm	5/26/2018	10	750	75
Subtropical Storm	5/26/2018	2	378	189
Subtropical Storm	5/26/2018	16	1,792	112
Subtropical Storm	5/26/2018	3	117	39

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/26/2018	23	2,737	119
Subtropical Storm	5/26/2018	6	1,722	287
Subtropical Storm	5/26/2018	1	23	23
Subtropical Storm	5/26/2018	1	319	319
Subtropical Storm	5/26/2018	11	2,321	211
Subtropical Storm	5/26/2018	3	891	297
Subtropical Storm	5/26/2018	1	14	14
Subtropical Storm	5/26/2018	13	1,599	123
Subtropical Storm	5/26/2018	14	5,936	424
Subtropical Storm	5/26/2018	3	141	47
Subtropical Storm	5/26/2018	1	174	174
Subtropical Storm	5/26/2018	6	3,192	532
Subtropical Storm	5/26/2018	1	123	123
Subtropical Storm	5/26/2018	3	414	138
Subtropical Storm	5/26/2018	7	2,555	365
Subtropical Storm	5/26/2018	103	31,621	307
Subtropical Storm	5/26/2018	1	379	379
Subtropical Storm	5/26/2018	1	154	154
Subtropical Storm	5/26/2018	2	446	223
Subtropical Storm	5/26/2018	1	204	204
Subtropical Storm	5/26/2018	25	2,875	115
Subtropical Storm	5/26/2018	1,185	82,740	163
Subtropical Storm	5/26/2018	7	224	32
Subtropical Storm	5/26/2018	2	422	211
Subtropical Storm	5/26/2018	26	962	37
Subtropical Storm	5/26/2018	11	1,199	109
Subtropical Storm	5/26/2018	4	384	96
Subtropical Storm	5/26/2018	1	114	114
Subtropical Storm	5/26/2018	20	1,780	89
Subtropical Storm	5/26/2018	15	795	53
Subtropical Storm	5/26/2018	51	4,029	79
Subtropical Storm	5/26/2018	8	2,064	258
Subtropical Storm	5/26/2018	1	346	346
Subtropical Storm	5/26/2018	2	680	340
Subtropical Storm	5/26/2018	1	70	70
Subtropical Storm	5/26/2018	133	4,921	37
Subtropical Storm	5/26/2018	1	373	373
Subtropical Storm	5/26/2018	1	160	160
Subtropical Storm	5/26/2018	1	78	78
Subtropical Storm	5/26/2018	4	232	58
Subtropical Storm	5/26/2018	2	208	104
Subtropical Storm	5/26/2018	1	170	170
Subtropical Storm	5/26/2018	1	95	95
Subtropical Storm	5/26/2018	1	120	120
Subtropical Storm	5/26/2018	1	107	107
Subtropical Storm	5/26/2018	1	220	220
Subtropical Storm	5/26/2018	2	88	44
Subtropical Storm	5/26/2018	1	90	90
Subtropical Storm	5/26/2018	443	24,385	179
Subtropical Storm	5/26/2018	1	95	95
Subtropical Storm	5/26/2018	20	1,300	65
Subtropical Storm	5/26/2018	2	489	272
Subtropical Storm	5/26/2018	1	6	6

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/26/2018	1	19	19
Subtropical Storm	5/26/2018	17	2,839	167
Subtropical Storm	5/26/2018	3	246	82
Subtropical Storm	5/26/2018	4	324	81
Subtropical Storm	5/26/2018	5	420	84
Subtropical Storm	5/26/2018	1	183	183
Subtropical Storm	5/26/2018	1	124	124
Subtropical Storm	5/26/2018	1	89	89
Subtropical Storm	5/26/2018	3	942	314
Subtropical Storm	5/26/2018	1	120	120
Subtropical Storm	5/26/2018	2	96	48
Subtropical Storm	5/26/2018	6	2,148	358
Subtropical Storm	5/26/2018	1	37	37
Subtropical Storm	5/26/2018	1	108	108
Subtropical Storm	5/26/2018	1	153	153
Subtropical Storm	5/26/2018	1	79	79
Subtropical Storm	5/26/2018	4	356	89
Subtropical Storm	5/26/2018	50	5,450	109
Subtropical Storm	5/26/2018	6	1,548	258
Subtropical Storm	5/26/2018	9	558	62
Subtropical Storm	5/26/2018	1	28	28
Subtropical Storm	5/26/2018	1	409	409
Subtropical Storm	5/26/2018	12	2,556	213
Subtropical Storm	5/26/2018	2	92	46
Subtropical Storm	5/26/2018	1	257	257
Subtropical Storm	5/26/2018	40	2,480	62
Subtropical Storm	5/26/2018	6	846	141
Subtropical Storm	5/26/2018	2	88	44
Subtropical Storm	5/26/2018	10	1,010	101
Subtropical Storm	5/26/2018	27	1,350	50
Subtropical Storm	5/26/2018	35	2,100	60
Subtropical Storm	5/26/2018	36	8,172	227
Subtropical Storm	5/26/2018	48	3,936	82
Subtropical Storm	5/26/2018	11	836	76
Subtropical Storm	5/26/2018	1	141	141
Subtropical Storm	5/26/2018	2	78	39
Subtropical Storm	5/26/2018	48	7,424	328
Subtropical Storm	5/26/2018	5	245	49
Subtropical Storm	5/26/2018	4	216	54
Subtropical Storm	5/26/2018	1	250	250
Subtropical Storm	5/26/2018	1	39	39
Subtropical Storm	5/26/2018	8	3,064	383
Subtropical Storm	5/26/2018	7	343	49
Subtropical Storm	5/26/2018	1	45	45
Subtropical Storm	5/26/2018	9	2,025	225
Subtropical Storm	5/26/2018	3	123	41
Subtropical Storm	5/26/2018	3	234	78
Subtropical Storm	5/26/2018	4	248	62
Subtropical Storm	5/26/2018	8	576	72
Subtropical Storm	5/26/2018	1	315	315
Subtropical Storm	5/26/2018	1	22	22
Subtropical Storm	5/26/2018	1	89	89
Subtropical Storm	5/26/2018	3	1,161	387

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/26/2018	1	207	207
Subtropical Storm	5/26/2018	817	42,490	58
Subtropical Storm	5/26/2018	1	15	15
Subtropical Storm	5/26/2018	1	230	230
Subtropical Storm	5/26/2018	1	45	45
Subtropical Storm	5/26/2018	9	1,440	160
Subtropical Storm	5/26/2018	15	3,660	244
Subtropical Storm	5/26/2018	11	2,772	252
Subtropical Storm	5/26/2018	1	140	140
Subtropical Storm	5/26/2018	5	810	162
Subtropical Storm	5/26/2018	1	133	133
Subtropical Storm	5/26/2018	6	312	52
Subtropical Storm	5/26/2018	2	674	337
Subtropical Storm	5/26/2018	2	460	230
Subtropical Storm	5/26/2018	10	2,067	234
Subtropical Storm	5/26/2018	1	109	109
Subtropical Storm	5/26/2018	5	210	42
Subtropical Storm	5/26/2018	1	11	11
Subtropical Storm	5/26/2018	1	60	60
Subtropical Storm	5/26/2018	1	157	157
Subtropical Storm	5/26/2018	1	9	9
Subtropical Storm	5/26/2018	1	23	23
Subtropical Storm	5/26/2018	49	2,401	49
Subtropical Storm	5/26/2018	50	7,550	151
Subtropical Storm	5/26/2018	1	104	104
Subtropical Storm	5/26/2018	1	71	71
Subtropical Storm	5/26/2018	16	2,160	135
Subtropical Storm	5/26/2018	13	273	21
Subtropical Storm	5/26/2018	1	115	115
Subtropical Storm	5/26/2018	1	123	123
Subtropical Storm	5/26/2018	1	30	30
Subtropical Storm	5/26/2018	2	134	67
Subtropical Storm	5/26/2018	1	110	110
Subtropical Storm	5/26/2018	32	10,432	326
Subtropical Storm	5/26/2018	1	115	115
Subtropical Storm	5/26/2018	1	168	168
Subtropical Storm	5/26/2018	8	560	70
Subtropical Storm	5/26/2018	1	229	229
Subtropical Storm	5/26/2018	2	40	20
Subtropical Storm	5/26/2018	1	141	141
Subtropical Storm	5/26/2018	13	1,391	107
Subtropical Storm	5/26/2018	30	6,930	231
Subtropical Storm	5/26/2018	34	3,332	98
Subtropical Storm	5/26/2018	2	102	51
Subtropical Storm	5/26/2018	4	664	166
Subtropical Storm	5/26/2018	8	872	109
Subtropical Storm	5/26/2018	13	5,057	389
Subtropical Storm	5/26/2018	1	154	154
Subtropical Storm	5/26/2018	74	5,994	81
Subtropical Storm	5/26/2018	41	2,009	49
Subtropical Storm	5/26/2018	10	3,010	301
Subtropical Storm	5/26/2018	3	585	195
Subtropical Storm	5/26/2018	16	80	5

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/26/2018	2	16	8
Subtropical Storm	5/26/2018	3	603	201
Subtropical Storm	5/26/2018	1	99	99
Subtropical Storm	5/26/2018	1	16	16
Subtropical Storm	5/26/2018	1	41	41
Subtropical Storm	5/26/2018	2	410	205
Subtropical Storm	5/26/2018	20	480	24
Subtropical Storm	5/26/2018	1	181	181
Subtropical Storm	5/26/2018	9	441	49
Subtropical Storm	5/26/2018	1	35	35
Subtropical Storm	5/26/2018	8	2,384	298
Subtropical Storm	5/26/2018	1	1,042	1,042
Subtropical Storm	5/26/2018	1	208	208
Subtropical Storm	5/26/2018	1	200	200
Subtropical Storm	5/26/2018	1	132	132
Subtropical Storm	5/26/2018	10	320	32
Subtropical Storm	5/26/2018	1	80	80
Subtropical Storm	5/26/2018	1	207	207
Subtropical Storm	5/26/2018	11	275	25
Subtropical Storm	5/26/2018	2	84	42
Subtropical Storm	5/26/2018	1	9	9
Subtropical Storm	5/26/2018	1	128	128
Subtropical Storm	5/26/2018	1	48	48
Subtropical Storm	5/26/2018	1	206	206
Subtropical Storm	5/26/2018	34	15,877	667
Subtropical Storm	5/26/2018	1	43	43
Subtropical Storm	5/26/2018	2	284	142
Subtropical Storm	5/26/2018	6	870	145
Subtropical Storm	5/26/2018	1	39	39
Subtropical Storm	5/26/2018	1	169	169
Subtropical Storm	5/26/2018	25	3,175	127
Subtropical Storm	5/26/2018	1	86	86
Subtropical Storm	5/26/2018	10	690	69
Subtropical Storm	5/26/2018	1	34	34
Subtropical Storm	5/26/2018	31	8,866	286
Subtropical Storm	5/26/2018	21	5,376	256
Subtropical Storm	5/26/2018	1	72	72
Subtropical Storm	5/26/2018	1	19	19
Subtropical Storm	5/26/2018	2	284	142
Subtropical Storm	5/26/2018	1	101	101
Subtropical Storm	5/26/2018	1	161	161
Subtropical Storm	5/26/2018	25	2,225	89
Subtropical Storm	5/26/2018	16	1,433	98
Subtropical Storm	5/26/2018	1	114	114
Subtropical Storm	5/26/2018	1	29	29
Subtropical Storm	5/26/2018	9	558	62
Subtropical Storm	5/26/2018	54	3,932	198
Subtropical Storm	5/26/2018	18	324	18
Subtropical Storm	5/26/2018	1	146	146
Subtropical Storm	5/26/2018	7	1,057	151
Subtropical Storm	5/26/2018	2	114	57
Subtropical Storm	5/26/2018	1	166	166
Subtropical Storm	5/26/2018	9	1,692	188

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/26/2018	24	744	31
Subtropical Storm	5/26/2018	1	185	185
Subtropical Storm	5/26/2018	31	1,953	63
Subtropical Storm	5/26/2018	76	1,520	20
Subtropical Storm	5/26/2018	1	96	96
Subtropical Storm	5/26/2018	1	11	11
Subtropical Storm	5/26/2018	5	3,430	686
Subtropical Storm	5/26/2018	1	7	7
Subtropical Storm	5/26/2018	1	244	244
Subtropical Storm	5/26/2018	138	7,866	57
Subtropical Storm	5/26/2018	74	13,468	182
Subtropical Storm	5/26/2018	5	280	56
Subtropical Storm	5/26/2018	1	102	102
Subtropical Storm	5/26/2018	1	82	82
Subtropical Storm	5/26/2018	1	23	23
Subtropical Storm	5/26/2018	1	237	237
Subtropical Storm	5/26/2018	1	84	84
Subtropical Storm	5/26/2018	7	112	16
Subtropical Storm	5/26/2018	2	70	35
Subtropical Storm	5/26/2018	4	168	42
Subtropical Storm	5/26/2018	6	1,164	194
Subtropical Storm	5/26/2018	22	3,058	139
Subtropical Storm	5/26/2018	21	3,381	161
Subtropical Storm	5/26/2018	1	285	285
Subtropical Storm	5/26/2018	1	669	669
Subtropical Storm	5/26/2018	3	1,803	601
Subtropical Storm	5/26/2018	64	12,992	203
Subtropical Storm	5/26/2018	4	444	276
Subtropical Storm	5/26/2018	6	480	80
Subtropical Storm	5/26/2018	3	78	26
Subtropical Storm	5/26/2018	2,352	2,352	1
Subtropical Storm	5/26/2018	1	62	62
Subtropical Storm	5/26/2018	1	601	601
Subtropical Storm	5/26/2018	2	440	220
Subtropical Storm	5/26/2018	2	134	67
Subtropical Storm	5/26/2018	1	199	199
Subtropical Storm	5/26/2018	1	147	147
Subtropical Storm	5/26/2018	3	237	79
Subtropical Storm	5/26/2018	1	77	77
Subtropical Storm	5/26/2018	131	8,253	63
Subtropical Storm	5/26/2018	17	799	47
Subtropical Storm	5/26/2018	1,755	7,020	4
Subtropical Storm	5/26/2018	4	1,348	337
Subtropical Storm	5/26/2018	2	1,064	532
Subtropical Storm	5/26/2018	1	8	8
Subtropical Storm	5/26/2018	6	1,206	201
Subtropical Storm	5/27/2018	5	850	170
Subtropical Storm	5/27/2018	1	210	210
Subtropical Storm	5/27/2018	5	95	19
Subtropical Storm	5/27/2018	26	10,452	402
Subtropical Storm	5/27/2018	67	7,705	115
Subtropical Storm	5/27/2018	1	31	31
Subtropical Storm	5/27/2018	9	4,212	468

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/27/2018	17	2,601	153
Subtropical Storm	5/27/2018	24	7,128	297
Subtropical Storm	5/27/2018	34	3,162	93
Subtropical Storm	5/27/2018	10	2,680	268
Subtropical Storm	5/27/2018	3	642	214
Subtropical Storm	5/27/2018	53	3,922	74
Subtropical Storm	5/27/2018	10	2,245	360
Subtropical Storm	5/27/2018	7	119	17
Subtropical Storm	5/27/2018	56	3,976	71
Subtropical Storm	5/27/2018	1	29	29
Subtropical Storm	5/27/2018	6	3,582	597
Subtropical Storm	5/27/2018	122	52,260	450
Subtropical Storm	5/27/2018	1	51	51
Subtropical Storm	5/27/2018	1	75	75
Subtropical Storm	5/27/2018	54	4,536	84
Subtropical Storm	5/27/2018	6	294	49
Subtropical Storm	5/27/2018	1	349	349
Subtropical Storm	5/27/2018	1	369	369
Subtropical Storm	5/27/2018	8	1,504	188
Subtropical Storm	5/27/2018	10	2,800	280
Subtropical Storm	5/27/2018	1	52	52
Subtropical Storm	5/27/2018	5	500	100
Subtropical Storm	5/27/2018	8	2,264	283
Subtropical Storm	5/27/2018	8	2,120	265
Subtropical Storm	5/27/2018	47	5,208	300
Subtropical Storm	5/27/2018	8	880	110
Subtropical Storm	5/27/2018	1	120	120
Subtropical Storm	5/27/2018	1	44	44
Subtropical Storm	5/27/2018	1	79	79
Subtropical Storm	5/27/2018	1	3	3
Subtropical Storm	5/27/2018	139	13,483	97
Subtropical Storm	5/27/2018	94	30,832	328
Subtropical Storm	5/27/2018	1	90	90
Subtropical Storm	5/27/2018	1	2	2
Subtropical Storm	5/27/2018	29	3,857	133
Subtropical Storm	5/27/2018	5	2,140	428
Subtropical Storm	5/27/2018	36	4,212	117
Subtropical Storm	5/27/2018	561	25,494	50
Subtropical Storm	5/27/2018	6	2,130	355
Subtropical Storm	5/27/2018	12	3,624	302
Subtropical Storm	5/27/2018	221	17,510	84
Subtropical Storm	5/27/2018	8	2,880	360
Subtropical Storm	5/27/2018	110	3,745	47
Subtropical Storm	5/27/2018	1	222	222
Subtropical Storm	5/27/2018	5	1,805	361
Subtropical Storm	5/27/2018	8	704	88
Subtropical Storm	5/27/2018	9	495	55
Subtropical Storm	5/27/2018	13	1,162	370
Subtropical Storm	5/27/2018	23	4,048	176
Subtropical Storm	5/27/2018	25	1,850	74
Subtropical Storm	5/27/2018	47	2,350	50
Subtropical Storm	5/27/2018	5	1,125	225
Subtropical Storm	5/27/2018	16	2,944	184

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/27/2018	23	4,692	204
Subtropical Storm	5/27/2018	59	6,639	249
Subtropical Storm	5/27/2018	64	11,706	285
Subtropical Storm	5/27/2018	101	22,321	221
Subtropical Storm	5/27/2018	10	1,190	119
Subtropical Storm	5/27/2018	1	27	27
Subtropical Storm	5/27/2018	7	2,835	405
Subtropical Storm	5/27/2018	9	2,457	273
Subtropical Storm	5/27/2018	4	1,120	280
Subtropical Storm	5/27/2018	1	9	9
Subtropical Storm	5/27/2018	1	220	220
Subtropical Storm	5/27/2018	11	1,936	176
Subtropical Storm	5/27/2018	3	519	173
Subtropical Storm	5/27/2018	14	8,540	610
Subtropical Storm	5/27/2018	16	1,328	83
Subtropical Storm	5/27/2018	1	267	267
Subtropical Storm	5/27/2018	1	146	146
Subtropical Storm	5/27/2018	7	343	49
Subtropical Storm	5/27/2018	12	2,904	242
Subtropical Storm	5/27/2018	26	2,106	81
Subtropical Storm	5/27/2018	920	72,501	107
Subtropical Storm	5/27/2018	73	73	1
Subtropical Storm	5/27/2018	1	313	313
Subtropical Storm	5/27/2018	44	4,620	105
Subtropical Storm	5/27/2018	5	1,855	371
Subtropical Storm	5/27/2018	8	1,432	179
Subtropical Storm	5/27/2018	144	24,364	313
Subtropical Storm	5/27/2018	1	251	251
Subtropical Storm	5/27/2018	5	1,260	252
Subtropical Storm	5/27/2018	2	648	324
Subtropical Storm	5/27/2018	2	182	91
Subtropical Storm	5/27/2018	170	510	3
Subtropical Storm	5/27/2018	10	2,170	217
Subtropical Storm	5/27/2018	10	4,470	447
Subtropical Storm	5/27/2018	132	10,296	78
Subtropical Storm	5/27/2018	97	10,363	177
Subtropical Storm	5/27/2018	6	870	145
Subtropical Storm	5/27/2018	396	35,442	154
Subtropical Storm	5/27/2018	8	168	21
Subtropical Storm	5/27/2018	1	201	201
Subtropical Storm	5/27/2018	41	5,494	134
Subtropical Storm	5/27/2018	6	678	113
Subtropical Storm	5/27/2018	1	96	96
Subtropical Storm	5/27/2018	1	362	362
Subtropical Storm	5/27/2018	20	4,260	213
Subtropical Storm	5/27/2018	1	303	303
Subtropical Storm	5/27/2018	1	26	26
Subtropical Storm	5/27/2018	1	70	70
Subtropical Storm	5/27/2018	73	1,781	421
Subtropical Storm	5/27/2018	1	63	63
Subtropical Storm	5/27/2018	8	1,360	170
Subtropical Storm	5/27/2018	44	3,520	80
Subtropical Storm	5/27/2018	7	2,359	337

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/27/2018	5	295	59
Subtropical Storm	5/27/2018	70	18,082	261
Subtropical Storm	5/27/2018	14	644	46
Subtropical Storm	5/27/2018	1	93	93
Subtropical Storm	5/27/2018	2	232	116
Subtropical Storm	5/27/2018	12	708	59
Subtropical Storm	5/27/2018	2	296	213
Subtropical Storm	5/27/2018	7	588	84
Subtropical Storm	5/27/2018	1,216	29,740	271
Subtropical Storm	5/27/2018	10	3,520	352
Subtropical Storm	5/27/2018	7	896	128
Subtropical Storm	5/27/2018	1	153	153
Subtropical Storm	5/27/2018	1	21	21
Subtropical Storm	5/27/2018	3	597	199
Subtropical Storm	5/27/2018	4	792	198
Subtropical Storm	5/27/2018	3	552	184
Subtropical Storm	5/27/2018	6	2,058	343
Subtropical Storm	5/27/2018	3	159	53
Subtropical Storm	5/27/2018	7	2,639	377
Subtropical Storm	5/27/2018	10	190	19
Subtropical Storm	5/27/2018	8	904	113
Subtropical Storm	5/27/2018	5	460	92
Subtropical Storm	5/27/2018	1	101	101
Subtropical Storm	5/27/2018	3	129	43
Subtropical Storm	5/27/2018	1	33	33
Subtropical Storm	5/27/2018	89	28,843	347
Subtropical Storm	5/27/2018	3	369	123
Subtropical Storm	5/27/2018	4	120	30
Subtropical Storm	5/27/2018	3	366	122
Subtropical Storm	5/27/2018	1	39	39
Subtropical Storm	5/27/2018	161	17,125	586
Subtropical Storm	5/27/2018	2	206	103
Subtropical Storm	5/27/2018	8	392	49
Subtropical Storm	5/27/2018	4	288	72
Subtropical Storm	5/27/2018	11	1,056	96
Subtropical Storm	5/27/2018	1	150	150
Subtropical Storm	5/27/2018	12	852	71
Subtropical Storm	5/27/2018	30	1,410	47
Subtropical Storm	5/27/2018	17	3,536	208
Subtropical Storm	5/27/2018	4	608	152
Subtropical Storm	5/27/2018	1	63	63
Subtropical Storm	5/27/2018	1	25	25
Subtropical Storm	5/27/2018	1	180	180
Subtropical Storm	5/27/2018	3	183	61
Subtropical Storm	5/27/2018	13	104	8
Subtropical Storm	5/27/2018	2	248	124
Subtropical Storm	5/27/2018	1	45	45
Subtropical Storm	5/27/2018	1	36	36
Subtropical Storm	5/27/2018	1	201	201
Subtropical Storm	5/27/2018	24	2,208	92
Subtropical Storm	5/27/2018	1	196	196
Subtropical Storm	5/27/2018	3	153	51
Subtropical Storm	5/27/2018	4	488	122

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/27/2018	1	82	82
Subtropical Storm	5/27/2018	2,023	18,207	9
Subtropical Storm	5/27/2018	1	147	147
Subtropical Storm	5/27/2018	9	1,683	187
Subtropical Storm	5/27/2018	2	300	150
Subtropical Storm	5/27/2018	1	55	55
Subtropical Storm	5/27/2018	24	3,072	128
Subtropical Storm	5/27/2018	5	670	134
Subtropical Storm	5/27/2018	15	1,354	101
Subtropical Storm	5/27/2018	80	4,020	149
Subtropical Storm	5/27/2018	1,391	9,737	7
Subtropical Storm	5/27/2018	14	2,506	179
Subtropical Storm	5/27/2018	2	422	211
Subtropical Storm	5/27/2018	1	26	26
Subtropical Storm	5/27/2018	2	248	124
Subtropical Storm	5/27/2018	2	228	114
Subtropical Storm	5/27/2018	1	58	58
Subtropical Storm	5/27/2018	6	954	159
Subtropical Storm	5/27/2018	1	29	29
Subtropical Storm	5/27/2018	4	808	202
Subtropical Storm	5/27/2018	1	94	94
Subtropical Storm	5/27/2018	4	148	37
Subtropical Storm	5/27/2018	1	251	251
Subtropical Storm	5/27/2018	1	111	111
Subtropical Storm	5/27/2018	1	80	80
Subtropical Storm	5/27/2018	7	1,505	215
Subtropical Storm	5/27/2018	6	494	187
Subtropical Storm	5/27/2018	16	1,440	90
Subtropical Storm	5/27/2018	12	1,116	93
Subtropical Storm	5/27/2018	12	2,676	223
Subtropical Storm	5/27/2018	1	31	31
Subtropical Storm	5/27/2018	8	264	33
Subtropical Storm	5/27/2018	172	11,008	64
Subtropical Storm	5/27/2018	2	182	91
Subtropical Storm	5/27/2018	3	174	58
Subtropical Storm	5/27/2018	6	408	68
Subtropical Storm	5/27/2018	1	98	98
Subtropical Storm	5/27/2018	1	94	94
Subtropical Storm	5/27/2018	1	29	29
Subtropical Storm	5/27/2018	26	1,924	74
Subtropical Storm	5/27/2018	9	1,890	210
Subtropical Storm	5/27/2018	13	2,938	226
Subtropical Storm	5/27/2018	1	42	42
Subtropical Storm	5/27/2018	3	165	55
Subtropical Storm	5/27/2018	1	186	186
Subtropical Storm	5/27/2018	1	136	136
Subtropical Storm	5/27/2018	1	172	172
Subtropical Storm	5/27/2018	1	109	109
Subtropical Storm	5/27/2018	1	176	176
Subtropical Storm	5/27/2018	1	67	67
Subtropical Storm	5/27/2018	4	316	79
Subtropical Storm	5/27/2018	8	176	22
Subtropical Storm	5/27/2018	1	52	52

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/27/2018	9	766	262
Subtropical Storm	5/27/2018	1	19	19
Subtropical Storm	5/27/2018	1	109	109
Subtropical Storm	5/27/2018	8	416	52
Subtropical Storm	5/27/2018	40	1,680	42
Subtropical Storm	5/27/2018	1	153	153
Subtropical Storm	5/27/2018	1	26	26
Subtropical Storm	5/27/2018	2	338	169
Subtropical Storm	5/27/2018	1	59	59
Subtropical Storm	5/27/2018	1	208	208
Subtropical Storm	5/27/2018	8	504	63
Subtropical Storm	5/27/2018	36	5,832	162
Subtropical Storm	5/27/2018	3	285	95
Subtropical Storm	5/27/2018	5	215	43
Subtropical Storm	5/27/2018	1	3	3
Subtropical Storm	5/27/2018	1	182	182
Subtropical Storm	5/27/2018	1	175	175
Subtropical Storm	5/27/2018	8	344	43
Subtropical Storm	5/27/2018	7	826	118
Subtropical Storm	5/27/2018	1	99	99
Subtropical Storm	5/27/2018	15	1,215	81
Subtropical Storm	5/27/2018	21	126	6
Subtropical Storm	5/27/2018	1	36	36
Subtropical Storm	5/27/2018	14	168	12
Subtropical Storm	5/27/2018	1	90	90
Subtropical Storm	5/27/2018	6	216	36
Subtropical Storm	5/27/2018	1	107	107
Subtropical Storm	5/27/2018	4	144	36
Subtropical Storm	5/27/2018	8	544	68
Subtropical Storm	5/27/2018	4	280	70
Subtropical Storm	5/27/2018	12	192	16
Subtropical Storm	5/27/2018	1	10	10
Subtropical Storm	5/27/2018	1	14	14
Subtropical Storm	5/27/2018	1	132	132
Subtropical Storm	5/27/2018	39	2,769	71
Subtropical Storm	5/27/2018	14	1,288	92
Subtropical Storm	5/27/2018	110	6,843	111
Subtropical Storm	5/27/2018	4	552	138
Subtropical Storm	5/27/2018	1	163	163
Subtropical Storm	5/27/2018	2	262	131
Subtropical Storm	5/27/2018	16	3,984	249
Subtropical Storm	5/27/2018	10	2,930	293
Subtropical Storm	5/27/2018	3	222	74
Subtropical Storm	5/27/2018	18	1,314	73
Subtropical Storm	5/27/2018	8	1,272	159
Subtropical Storm	5/27/2018	1	255	255
Subtropical Storm	5/27/2018	6	648	108
Subtropical Storm	5/27/2018	5	932	204
Subtropical Storm	5/27/2018	18	3,492	194
Subtropical Storm	5/27/2018	8	1,888	236
Subtropical Storm	5/27/2018	4	1,456	364
Subtropical Storm	5/27/2018	1	31	31
Subtropical Storm	5/27/2018	49	2,744	56

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/27/2018	1	54	54
Subtropical Storm	5/27/2018	6	1,446	241
Subtropical Storm	5/27/2018	1	71	71
Subtropical Storm	5/27/2018	1	39	39
Subtropical Storm	5/27/2018	2	84	42
Subtropical Storm	5/27/2018	10	1,840	184
Subtropical Storm	5/27/2018	1	14	14
Subtropical Storm	5/27/2018	1	120	120
Subtropical Storm	5/27/2018	681	4,086	6
Subtropical Storm	5/27/2018	8	200	25
Subtropical Storm	5/27/2018	4	268	67
Subtropical Storm	5/27/2018	1	70	70
Subtropical Storm	5/27/2018	5	1,300	260
Subtropical Storm	5/27/2018	1	72	72
Subtropical Storm	5/27/2018	5	505	101
Subtropical Storm	5/27/2018	1	145	145
Subtropical Storm	5/27/2018	9	3,177	353
Subtropical Storm	5/27/2018	1	149	149
Subtropical Storm	5/27/2018	2	218	109
Subtropical Storm	5/27/2018	1	116	116
Subtropical Storm	5/27/2018	9	1,116	124
Subtropical Storm	5/27/2018	1	221	221
Subtropical Storm	5/27/2018	1	67	67
Subtropical Storm	5/27/2018	1	11	11
Subtropical Storm	5/27/2018	6	570	95
Subtropical Storm	5/27/2018	7	1,638	234
Subtropical Storm	5/27/2018	1	92	92
Subtropical Storm	5/27/2018	1	77	77
Subtropical Storm	5/27/2018	1	47	47
Subtropical Storm	5/27/2018	4	220	55
Subtropical Storm	5/27/2018	1	434	434
Subtropical Storm	5/27/2018	1	20	20
Subtropical Storm	5/27/2018	8	64	8
Subtropical Storm	5/27/2018	4	260	65
Subtropical Storm	5/27/2018	1	34	34
Subtropical Storm	5/27/2018	1	68	68
Subtropical Storm	5/27/2018	1,464	7,320	5
Subtropical Storm	5/27/2018	1	189	189
Subtropical Storm	5/27/2018	18	540	30
Subtropical Storm	5/27/2018	4	112	28
Subtropical Storm	5/27/2018	1	201	201
Subtropical Storm	5/27/2018	16	2,432	152
Subtropical Storm	5/27/2018	6	636	106
Subtropical Storm	5/27/2018	1	46	46
Subtropical Storm	5/27/2018	1	91	91
Subtropical Storm	5/27/2018	1	298	298
Subtropical Storm	5/27/2018	2	108	54
Subtropical Storm	5/27/2018	1	28	28
Subtropical Storm	5/27/2018	9	1,773	197
Subtropical Storm	5/27/2018	21	471	59
Subtropical Storm	5/27/2018	1	297	297
Subtropical Storm	5/27/2018	1	221	221
Subtropical Storm	5/27/2018	1	46	46

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/27/2018	8	2,520	315
Subtropical Storm	5/27/2018	1	114	114
Subtropical Storm	5/27/2018	1	571	571
Subtropical Storm	5/27/2018	1	212	212
Subtropical Storm	5/27/2018	8	1,712	214
Subtropical Storm	5/27/2018	13	2,665	456
Subtropical Storm	5/27/2018	452	55,174	197
Subtropical Storm	5/27/2018	1	1	1
Subtropical Storm	5/27/2018	1	306	306
Subtropical Storm	5/27/2018	3	116	112
Subtropical Storm	5/27/2018	27	1,080	40
Subtropical Storm	5/27/2018	17	1,802	106
Subtropical Storm	5/27/2018	1	104	104
Subtropical Storm	5/27/2018	1	111	111
Subtropical Storm	5/27/2018	4	344	86
Subtropical Storm	5/27/2018	12	1,728	144
Subtropical Storm	5/27/2018	10	930	93
Subtropical Storm	5/27/2018	1	372	372
Subtropical Storm	5/27/2018	23	5,106	222
Subtropical Storm	5/27/2018	1	239	239
Subtropical Storm	5/27/2018	4	184	46
Subtropical Storm	5/27/2018	2	334	167
Subtropical Storm	5/27/2018	9	297	33
Subtropical Storm	5/27/2018	6	972	162
Subtropical Storm	5/27/2018	8	1,072	134
Subtropical Storm	5/27/2018	1	20	20
Subtropical Storm	5/27/2018	1	23	23
Subtropical Storm	5/27/2018	10	1,746	192
Subtropical Storm	5/27/2018	1	208	208
Subtropical Storm	5/27/2018	8	56	7
Subtropical Storm	5/27/2018	9	2,457	273
Subtropical Storm	5/27/2018	5	490	98
Subtropical Storm	5/27/2018	9	3,113	389
Subtropical Storm	5/27/2018	4	148	37
Subtropical Storm	5/27/2018	1	45	45
Subtropical Storm	5/27/2018	1	20	20
Subtropical Storm	5/27/2018	1	92	92
Subtropical Storm	5/27/2018	8	480	60
Subtropical Storm	5/27/2018	6	762	127
Subtropical Storm	5/27/2018	1	240	240
Subtropical Storm	5/27/2018	1	171	171
Subtropical Storm	5/27/2018	1	169	169
Subtropical Storm	5/27/2018	2	232	116
Subtropical Storm	5/27/2018	14	686	49
Subtropical Storm	5/27/2018	1	127	127
Subtropical Storm	5/27/2018	1	11	11
Subtropical Storm	5/27/2018	21	2,121	101
Subtropical Storm	5/27/2018	81	9,315	115
Subtropical Storm	5/27/2018	3	555	185
Subtropical Storm	5/27/2018	1	569	569
Subtropical Storm	5/27/2018	70	10,880	213
Subtropical Storm	5/27/2018	1	1	428
Subtropical Storm	5/27/2018	11	979	89

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/27/2018	1	70	70
Subtropical Storm	5/27/2018	1	120	120
Subtropical Storm	5/27/2018	38	3,952	104
Subtropical Storm	5/27/2018	1	117	117
Subtropical Storm	5/27/2018	34	4,386	129
Subtropical Storm	5/27/2018	1	187	187
Subtropical Storm	5/27/2018	6	618	103
Subtropical Storm	5/27/2018	1	115	115
Subtropical Storm	5/27/2018	884	30,629	124
Subtropical Storm	5/27/2018	21	4,368	208
Subtropical Storm	5/27/2018	17	1,139	67
Subtropical Storm	5/27/2018	10	1,160	116
Subtropical Storm	5/27/2018	12	2,376	198
Subtropical Storm	5/27/2018	16	3,440	232
Subtropical Storm	5/27/2018	35	4,585	131
Subtropical Storm	5/27/2018	1	76	76
Subtropical Storm	5/27/2018	1	95	95
Subtropical Storm	5/27/2018	3	195	65
Subtropical Storm	5/27/2018	10	370	37
Subtropical Storm	5/27/2018	1	208	208
Subtropical Storm	5/27/2018	12	2,052	171
Subtropical Storm	5/27/2018	1	333	333
Subtropical Storm	5/27/2018	3	747	249
Subtropical Storm	5/27/2018	5	1,085	217
Subtropical Storm	5/27/2018	1	46	46
Subtropical Storm	5/27/2018	1	20	20
Subtropical Storm	5/27/2018	1	155	155
Subtropical Storm	5/27/2018	2	318	159
Subtropical Storm	5/27/2018	1	213	213
Subtropical Storm	5/27/2018	57	3,192	56
Subtropical Storm	5/27/2018	1	198	198
Subtropical Storm	5/27/2018	2	4	2
Subtropical Storm	5/27/2018	11	605	55
Subtropical Storm	5/27/2018	42	9,996	238
Subtropical Storm	5/27/2018	8	144	18
Subtropical Storm	5/27/2018	1	1	1
Subtropical Storm	5/27/2018	4	340	85
Subtropical Storm	5/27/2018	1	93	93
Subtropical Storm	5/27/2018	3	153	51
Subtropical Storm	5/27/2018	55	330	6
Subtropical Storm	5/27/2018	1	42	42
Subtropical Storm	5/27/2018	48	11,916	252
Subtropical Storm	5/27/2018	14	2,800	200
Subtropical Storm	5/27/2018	12	876	73
Subtropical Storm	5/27/2018	1	43	43
Subtropical Storm	5/27/2018	6	1,536	274
Subtropical Storm	5/27/2018	1	268	268
Subtropical Storm	5/27/2018	1	5	5
Subtropical Storm	5/27/2018	1	198	198
Subtropical Storm	5/27/2018	3	384	128
Subtropical Storm	5/27/2018	1	210	210
Subtropical Storm	5/27/2018	1	162	162
Subtropical Storm	5/27/2018	24	1,224	51

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/27/2018	3	300	100
Subtropical Storm	5/27/2018	8	784	98
Subtropical Storm	5/27/2018	1	198	198
Subtropical Storm	5/27/2018	2	244	122
Subtropical Storm	5/27/2018	1	22	22
Subtropical Storm	5/27/2018	11	264	24
Subtropical Storm	5/27/2018	1	123	123
Subtropical Storm	5/27/2018	16	6,672	417
Subtropical Storm	5/27/2018	4	1,288	322
Subtropical Storm	5/27/2018	4	16	4
Subtropical Storm	5/27/2018	128	7,872	133
Subtropical Storm	5/27/2018	1	332	332
Subtropical Storm	5/27/2018	1	74	74
Subtropical Storm	5/27/2018	1	40	40
Subtropical Storm	5/27/2018	1	117	117
Subtropical Storm	5/27/2018	1	138	138
Subtropical Storm	5/27/2018	1	109	109
Subtropical Storm	5/27/2018	17	1,819	107
Subtropical Storm	5/27/2018	3	243	81
Subtropical Storm	5/27/2018	20	1,860	93
Subtropical Storm	5/27/2018	76	17,392	334
Subtropical Storm	5/27/2018	1	36	36
Subtropical Storm	5/27/2018	1	268	268
Subtropical Storm	5/27/2018	3	783	261
Subtropical Storm	5/27/2018	10	320	32
Subtropical Storm	5/27/2018	11	3,069	279
Subtropical Storm	5/27/2018	1	159	159
Subtropical Storm	5/27/2018	1	285	285
Subtropical Storm	5/27/2018	72	14,250	239
Subtropical Storm	5/27/2018	1	7	7
Subtropical Storm	5/27/2018	50	5,400	108
Subtropical Storm	5/27/2018	1	58	58
Subtropical Storm	5/27/2018	1	14	14
Subtropical Storm	5/27/2018	5	185	37
Subtropical Storm	5/27/2018	41	1,353	33
Subtropical Storm	5/27/2018	1	153	153
Subtropical Storm	5/27/2018	1	56	56
Subtropical Storm	5/27/2018	4	260	65
Subtropical Storm	5/27/2018	1	88	88
Subtropical Storm	5/27/2018	4	1,028	257
Subtropical Storm	5/27/2018	1	48	48
Subtropical Storm	5/27/2018	3	135	45
Subtropical Storm	5/27/2018	1	60	60
Subtropical Storm	5/27/2018	1	66	66
Subtropical Storm	5/27/2018	2	708	354
Subtropical Storm	5/27/2018	2	444	222
Subtropical Storm	5/27/2018	1	21	21
Subtropical Storm	5/27/2018	1	86	86
Subtropical Storm	5/27/2018	1	138	138
Subtropical Storm	5/27/2018	39	107	35
Subtropical Storm	5/27/2018	2	360	180
Subtropical Storm	5/27/2018	1	128	128
Subtropical Storm	5/27/2018	1	655	655

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/27/2018	6	2,868	478
Subtropical Storm	5/27/2018	7	3,129	447
Subtropical Storm	5/27/2018	1	199	199
Subtropical Storm	5/27/2018	1	95	95
Subtropical Storm	5/27/2018	1	163	163
Subtropical Storm	5/27/2018	1	56	56
Subtropical Storm	5/27/2018	7	1,274	182
Subtropical Storm	5/27/2018	16	3,824	239
Subtropical Storm	5/27/2018	1	10	10
Subtropical Storm	5/27/2018	10	700	70
Subtropical Storm	5/27/2018	1	128	128
Subtropical Storm	5/27/2018	7	1,022	146
Subtropical Storm	5/27/2018	1	118	118
Subtropical Storm	5/27/2018	1	21	21
Subtropical Storm	5/27/2018	1	264	264
Subtropical Storm	5/27/2018	1	205	205
Subtropical Storm	5/27/2018	12	1,896	158
Subtropical Storm	5/27/2018	1	139	139
Subtropical Storm	5/27/2018	4	576	144
Subtropical Storm	5/27/2018	6	370	95
Subtropical Storm	5/27/2018	12	1,956	163
Subtropical Storm	5/27/2018	9	324	36
Subtropical Storm	5/27/2018	1	43	43
Subtropical Storm	5/27/2018	1	481	481
Subtropical Storm	5/27/2018	11	3,883	353
Subtropical Storm	5/27/2018	3	294	98
Subtropical Storm	5/27/2018	1	332	332
Subtropical Storm	5/27/2018	28	3,920	140
Subtropical Storm	5/27/2018	24	3,648	152
Subtropical Storm	5/27/2018	1	14	14
Subtropical Storm	5/27/2018	7	500	140
Subtropical Storm	5/27/2018	2	1,440	720
Subtropical Storm	5/27/2018	1	13	13
Subtropical Storm	5/27/2018	1	59	59
Subtropical Storm	5/27/2018	5	990	405
Subtropical Storm	5/27/2018	8	384	48
Subtropical Storm	5/27/2018	1	126	126
Subtropical Storm	5/27/2018	1	50	50
Subtropical Storm	5/27/2018	10	350	35
Subtropical Storm	5/27/2018	8	512	64
Subtropical Storm	5/27/2018	1	74	74
Subtropical Storm	5/27/2018	11	2,013	183
Subtropical Storm	5/27/2018	1	112	112
Subtropical Storm	5/27/2018	1	1	1
Subtropical Storm	5/27/2018	1	101	101
Subtropical Storm	5/27/2018	1	510	510
Subtropical Storm	5/27/2018	14	5,264	376
Subtropical Storm	5/27/2018	7	3,199	457
Subtropical Storm	5/27/2018	1	258	258
Subtropical Storm	5/27/2018	3	417	139
Subtropical Storm	5/27/2018	2	168	84
Subtropical Storm	5/27/2018	8	104	13
Subtropical Storm	5/27/2018	1	319	319

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/27/2018	1	43	43
Subtropical Storm	5/27/2018	1	299	299
Subtropical Storm	5/27/2018	1	33	33
Subtropical Storm	5/27/2018	2	658	329
Subtropical Storm	5/27/2018	1	35	35
Subtropical Storm	5/27/2018	6	870	145
Subtropical Storm	5/27/2018	4	516	129
Subtropical Storm	5/27/2018	4	252	63
Subtropical Storm	5/27/2018	3	261	87
Subtropical Storm	5/27/2018	31	7,006	226
Subtropical Storm	5/27/2018	2	586	293
Subtropical Storm	5/27/2018	11	3,894	354
Subtropical Storm	5/27/2018	1	64	64
Subtropical Storm	5/27/2018	1	88	88
Subtropical Storm	5/27/2018	1	15	15
Subtropical Storm	5/27/2018	1	278	278
Subtropical Storm	5/27/2018	1	137	137
Subtropical Storm	5/27/2018	4	84	21
Subtropical Storm	5/27/2018	1	830	830
Subtropical Storm	5/27/2018	3	585	195
Subtropical Storm	5/27/2018	1	228	228
Subtropical Storm	5/27/2018	1	32	32
Subtropical Storm	5/27/2018	2,282	4,564	2
Subtropical Storm	5/27/2018	121	4,235	35
Subtropical Storm	5/27/2018	110	21,214	393
Subtropical Storm	5/27/2018	1	242	242
Subtropical Storm	5/27/2018	42	3,531	388
Subtropical Storm	5/27/2018	9	144	16
Subtropical Storm	5/27/2018	17	1,785	105
Subtropical Storm	5/27/2018	1	521	521
Subtropical Storm	5/27/2018	79	42,186	534
Subtropical Storm	5/27/2018	7	273	39
Subtropical Storm	5/27/2018	197	6,149	65
Subtropical Storm	5/27/2018	138	8,004	58
Subtropical Storm	5/27/2018	1	208	208
Subtropical Storm	5/27/2018	66	10,899	714
Subtropical Storm	5/27/2018	15	105	7
Subtropical Storm	5/27/2018	1	704	704
Subtropical Storm	5/27/2018	1	123	123
Subtropical Storm	5/27/2018	4	28	7
Subtropical Storm	5/27/2018	1	32	32
Subtropical Storm	5/27/2018	22	4,444	202
Subtropical Storm	5/27/2018	8	216	27
Subtropical Storm	5/27/2018	7	427	61
Subtropical Storm	5/27/2018	1	140	140
Subtropical Storm	5/27/2018	1	37	37
Subtropical Storm	5/27/2018	1	439	439
Subtropical Storm	5/27/2018	45	12,501	781
Subtropical Storm	5/27/2018	190	7,980	42
Subtropical Storm	5/27/2018	1	201	201
Subtropical Storm	5/27/2018	6	186	31
Subtropical Storm	5/28/2018	1	330	330
Subtropical Storm	5/28/2018	4	208	52

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Subtropical Storm	5/28/2018	1	162	162
Subtropical Storm	5/28/2018	10	690	69
Subtropical Storm	5/28/2018	1	165	165
Subtropical Storm	5/28/2018	1	96	96
Subtropical Storm	5/28/2018	3	264	88
Subtropical Storm	5/28/2018	9	1,179	131
Subtropical Storm	5/28/2018	6	1,296	216
Subtropical Storm	5/28/2018	4	888	222
Subtropical Storm	5/28/2018	20	3,540	177
Subtropical Storm	5/28/2018	10	1,620	162
Subtropical Storm	5/28/2018	3	1,128	376
Subtropical Storm	5/28/2018	5	325	65
Subtropical Storm	5/28/2018	4	315	189
Subtropical Storm	5/28/2018	9	1,701	189
Subtropical Storm	5/28/2018	2	762	381
Subtropical Storm	5/28/2018	8	1,320	165
Subtropical Storm	5/28/2018	1	37	37
Subtropical Storm	5/28/2018	1	55	55
Subtropical Storm	5/28/2018	24	1,752	73
Subtropical Storm	5/28/2018	17	2,023	119
Subtropical Storm	5/28/2018	4	168	42
Subtropical Storm	5/28/2018	2	258	129
Subtropical Storm	5/28/2018	19	1,729	91
Subtropical Storm	5/28/2018	1	36	36
Subtropical Storm	5/28/2018	1	65	65
Subtropical Storm	5/28/2018	5	1,105	221
Subtropical Storm	5/28/2018	7	1,365	195
Subtropical Storm	5/28/2018	1	147	147
Tornado	7/5/2018	38	2,546	67
Tornado	7/5/2018	1,519	73,574	185
Tornado	7/5/2018	10	2,030	203
Tornado	7/5/2018	49	27,072	736
Tornado	7/5/2018	131	16,244	124
Tornado	7/5/2018	58	7,946	137
Tornado	7/5/2018	9	4,707	523
Tornado	7/5/2018	10	1,850	185
Tornado	7/5/2018	5	1,090	218
Tornado	7/5/2018	1	73	73
Tornado	7/5/2018	16	2,224	139
Tornado	7/5/2018	4	828	207
Tornado	7/5/2018	1	276	276
Tornado	7/5/2018	1	20	20
Tornado	7/5/2018	1	168	168
Tornado	7/5/2018	12	3,276	273
Tornado	7/5/2018	1	242	242
Tornado	7/5/2018	1	156	156
Tornado	7/5/2018	1	234	234
Tornado	7/5/2018	11	608	488
Tornado	7/5/2018	8	2,816	352
Tornado	7/5/2018	1	661	661
Tornado	7/5/2018	1	209	209
Tornado	7/5/2018	55	6,270	114
Tornado	7/5/2018	26	3,302	127

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	7/5/2018	1	187	187
Tornado	7/5/2018	1	160	160
Tornado	7/5/2018	1	196	196
Tornado	7/5/2018	1	392	392
Tornado	7/5/2018	5	655	131
Tornado	7/5/2018	11	44	4
Tornado	7/5/2018	1	250	250
Tornado	7/5/2018	24	3,264	136
Tornado	7/5/2018	1	196	196
Tornado	7/5/2018	10	3,470	347
Tornado	7/5/2018	1	148	148
Tornado	7/5/2018	1	231	231
Tornado	7/5/2018	2	224	112
Tornado	7/5/2018	1	371	371
Tornado	7/5/2018	5	135	27
Tornado	7/5/2018	13	117	9
Tornado	7/5/2018	83	996	12
Tornado	7/5/2018	79	15,168	192
Tornado	7/5/2018	1	341	341
Tornado	7/5/2018	1	49	49
Tornado	7/5/2018	3	285	95
Tornado	7/5/2018	1	22	22
Tornado	7/5/2018	1	251	251
Tornado	7/5/2018	1	65	65
Tornado	7/5/2018	8	1,144	143
Tornado	7/5/2018	8	304	38
Tornado	7/5/2018	1	55	55
Tornado	7/5/2018	4	868	217
Tornado	7/5/2018	33	3,828	116
Tornado	7/5/2018	1	161	161
Tornado	7/5/2018	13	4,438	346
Tornado	7/5/2018	2	96	48
Tornado	7/5/2018	2	92	46
Tornado	7/5/2018	1	31	31
Tornado	7/5/2018	25	3,700	148
Tornado	7/5/2018	4	260	65
Tornado	7/5/2018	1	12	12
Tornado	7/5/2018	8	2,472	309
Tornado	7/5/2018	66	7,722	117
Tornado	7/5/2018	4	1,228	307
Tornado	7/5/2018	1	132	132
Tornado	7/5/2018	20	3,380	169
Tornado	7/5/2018	7	2,072	296
Tornado	7/5/2018	2	104	52
Tornado	7/5/2018	15	2,115	141
Tornado	7/5/2018	1	120	120
Tornado	7/5/2018	2	654	327
Tornado	7/5/2018	4	228	57
Tornado	7/5/2018	4	728	182
Tornado	7/5/2018	24	2,232	106
Tornado	7/5/2018	1	97	97
Tornado	7/5/2018	2	26	13
Tornado	7/5/2018	1	87	87

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	7/5/2018	2	208	104
Tornado	7/5/2018	19	4,446	234
Tornado	7/5/2018	20	2,620	131
Tornado	7/5/2018	1	641	641
Tornado	7/5/2018	1	277	277
Tornado	7/5/2018	1	300	300
Tornado	7/5/2018	8	120	15
Tornado	7/5/2018	1	150	150
Tornado	7/5/2018	1	54	54
Tornado	7/5/2018	1	72	72
Tornado	7/5/2018	1	154	154
Tornado	7/5/2018	1	238	238
Tornado	7/5/2018	1	195	195
Tornado	7/5/2018	4	1,724	431
Tornado	7/5/2018	1	200	200
Tornado	7/5/2018	10	3,730	373
Tornado	7/5/2018	1	33	33
Tornado	7/5/2018	1	448	448
Tornado	7/5/2018	29	2,570	100
Tornado	7/5/2018	790	32,182	54
Tornado	7/5/2018	3	561	187
Tornado	7/5/2018	15	1,365	91
Tornado	7/5/2018	41	7,339	179
Tornado	7/5/2018	12	2,052	171
Tornado	7/5/2018	23	2,162	94
Tornado	7/5/2018	13	5,005	385
Tornado	7/5/2018	12	1,056	88
Tornado	7/5/2018	1	241	241
Tornado	7/5/2018	16	3,584	224
Tornado	7/5/2018	9	1,611	179
Tornado	7/5/2018	8	2,584	323
Tornado	7/25/2018	101	4,545	45
Tornado	7/25/2018	1	26	26
Tornado	7/25/2018	6	396	66
Tornado	7/25/2018	5	440	88
Tornado	7/25/2018	1	32	32
Tornado	7/25/2018	8	1,016	127
Tornado	7/25/2018	8	912	114
Tornado	7/25/2018	2	76	38
Tornado	7/25/2018	1	87	87
Tornado	7/25/2018	8	768	96
Tornado	7/25/2018	6	234	39
Tornado	7/25/2018	2	118	59
Tornado	7/25/2018	5	40	8
Tornado	7/25/2018	7	224	32
Tornado	7/25/2018	7	133	19
Tornado	7/25/2018	14	784	56
Tornado	7/25/2018	1	74	74
Tornado	7/25/2018	2	786	393
Tornado	7/25/2018	7	119	17
Tornado	7/25/2018	43	3,655	85
Tornado	7/25/2018	65	4,810	74
Tornado	7/25/2018	1	291	291

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	7/25/2018	10	260	26
Tornado	7/25/2018	6	42	7
Tornado	7/25/2018	8	712	89
Tornado	7/25/2018	1	279	279
Tornado	7/25/2018	623	14,952	24
Tornado	7/25/2018	1	199	199
Tornado	7/25/2018	10	423	64
Tornado	7/25/2018	16	1,892	392
Tornado	7/25/2018	3	171	57
Tornado	7/25/2018	7	357	51
Tornado	7/25/2018	12	804	67
Tornado	7/25/2018	33	1,089	33
Tornado	7/25/2018	1	1	1
Tornado	7/25/2018	1	159	159
Tornado	7/25/2018	1	123	123
Tornado	7/25/2018	7	266	38
Tornado	7/25/2018	29	3,596	124
Tropical Storm	9/3/2018	3	1,854	618
Tropical Storm	9/3/2018	8	1,200	150
Tropical Storm	9/3/2018	5	820	164
Tropical Storm	9/3/2018	1	704	704
Tropical Storm	9/3/2018	1	313	313
Tropical Storm	9/3/2018	9	1,944	216
Tropical Storm	9/3/2018	13	1,196	92
Tropical Storm	9/3/2018	8	736	92
Tropical Storm	9/3/2018	8	1,592	199
Tropical Storm	9/3/2018	1	445	445
Tropical Storm	9/3/2018	4	1,048	262
Tropical Storm	9/3/2018	14	8,596	614
Tropical Storm	9/3/2018	5	800	160
Tropical Storm	9/3/2018	8	3,088	386
Tropical Storm	9/3/2018	47	28,945	819
Tropical Storm	9/3/2018	24	8,592	358
Tropical Storm	9/3/2018	9	540	60
Tropical Storm	9/3/2018	4	196	49
Tropical Storm	9/3/2018	32	7,520	235
Tropical Storm	9/3/2018	18	4,518	251
Tropical Storm	9/3/2018	1	87	87
Tropical Storm	9/3/2018	34	3,026	89
Tropical Storm	9/3/2018	40	2,960	74
Tropical Storm	9/3/2018	1	54	54
Tropical Storm	9/3/2018	23	1,150	50
Tropical Storm	9/3/2018	3	207	69
Tropical Storm	9/3/2018	6	816	136
Tropical Storm	9/3/2018	20	3,260	163
Tropical Storm	9/3/2018	1	197	197
Tropical Storm	9/3/2018	30	7,560	252
Tropical Storm	9/3/2018	1	33	33
Tropical Storm	9/3/2018	43	10,793	251
Tropical Storm	9/3/2018	18	2,070	115
Tropical Storm	9/3/2018	12	828	69
Tropical Storm	9/3/2018	501	29,163	79
Tropical Storm	9/3/2018	2	724	362

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tropical Storm	9/3/2018	263	68,117	259
Tropical Storm	9/3/2018	4	2,744	686
Tropical Storm	9/3/2018	3	276	92
Tropical Storm	9/3/2018	57	7,752	136
Tropical Storm	9/3/2018	1	306	306
Tropical Storm	9/3/2018	10	2,070	207
Tropical Storm	9/3/2018	2	108	54
Tropical Storm	9/3/2018	8	2,944	368
Tropical Storm	9/3/2018	3	231	77
Tropical Storm	9/3/2018	11	6,930	630
Tropical Storm	9/3/2018	1,055	4,800	5
Tropical Storm	9/3/2018	3	360	120
Tropical Storm	9/3/2018	7	371	53
Tropical Storm	9/3/2018	14	4,452	318
Tropical Storm	9/3/2018	4	1,080	270
Tropical Storm	9/3/2018	7	1,435	205
Tropical Storm	9/3/2018	26	4,212	162
Tropical Storm	9/3/2018	3	174	58
Tropical Storm	9/3/2018	1	180	180
Tropical Storm	9/3/2018	6	3,762	627
Tropical Storm	9/3/2018	18	4,788	266
Tropical Storm	9/3/2018	1	231	231
Tropical Storm	9/3/2018	6	306	51
Tropical Storm	9/3/2018	80	13,160	325
Tropical Storm	9/3/2018	5	455	91
Tropical Storm	9/3/2018	12	3,228	269
Tropical Storm	9/3/2018	122	29,123	539
Tropical Storm	9/3/2018	26	9,490	365
Tropical Storm	9/3/2018	13	4,797	369
Tropical Storm	9/3/2018	3	600	200
Tropical Storm	9/3/2018	6	924	154
Tropical Storm	9/3/2018	1	253	253
Tropical Storm	9/3/2018	13	5,980	460
Tropical Storm	9/3/2018	7	903	129
Tropical Storm	9/3/2018	8	400	50
Tropical Storm	9/3/2018	2	768	384
Tropical Storm	9/3/2018	7	1,365	195
Tropical Storm	9/3/2018	11	1,518	138
Tropical Storm	9/3/2018	1	172	172
Tropical Storm	9/3/2018	611	4,749	165
Tropical Storm	9/3/2018	7	1,218	174
Tropical Storm	9/3/2018	11	814	74
Tropical Storm	9/3/2018	5	1,625	325
Tropical Storm	9/3/2018	86	14,018	163
Tropical Storm	9/3/2018	28	5,656	202
Tropical Storm	9/3/2018	51	5,916	116
Tropical Storm	9/3/2018	11	4,224	384
Tropical Storm	9/3/2018	5	815	163
Tropical Storm	9/3/2018	1	56	56
Tropical Storm	9/3/2018	208	79,872	384
Tropical Storm	9/3/2018	10	1,990	199
Tropical Storm	9/3/2018	24	1,728	72
Tropical Storm	9/3/2018	7	1,533	219

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tropical Storm	9/3/2018	3	1,344	448
Tropical Storm	9/3/2018	7	3,388	484
Tropical Storm	9/3/2018	69	16,008	232
Tropical Storm	9/3/2018	5	655	131
Tropical Storm	9/3/2018	33	3,465	105
Tropical Storm	9/3/2018	7	959	137
Tropical Storm	9/3/2018	8	1,240	155
Tropical Storm	9/3/2018	4	2,460	615
Tropical Storm	9/3/2018	7	924	132
Tropical Storm	9/3/2018	28	6,608	236
Tropical Storm	9/3/2018	7	714	102
Tropical Storm	9/3/2018	7	588	84
Tropical Storm	9/3/2018	1	177	177
Tropical Storm	9/3/2018	5	2,475	495
Tropical Storm	9/3/2018	8	2,792	349
Tropical Storm	9/3/2018	10	6,220	622
Tropical Storm	9/3/2018	13	2,197	169
Tropical Storm	9/3/2018	6	1,530	255
Tropical Storm	9/3/2018	1	94	94
Tropical Storm	9/3/2018	6	1,632	272
Tropical Storm	9/3/2018	1	67	67
Tropical Storm	9/3/2018	1	526	526
Tropical Storm	9/3/2018	3	492	164
Tropical Storm	9/3/2018	1	401	401
Tropical Storm	9/3/2018	37	2,812	76
Tropical Storm	9/3/2018	27	18,765	695
Tropical Storm	9/3/2018	4	336	84
Tropical Storm	9/3/2018	7	210	30
Tropical Storm	9/3/2018	1	159	159
Tropical Storm	9/3/2018	1	297	297
Tropical Storm	9/3/2018	9	1,899	211
Tropical Storm	9/3/2018	8	1,400	175
Tropical Storm	9/3/2018	1	63	63
Tropical Storm	9/3/2018	8	1,512	189
Tropical Storm	9/3/2018	52	3,796	73
Tropical Storm	9/3/2018	116	17,400	150
Tropical Storm	9/3/2018	1	80	80
Tropical Storm	9/3/2018	85	10,965	129
Tropical Storm	9/3/2018	26	15,782	607
Tropical Storm	9/3/2018	3	942	314
Tropical Storm	9/3/2018	80	5,040	63
Tropical Storm	9/3/2018	18	2,988	166
Tropical Storm	9/3/2018	4	572	143
Tropical Storm	9/3/2018	4	604	151
Tropical Storm	9/3/2018	4	736	184
Tropical Storm	9/3/2018	1	474	474
Tropical Storm	9/3/2018	62	32,612	526
Tropical Storm	9/3/2018	2	238	119
Tropical Storm	9/3/2018	10	1,910	191
Tropical Storm	9/3/2018	10	980	98
Tropical Storm	9/3/2018	36	3,888	108
Tropical Storm	9/3/2018	14	882	63
Tropical Storm	9/3/2018	14	1,358	97

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tropical Storm	9/3/2018	12	624	52
Tropical Storm	9/3/2018	6	120	20
Tropical Storm	9/3/2018	1	100	100
Tropical Storm	9/3/2018	1	380	380
Tropical Storm	9/3/2018	1	332	332
Tropical Storm	9/3/2018	7	1,568	224
Tropical Storm	9/3/2018	7	931	133
Tropical Storm	9/3/2018	6	1,932	322
Tropical Storm	9/3/2018	6	1,224	204
Tropical Storm	9/3/2018	15	1,080	72
Tropical Storm	9/3/2018	4	1,276	319
Tropical Storm	9/3/2018	878	1,756	2
Tropical Storm	9/3/2018	8	928	116
Tropical Storm	9/3/2018	89	7,120	80
Tropical Storm	9/3/2018	1	264	264
Tropical Storm	9/3/2018	55	21,505	391
Tropical Storm	9/3/2018	3	237	79
Tropical Storm	9/3/2018	10	940	94
Tropical Storm	9/3/2018	34	8,024	236
Tropical Storm	9/3/2018	1	60	60
Tropical Storm	9/3/2018	94	18,236	194
Tropical Storm	9/3/2018	1,804	85,210	299
Tropical Storm	9/3/2018	670	68,695	166
Tropical Storm	9/3/2018	1	638	638
Tropical Storm	9/3/2018	1	480	480
Tropical Storm	9/3/2018	1	55	55
Tropical Storm	9/3/2018	5	2,695	539
Tropical Storm	9/3/2018	48	18,856	422
Tropical Storm	9/3/2018	8	1,200	150
Tropical Storm	9/3/2018	2	312	156
Tropical Storm	9/3/2018	3	2,049	683
Tropical Storm	9/3/2018	10	4,680	468
Tropical Storm	9/3/2018	113	18,193	161
Tropical Storm	9/3/2018	75	15,450	206
Tropical Storm	9/3/2018	8	2,896	362
Tropical Storm	9/3/2018	8	3,024	378
Tropical Storm	9/3/2018	3	366	122
Tropical Storm	9/3/2018	23	8,602	374
Tropical Storm	9/3/2018	8	1,368	171
Tropical Storm	9/3/2018	47	21,526	458
Tropical Storm	9/3/2018	11	2,519	229
Tropical Storm	9/3/2018	66	7,920	120
Tropical Storm	9/3/2018	5	2,770	554
Tropical Storm	9/3/2018	32	10,816	338
Tropical Storm	9/3/2018	4	240	60
Tropical Storm	9/3/2018	4	1,184	296
Tropical Storm	9/3/2018	4	260	65
Tropical Storm	9/3/2018	12	7,908	660
Tropical Storm	9/3/2018	17	3,553	209
Tropical Storm	9/3/2018	57	11,799	207
Tropical Storm	9/3/2018	7	1,764	252
Tropical Storm	9/3/2018	4	1,432	358
Tropical Storm	9/3/2018	8	3,216	402

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tropical Storm	9/3/2018	3	351	117
Tropical Storm	9/3/2018	8	592	74
Tropical Storm	9/3/2018	9	4,005	445
Tropical Storm	9/3/2018	7	1,988	284
Tropical Storm	9/3/2018	25	2,000	80
Tropical Storm	9/3/2018	2	92	46
Tropical Storm	9/3/2018	24	3,984	166
Tropical Storm	9/3/2018	15	4,695	313
Tropical Storm	9/3/2018	4	416	104
Tropical Storm	9/3/2018	7	1,092	156
Tropical Storm	9/3/2018	13	1,430	110
Tropical Storm	9/3/2018	7	2,240	320
Tropical Storm	9/3/2018	4	536	134
Tropical Storm	9/3/2018	1	51	51
Tropical Storm	9/3/2018	12	1,488	124
Tropical Storm	9/3/2018	72	35,279	521
Tropical Storm	9/3/2018	19	4,275	225
Tropical Storm	9/3/2018	4	1,236	309
Tropical Storm	9/3/2018	22	10,934	497
Tropical Storm	9/3/2018	19	2,318	122
Tropical Storm	9/3/2018	3	951	317
Tropical Storm	9/3/2018	17	2,448	144
Tropical Storm	9/3/2018	9	1,899	211
Tropical Storm	9/3/2018	4	580	145
Tropical Storm	9/3/2018	4	244	61
Tropical Storm	9/3/2018	59	7,670	130
Tropical Storm	9/3/2018	52	13,104	252
Tropical Storm	9/3/2018	1	136	136
Tropical Storm	9/3/2018	9	2,322	258
Tropical Storm	9/3/2018	1	476	476
Tropical Storm	9/3/2018	4	388	97
Tropical Storm	9/3/2018	10	2,730	273
Tropical Storm	9/3/2018	4	648	162
Tropical Storm	9/3/2018	8	424	53
Tropical Storm	9/3/2018	1	341	341
Tropical Storm	9/3/2018	2	606	303
Tropical Storm	9/3/2018	1	494	494
Tropical Storm	9/3/2018	36	5,328	148
Tropical Storm	9/3/2018	11	1,771	161
Tropical Storm	9/3/2018	12	2,040	170
Tropical Storm	9/3/2018	41	14,760	360
Tropical Storm	9/3/2018	1	513	513
Tropical Storm	9/3/2018	11	1,661	151
Tropical Storm	9/3/2018	8	1,000	125
Tropical Storm	9/3/2018	1	408	408
Tropical Storm	9/3/2018	109	15,369	141
Tropical Storm	9/3/2018	1	488	488
Tropical Storm	9/3/2018	6	1,026	171
Tropical Storm	9/3/2018	20	920	46
Tropical Storm	9/3/2018	9	1,548	172
Tropical Storm	9/3/2018	1	298	298
Tropical Storm	9/3/2018	1	112	112
Tropical Storm	9/3/2018	7	1,155	165

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tropical Storm	9/3/2018	8	2,288	286
Tropical Storm	9/3/2018	929	23,061	175
Tropical Storm	9/3/2018	3	387	129
Tropical Storm	9/3/2018	1	404	404
Tropical Storm	9/3/2018	14	5,460	390
Tropical Storm	9/3/2018	16	4,432	277
Tropical Storm	9/3/2018	62	8,861	325
Tropical Storm	9/3/2018	8	1,680	210
Tropical Storm	9/3/2018	1	238	238
Tropical Storm	9/3/2018	2	160	80
Tropical Storm	9/3/2018	6	516	86
Tropical Storm	9/3/2018	48	12,096	252
Tropical Storm	9/3/2018	8	2,824	353
Tropical Storm	9/3/2018	36	1,224	34
Tropical Storm	9/3/2018	1	399	399
Tropical Storm	9/3/2018	28	12,008	452
Tropical Storm	9/3/2018	4	980	340
Tropical Storm	9/3/2018	28	4,508	161
Tropical Storm	9/3/2018	1	411	411
Tropical Storm	9/3/2018	13	234	18
Tropical Storm	9/3/2018	7	1,820	260
Tropical Storm	9/3/2018	5	435	87
Tropical Storm	9/3/2018	1	354	354
Tropical Storm	9/3/2018	1	241	241
Tropical Storm	9/3/2018	15	5,520	368
Tropical Storm	9/3/2018	4	1,072	268
Tropical Storm	9/3/2018	10	1,160	116
Tropical Storm	9/3/2018	3	1,179	393
Tropical Storm	9/3/2018	17	2,312	136
Tropical Storm	9/3/2018	22	4,950	225
Tropical Storm	9/3/2018	4	288	72
Tropical Storm	9/3/2018	6	1,128	188
Tropical Storm	9/3/2018	1	248	248
Tropical Storm	9/3/2018	3	1,101	367
Tropical Storm	9/3/2018	2	488	244
Tropical Storm	9/3/2018	9	3,357	373
Tropical Storm	9/3/2018	6	1,830	305
Tropical Storm	9/3/2018	1	145	145
Tropical Storm	9/3/2018	12	720	60
Tropical Storm	9/3/2018	10	850	85
Tropical Storm	9/3/2018	1	61	61
Tropical Storm	9/3/2018	57	17,043	299
Tropical Storm	9/3/2018	4	140	35
Tropical Storm	9/3/2018	16	3,088	193
Tropical Storm	9/3/2018	1,070	52,818	75
Tropical Storm	9/3/2018	8	368	46
Tropical Storm	9/3/2018	3	84	28
Tropical Storm	9/3/2018	5	1,910	382
Tropical Storm	9/3/2018	1	295	295
Tropical Storm	9/3/2018	10	380	38
Tropical Storm	9/3/2018	14	3,136	224
Tropical Storm	9/3/2018	18	4,446	247
Tropical Storm	9/3/2018	38	9,424	248

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tropical Storm	9/3/2018	4	1,108	277
Tropical Storm	9/3/2018	52	14,045	271
Tropical Storm	9/3/2018	1	125	125
Tropical Storm	9/3/2018	2	346	173
Tropical Storm	9/3/2018	28	6,496	232
Tropical Storm	9/3/2018	3	267	89
Tropical Storm	9/3/2018	2	444	222
Tropical Storm	9/3/2018	1,911	82,875	133
Tropical Storm	9/3/2018	2	436	218
Tropical Storm	9/3/2018	12	3,240	270
Tropical Storm	9/3/2018	1	353	353
Tropical Storm	9/3/2018	57	15,618	274
Tropical Storm	9/3/2018	1	315	315
Tropical Storm	9/3/2018	20	4,720	236
Tropical Storm	9/3/2018	10	2,270	227
Tropical Storm	9/3/2018	15	4,335	289
Tropical Storm	9/3/2018	96	17,280	180
Tropical Storm	9/3/2018	1	518	518
Tropical Storm	9/3/2018	1	388	388
Tropical Storm	9/3/2018	2	166	83
Tropical Storm	9/3/2018	14	602	43
Tropical Storm	9/3/2018	1	394	394
Tropical Storm	9/3/2018	1	468	468
Tropical Storm	9/3/2018	1	276	276
Tropical Storm	9/3/2018	33	5,181	157
Tropical Storm	9/3/2018	2	382	191
Tropical Storm	9/3/2018	1	56	56
Tropical Storm	9/3/2018	51	5,406	106
Tropical Storm	9/3/2018	3	339	113
Tropical Storm	9/3/2018	8	2,208	276
Tropical Storm	9/3/2018	19	741	39
Tropical Storm	9/3/2018	9	909	101
Tropical Storm	9/3/2018	13	3,068	236
Tropical Storm	9/3/2018	1	133	133
Tropical Storm	9/3/2018	21	2,709	129
Tropical Storm	9/3/2018	9	81	9
Tropical Storm	9/3/2018	9	684	76
Tropical Storm	9/3/2018	5	530	106
Tropical Storm	9/3/2018	6	1,482	247
Tropical Storm	9/3/2018	4	268	67
Tropical Storm	9/3/2018	2	342	171
Tropical Storm	9/3/2018	4	548	137
Tropical Storm	9/3/2018	1	377	377
Tropical Storm	9/3/2018	5	1,015	203
Tropical Storm	9/3/2018	3	582	194
Tropical Storm	9/3/2018	1,323	29,538	81
Tropical Storm	9/3/2018	7	2,646	378
Tropical Storm	9/3/2018	1	266	266
Tropical Storm	9/3/2018	3	420	140
Tropical Storm	9/3/2018	9	1,737	193
Tropical Storm	9/3/2018	6	3,084	514
Tropical Storm	9/3/2018	5	2,020	404
Tropical Storm	9/3/2018	1	130	130

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tropical Storm	9/3/2018	1	230	230
Tropical Storm	9/3/2018	9	4,014	446
Tropical Storm	9/3/2018	3	1,791	597
Tropical Storm	9/3/2018	115	32,890	286
Tropical Storm	9/3/2018	1	536	536
Tropical Storm	9/3/2018	1	357	357
Tropical Storm	9/3/2018	1	262	262
Tropical Storm	9/3/2018	5	1,235	247
Tropical Storm	9/3/2018	1	249	249
Tropical Storm	9/3/2018	4	980	245
Tropical Storm	9/3/2018	16	3,888	243
Tropical Storm	9/3/2018	70	21,756	450
Tropical Storm	9/3/2018	24	2,592	108
Tropical Storm	9/3/2018	21	1,302	62
Tropical Storm	9/3/2018	1	123	123
Tropical Storm	9/3/2018	5	555	111
Tropical Storm	9/3/2018	6	1,206	201
Tropical Storm	9/3/2018	1	192	192
Tropical Storm	9/3/2018	1	29	29
Tropical Storm	9/3/2018	3	669	223
Tropical Storm	9/3/2018	1	399	399
Tropical Storm	9/3/2018	1	94	94
Tropical Storm	9/3/2018	10	160	16
Tropical Storm	9/3/2018	1	293	293
Tropical Storm	9/3/2018	4	544	136
Tropical Storm	9/3/2018	1	382	382
Tropical Storm	9/3/2018	1	172	172
Tropical Storm	9/3/2018	1	205	205
Tropical Storm	9/3/2018	1	116	116
Tropical Storm	9/3/2018	54	2,538	47
Tropical Storm	9/3/2018	26	5,850	225
Tropical Storm	9/3/2018	1	340	340
Tropical Storm	9/3/2018	4	1,320	330
Tropical Storm	9/3/2018	17	1,513	89
Tropical Storm	9/3/2018	124	42,408	342
Tropical Storm	9/3/2018	7	819	117
Tropical Storm	9/3/2018	1	82	82
Tropical Storm	9/3/2018	5	1,040	208
Tropical Storm	9/3/2018	10	1,150	115
Tropical Storm	9/3/2018	8	1,848	231
Tropical Storm	9/3/2018	1	265	265
Tropical Storm	9/3/2018	12	1,956	163
Tropical Storm	9/3/2018	1	292	292
Tropical Storm	9/3/2018	1	462	462
Tropical Storm	9/3/2018	7	2,282	326
Tropical Storm	9/3/2018	47	8,037	171
Tropical Storm	9/3/2018	1	399	399
Tropical Storm	9/3/2018	75	10,650	142
Tropical Storm	9/3/2018	1	424	424
Tropical Storm	9/3/2018	1	110	110
Tropical Storm	9/3/2018	1	229	229
Tropical Storm	9/3/2018	3	174	58
Tropical Storm	9/3/2018	56	5,880	105

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tropical Storm	9/3/2018	1	229	229
Tropical Storm	9/3/2018	1	52	52
Tropical Storm	9/3/2018	9	468	52
Tropical Storm	9/3/2018	1	203	203
Tropical Storm	9/3/2018	20	4,720	236
Tropical Storm	9/3/2018	2	426	213
Tropical Storm	9/3/2018	10	1,330	133
Tropical Storm	9/3/2018	5	450	90
Tropical Storm	9/3/2018	10	2,160	216
Tropical Storm	9/3/2018	5	630	126
Tropical Storm	9/3/2018	1	143	143
Tropical Storm	9/3/2018	5	1,980	396
Tropical Storm	9/3/2018	3	237	79
Tropical Storm	9/3/2018	1	333	333
Tropical Storm	9/3/2018	1	295	295
Tropical Storm	9/3/2018	4	516	129
Tropical Storm	9/3/2018	90	8,550	95
Tropical Storm	9/3/2018	15	3,240	216
Tropical Storm	9/3/2018	27	2,727	101
Tropical Storm	9/3/2018	1	346	346
Tropical Storm	9/3/2018	8	1,008	126
Tropical Storm	9/3/2018	53	18,020	340
Tropical Storm	9/3/2018	7	742	106
Tropical Storm	9/3/2018	6	342	57
Tropical Storm	9/3/2018	3	384	128
Tropical Storm	9/3/2018	9	2,619	291
Tropical Storm	9/3/2018	21	5,670	270
Tropical Storm	9/3/2018	1	204	204
Tropical Storm	9/3/2018	2	682	341
Tropical Storm	9/3/2018	11	1,595	145
Tropical Storm	9/3/2018	1	261	261
Tropical Storm	9/3/2018	1	206	206
Tropical Storm	9/3/2018	1	272	272
Tropical Storm	9/3/2018	2	650	325
Tropical Storm	9/3/2018	1	155	155
Tropical Storm	9/3/2018	4	360	90
Tropical Storm	9/3/2018	5	1,215	243
Tropical Storm	9/3/2018	618	31,940	309
Tropical Storm	9/3/2018	3	534	178
Tropical Storm	9/3/2018	10	540	54
Tropical Storm	9/3/2018	14	2,926	209
Tropical Storm	9/3/2018	3	258	86
Tropical Storm	9/3/2018	23	2,208	96
Tropical Storm	9/3/2018	61	8,052	132
Tropical Storm	9/3/2018	67	6,208	268
Tropical Storm	9/3/2018	1	83	83
Tropical Storm	9/3/2018	1	95	95
Tropical Storm	9/3/2018	340	8,160	24
Tropical Storm	9/3/2018	1	198	198
Tropical Storm	9/3/2018	7	1,057	151
Tropical Storm	9/3/2018	14	1,526	109
Tropical Storm	9/3/2018	59	5,647	191
Tropical Storm	9/3/2018	2	296	148

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tropical Storm	9/3/2018	2,948	15,338	31
Tropical Storm	9/3/2018	1	244	244
Tropical Storm	9/3/2018	24	3,072	128
Tropical Storm	9/3/2018	1	65	65
Tropical Storm	9/3/2018	5	205	41
Tropical Storm	9/3/2018	28	4,088	146
Tropical Storm	9/3/2018	4	308	77
Tropical Storm	9/3/2018	11	754	69
Tropical Storm	9/3/2018	1	63	63
Tropical Storm	9/3/2018	1	276	276
Tropical Storm	9/3/2018	1	350	350
Tropical Storm	9/3/2018	23	2,185	95
Tropical Storm	9/3/2018	1	276	276
Tropical Storm	9/3/2018	18	4,626	257
Tropical Storm	9/3/2018	1	140	140
Tropical Storm	9/3/2018	95	8,645	91
Tropical Storm	9/3/2018	1	126	126
Tropical Storm	9/3/2018	1	201	201
Tropical Storm	9/3/2018	1	49	49
Tropical Storm	9/3/2018	5	395	79
Tropical Storm	9/3/2018	1	41	41
Tropical Storm	9/3/2018	3	228	76
Tropical Storm	9/3/2018	3	477	159
Tropical Storm	9/3/2018	2	704	352
Tropical Storm	9/3/2018	79	16,827	213
Tropical Storm	9/3/2018	7	812	116
Tropical Storm	9/3/2018	10	1,410	141
Tropical Storm	9/3/2018	1	186	186
Tropical Storm	9/3/2018	1	197	197
Tropical Storm	9/3/2018	13	728	56
Tropical Storm	9/3/2018	68	17,000	250
Tropical Storm	9/3/2018	1	359	359
Tropical Storm	9/3/2018	12	4,452	371
Tropical Storm	9/3/2018	9	1,746	194
Tropical Storm	9/3/2018	32	3,744	117
Tropical Storm	9/3/2018	1	177	177
Tropical Storm	9/3/2018	6	462	77
Tropical Storm	9/3/2018	1	154	154
Tropical Storm	9/3/2018	6	1,326	221
Tropical Storm	9/3/2018	5	695	139
Tropical Storm	9/3/2018	16	1,248	78
Tropical Storm	9/3/2018	3	105	35
Tropical Storm	9/3/2018	1	150	150
Tropical Storm	9/3/2018	6	780	130
Tropical Storm	9/3/2018	74	3,478	47
Tropical Storm	9/3/2018	11	2,926	266
Tropical Storm	9/3/2018	64	1,324	211
Tropical Storm	9/3/2018	5	995	199
Tropical Storm	9/3/2018	3	372	124
Tropical Storm	9/3/2018	4	1,064	266
Tropical Storm	9/3/2018	2	116	58
Tropical Storm	9/3/2018	16	416	26
Tropical Storm	9/3/2018	3	126	42

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tropical Storm	9/3/2018	75	10,575	141
Tropical Storm	9/3/2018	3,332	46,846	45
Tropical Storm	9/3/2018	11	1,408	128
Tropical Storm	9/3/2018	6	666	111
Tropical Storm	9/3/2018	50	6,500	130
Tropical Storm	9/3/2018	6	1,422	237
Tropical Storm	9/3/2018	12	84	7
Tropical Storm	9/3/2018	1	159	159
Tropical Storm	9/3/2018	1	121	121
Tropical Storm	9/3/2018	1	115	115
Tropical Storm	9/3/2018	22	3,476	158
Tropical Storm	9/3/2018	12	2,148	179
Tropical Storm	9/3/2018	1,170	53,733	201
Tropical Storm	9/3/2018	19	1,140	60
Tropical Storm	9/3/2018	1	258	258
Tropical Storm	9/3/2018	1	130	130
Tropical Storm	9/3/2018	1	253	253
Tropical Storm	9/3/2018	6	768	128
Tropical Storm	9/3/2018	4	1,340	335
Tropical Storm	9/3/2018	7	2,688	384
Tropical Storm	9/3/2018	1	71	71
Tropical Storm	9/3/2018	4	280	70
Tropical Storm	9/3/2018	1	462	462
Tropical Storm	9/3/2018	23	4,140	180
Tropical Storm	9/3/2018	571	1,713	3
Tropical Storm	9/3/2018	3	189	63
Tropical Storm	9/3/2018	3	132	44
Tropical Storm	9/3/2018	52	11,712	240
Tropical Storm	9/3/2018	24	2,616	109
Tropical Storm	9/3/2018	48	13,872	289
Tropical Storm	9/3/2018	36	10,682	326
Tropical Storm	9/3/2018	15	4,156	292
Tropical Storm	9/3/2018	5	270	54
Tropical Storm	9/3/2018	56	11,984	214
Tropical Storm	9/3/2018	1	95	95
Tropical Storm	9/3/2018	21	2,058	98
Tropical Storm	9/3/2018	1	192	192
Tropical Storm	9/3/2018	1	178	178
Tropical Storm	9/3/2018	3	213	71
Tropical Storm	9/3/2018	5	815	163
Tropical Storm	9/3/2018	1	142	142
Tropical Storm	9/3/2018	1	242	242
Tropical Storm	9/3/2018	1	124	124
Tropical Storm	9/3/2018	619	31,821	134
Tropical Storm	9/3/2018	1	236	236
Tropical Storm	9/3/2018	1	51	51
Tropical Storm	9/3/2018	2,414	4,248	3
Tropical Storm	9/3/2018	1	196	196
Tropical Storm	9/3/2018	1	170	170
Tropical Storm	9/3/2018	1	241	241
Tropical Storm	9/3/2018	1,062	16,992	16
Tropical Storm	9/3/2018	3	159	53
Tropical Storm	9/3/2018	6	426	71

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tropical Storm	9/3/2018	5	1,020	204
Tropical Storm	9/3/2018	109	6,039	77
Tropical Storm	9/3/2018	7	721	103
Tropical Storm	9/3/2018	1	602	602
Tropical Storm	9/3/2018	1	227	227
Tropical Storm	9/3/2018	53	10,172	268
Tropical Storm	9/3/2018	5	610	122
Tropical Storm	9/3/2018	1	309	309
Tropical Storm	9/3/2018	13	2,860	220
Tropical Storm	9/3/2018	11	1,386	126
Tropical Storm	9/3/2018	14	1,330	95
Tropical Storm	9/3/2018	19	2,299	121
Tropical Storm	9/3/2018	32	1,280	40
Tropical Storm	9/3/2018	8	1,176	147
Tropical Storm	9/3/2018	1	116	116
Tropical Storm	9/3/2018	28	2,548	91
Tropical Storm	9/3/2018	3	330	110
Tropical Storm	9/3/2018	13	2,249	173
Tropical Storm	9/3/2018	3	261	87
Tropical Storm	9/3/2018	4	436	109
Tropical Storm	9/3/2018	12	816	68
Tropical Storm	9/3/2018	10	610	61
Tropical Storm	9/3/2018	1	356	356
Tropical Storm	9/3/2018	1	198	198
Tropical Storm	9/3/2018	1	64	64
Tropical Storm	9/3/2018	1	227	227
Tropical Storm	9/3/2018	1	177	177
Tropical Storm	9/3/2018	5	880	176
Tropical Storm	9/3/2018	1	410	410
Tropical Storm	9/3/2018	13	5,863	451
Tropical Storm	9/3/2018	98	2,940	30
Tropical Storm	9/3/2018	1	80	80
Tropical Storm	9/3/2018	1	126	126
Tropical Storm	9/3/2018	2	324	162
Tropical Storm	9/3/2018	1	173	173
Tropical Storm	9/3/2018	8	416	52
Tropical Storm	9/3/2018	1	136	136
Tropical Storm	9/3/2018	1	82	82
Tropical Storm	9/3/2018	95	20,520	216
Tropical Storm	9/3/2018	8	336	42
Tropical Storm	9/3/2018	1	77	77
Tropical Storm	9/3/2018	1	109	109
Tropical Storm	9/3/2018	1	84	84
Tropical Storm	9/3/2018	1	93	93
Tropical Storm	9/3/2018	1	216	216
Tropical Storm	9/3/2018	62	3,348	54
Tropical Storm	9/3/2018	3	234	78
Tropical Storm	9/3/2018	6	552	92
Tropical Storm	9/3/2018	8	680	85
Tropical Storm	9/3/2018	1	49	49
Tropical Storm	9/3/2018	22	462	135
Tropical Storm	9/3/2018	1	186	186
Tropical Storm	9/3/2018	5	2,010	402

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tropical Storm	9/3/2018	17	765	45
Tropical Storm	9/3/2018	1	52	52
Tropical Storm	9/3/2018	1	110	110
Tropical Storm	9/3/2018	1	137	137
Tropical Storm	9/3/2018	1	241	241
Tropical Storm	9/3/2018	2	176	88
Tropical Storm	9/3/2018	7	1,498	214
Tropical Storm	9/3/2018	2	94	47
Tropical Storm	9/3/2018	8	656	82
Tropical Storm	9/3/2018	1	124	124
Tropical Storm	9/3/2018	3	369	123
Tropical Storm	9/3/2018	86	19,866	231
Tropical Storm	9/3/2018	1	70	70
Tropical Storm	9/3/2018	1	258	258
Tropical Storm	9/3/2018	335	17,879	87
Tropical Storm	9/3/2018	4	612	153
Tropical Storm	9/3/2018	1	235	235
Tropical Storm	9/3/2018	41	5,945	145
Tropical Storm	9/3/2018	2	308	154
Tropical Storm	9/3/2018	11	913	83
Tropical Storm	9/3/2018	27	2,106	78
Tropical Storm	9/3/2018	25	2,750	110
Tropical Storm	9/3/2018	1	123	123
Tropical Storm	9/3/2018	10	910	91
Tropical Storm	9/3/2018	1	199	199
Tropical Storm	9/3/2018	1	507	507
Tropical Storm	9/3/2018	1	112	112
Tropical Storm	9/3/2018	5	540	108
Tropical Storm	9/3/2018	5	205	41
Tropical Storm	9/3/2018	74	18,870	255
Tropical Storm	9/3/2018	1	580	580
Tropical Storm	9/3/2018	1	319	319
Tropical Storm	9/3/2018	3	201	67
Tropical Storm	9/3/2018	1	90	90
Tropical Storm	9/3/2018	1	199	199
Tropical Storm	9/3/2018	73	28,032	384
Tropical Storm	9/3/2018	4	188	47
Tropical Storm	9/3/2018	1	280	280
Tropical Storm	9/3/2018	26	3,640	140
Tropical Storm	9/3/2018	1	186	186
Tropical Storm	9/3/2018	1	52	52
Tropical Storm	9/3/2018	16	4,400	275
Tropical Storm	9/3/2018	4	480	120
Tropical Storm	9/3/2018	7	10,360	1,480
Tropical Storm	9/3/2018	7	707	101
Tropical Storm	9/3/2018	6	276	46
Tropical Storm	9/3/2018	1	179	179
Tropical Storm	9/3/2018	5	290	58
Tropical Storm	9/3/2018	2	72	36
Tropical Storm	9/3/2018	1	50	50
Tropical Storm	9/3/2018	3	246	82
Tropical Storm	9/3/2018	1	175	175
Tropical Storm	9/3/2018	2	144	72

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tropical Storm	9/3/2018	1	79	79
Tropical Storm	9/3/2018	3	168	56
Tropical Storm	9/3/2018	10	120	12
Tropical Storm	9/3/2018	1	225	225
Tropical Storm	9/3/2018	2	122	61
Tropical Storm	9/3/2018	1	78	78
Tropical Storm	9/3/2018	8	1,784	223
Tropical Storm	9/3/2018	1	136	136
Tropical Storm	9/3/2018	1	542	542
Tropical Storm	9/3/2018	1	254	254
Tropical Storm	9/3/2018	1	108	108
Tropical Storm	9/3/2018	1	71	71
Tropical Storm	9/3/2018	6	1,944	324
Tropical Storm	9/3/2018	1	126	126
Tropical Storm	9/3/2018	14	1,148	82
Tropical Storm	9/3/2018	91	13,377	147
Tropical Storm	9/3/2018	1	88	88
Tropical Storm	9/3/2018	1	158	158
Tropical Storm	9/3/2018	1	396	396
Tropical Storm	9/3/2018	21	6,594	314
Tropical Storm	9/3/2018	4	1,220	305
Tropical Storm	9/3/2018	1	95	95
Tropical Storm	9/3/2018	1	191	191
Tropical Storm	9/3/2018	2	62	31
Tropical Storm	9/3/2018	1	276	276
Tropical Storm	9/3/2018	1	181	181
Tropical Storm	9/3/2018	2	176	88
Tropical Storm	9/3/2018	4	596	149
Tropical Storm	9/3/2018	1	116	116
Tropical Storm	9/3/2018	1	66	66
Tropical Storm	9/3/2018	86	7,052	82
Tropical Storm	9/3/2018	10	1,670	167
Tropical Storm	9/3/2018	1	253	253
Tropical Storm	9/3/2018	1	248	248
Tropical Storm	9/3/2018	1	220	220
Tropical Storm	9/3/2018	1	202	202
Tropical Storm	9/3/2018	18	3,348	186
Tropical Storm	9/3/2018	1	511	511
Tropical Storm	9/3/2018	1	74	74
Tropical Storm	9/3/2018	4	136	34
Tropical Storm	9/3/2018	1	45	45
Tropical Storm	9/3/2018	1	284	284
Tropical Storm	9/3/2018	1	868	868
Tropical Storm	9/3/2018	7	602	86
Tropical Storm	9/3/2018	2	76	38
Tropical Storm	9/3/2018	2	120	60
Tropical Storm	9/3/2018	1	326	326
Tropical Storm	9/3/2018	12	792	66
Tropical Storm	9/3/2018	8	424	53
Tropical Storm	9/3/2018	4	376	94
Tropical Storm	9/3/2018	1	500	500
Tropical Storm	9/3/2018	1	275	275
Tropical Storm	9/3/2018	20	1,340	67

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tropical Storm	9/3/2018	6	996	166
Tropical Storm	9/3/2018	5	1,845	369
Tropical Storm	9/3/2018	1	285	285
Tropical Storm	9/3/2018	151	6,040	40
Tropical Storm	9/3/2018	4	296	74
Tropical Storm	9/3/2018	1	99	99
Tropical Storm	9/3/2018	1	324	324
Tropical Storm	9/3/2018	1	602	602
Tropical Storm	9/3/2018	1	231	231
Tropical Storm	9/3/2018	1	43	43
Tropical Storm	9/3/2018	11	2,981	271
Tropical Storm	9/3/2018	1	141	141
Tropical Storm	9/3/2018	2	226	113
Tropical Storm	9/3/2018	13	1,781	137
Tropical Storm	9/3/2018	1	82	82
Tropical Storm	9/3/2018	1	762	762
Tropical Storm	9/3/2018	1	444	444
Tropical Storm	9/3/2018	7	1,540	220
Tropical Storm	9/3/2018	3	1,044	348
Tropical Storm	9/3/2018	1	445	445
Tropical Storm	9/3/2018	4	192	48
Tropical Storm	9/3/2018	2	718	386
Tropical Storm	9/3/2018	8	392	49
Tropical Storm	9/3/2018	1	448	448
Tropical Storm	9/3/2018	1	54	54
Tropical Storm	9/3/2018	199	29,016	149
Tropical Storm	9/3/2018	4	816	204
Tropical Storm	9/3/2018	1	146	146
Tropical Storm	9/3/2018	1	429	429
Tropical Storm	9/3/2018	1	490	490
Tropical Storm	9/3/2018	15	2,610	174
Tropical Storm	9/3/2018	1	835	835
Tropical Storm	9/3/2018	43	7,273	449
Tropical Storm	9/3/2018	2	595	412
Tropical Storm	9/3/2018	1	168	168
Tropical Storm	9/3/2018	5	2,175	435
Tropical Storm	9/3/2018	18	6,282	349
Tropical Storm	9/3/2018	4	580	145
Tropical Storm	9/3/2018	9	1,386	154
Tropical Storm	9/3/2018	1	134	134
Tropical Storm	9/3/2018	1	849	849
Tropical Storm	9/3/2018	2	228	114
Tropical Storm	9/3/2018	4	272	68
Tropical Storm	9/3/2018	4	560	140
Tropical Storm	9/3/2018	2	1,660	830
Tropical Storm	9/3/2018	46	2,576	56
Tropical Storm	9/3/2018	1	186	186
Tropical Storm	9/3/2018	1	55	55
Tropical Storm	9/3/2018	780	37,120	78
Tropical Storm	9/3/2018	1	202	202
Tropical Storm	9/3/2018	1	120	120
Tropical Storm	9/3/2018	1	97	97
Tropical Storm	9/3/2018	10	3,350	335

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tropical Storm	9/3/2018	1	316	316
Hurricane	10/9/2018	1	56	56
Hurricane	10/9/2018	5	1,560	312
Hurricane	10/9/2018	1	57	57
Hurricane	10/9/2018	14	462	33
Hurricane	10/9/2018	1	203	203
Hurricane	10/9/2018	7	560	80
Hurricane	10/9/2018	1	92	92
Hurricane	10/9/2018	6	396	66
Hurricane	10/9/2018	61	3,294	54
Hurricane	10/9/2018	8	368	46
Hurricane	10/9/2018	1	452	452
Hurricane	10/9/2018	8	2,440	395
Hurricane	10/9/2018	1	391	391
Hurricane	10/9/2018	1	95	95
Hurricane	10/9/2018	4	192	48
Hurricane	10/9/2018	10	190	19
Hurricane	10/9/2018	1	46	46
Hurricane	10/9/2018	11	3,289	299
Hurricane	10/9/2018	16	1,520	95
Hurricane	10/9/2018	554	18,836	34
Hurricane	10/9/2018	49	16,072	328
Hurricane	10/9/2018	4	444	111
Hurricane	10/9/2018	25	10,325	413
Hurricane	10/9/2018	8	648	81
Hurricane	10/9/2018	1	37	37
Hurricane	10/9/2018	3	519	173
Hurricane	10/9/2018	4	1,380	345
Hurricane	10/9/2018	8	216	27
Hurricane	10/9/2018	182	4,914	27
Hurricane	10/9/2018	2	784	392
Hurricane	10/9/2018	13	4,472	344
Hurricane	10/9/2018	9	171	19
Hurricane	10/9/2018	1	65	65
Hurricane	10/9/2018	1	140	140
Hurricane	10/9/2018	3	756	252
Hurricane	10/9/2018	33	1,914	58
Hurricane	10/9/2018	2	1,090	545
Hurricane	10/9/2018	3	897	299
Hurricane	10/9/2018	2	784	392
Hurricane	10/9/2018	1	159	159
Hurricane	10/9/2018	16	3,648	228
Hurricane	10/9/2018	1	265	265
Hurricane	10/9/2018	35	2,940	84
Hurricane	10/9/2018	1	37	37
Hurricane	10/9/2018	16	2,976	186
Hurricane	10/9/2018	3	1,182	394
Hurricane	10/9/2018	14	3,360	240
Hurricane	10/9/2018	6	756	126
Hurricane	10/9/2018	2	496	248
Hurricane	10/9/2018	1	265	265
Hurricane	10/9/2018	1	1	533
Hurricane	10/9/2018	1	151	151

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/9/2018	1	104	104
Hurricane	10/9/2018	1	518	518
Hurricane	10/9/2018	18	3,132	174
Hurricane	10/9/2018	1	590	590
Hurricane	10/9/2018	3	441	147
Hurricane	10/9/2018	1	151	151
Hurricane	10/9/2018	9	2,222	250
Hurricane	10/9/2018	2	510	255
Hurricane	10/9/2018	10	1,040	104
Hurricane	10/9/2018	1	175	175
Hurricane	10/9/2018	12	876	73
Hurricane	10/9/2018	1	192	192
Hurricane	10/9/2018	1	91	91
Hurricane	10/9/2018	5	825	165
Hurricane	10/9/2018	3	309	103
Hurricane	10/9/2018	13	2,236	172
Hurricane	10/9/2018	1	455	455
Hurricane	10/9/2018	2	152	76
Hurricane	10/9/2018	1	78	78
Hurricane	10/9/2018	1	109	109
Hurricane	10/9/2018	2	568	284
Hurricane	10/9/2018	28	3,416	122
Hurricane	10/9/2018	5	1,445	289
Hurricane	10/9/2018	1	238	238
Hurricane	10/9/2018	1	144	144
Hurricane	10/9/2018	5	800	160
Hurricane	10/9/2018	1	190	190
Hurricane	10/9/2018	9	1,449	161
Hurricane	10/9/2018	1	105	105
Hurricane	10/9/2018	2	378	189
Hurricane	10/9/2018	33	11,880	360
Hurricane	10/9/2018	1	219	219
Hurricane	10/9/2018	2	114	57
Hurricane	10/9/2018	17	1,190	70
Hurricane	10/9/2018	13	1,469	113
Hurricane	10/9/2018	10	190	19
Hurricane	10/9/2018	3	327	109
Hurricane	10/9/2018	3	300	100
Hurricane	10/9/2018	8	2,616	327
Hurricane	10/9/2018	1	244	244
Hurricane	10/9/2018	1	21	21
Hurricane	10/9/2018	4	220	55
Hurricane	10/9/2018	1	135	135
Hurricane	10/9/2018	36	4,572	127
Hurricane	10/9/2018	8	2,504	313
Hurricane	10/9/2018	77	7,854	102
Hurricane	10/9/2018	8	224	28
Hurricane	10/9/2018	1	60	60
Hurricane	10/9/2018	8	168	21
Hurricane	10/9/2018	1	71	71
Hurricane	10/9/2018	34	10,370	305
Hurricane	10/9/2018	1	111	111
Hurricane	10/9/2018	4	192	48

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/9/2018	4	2,016	504
Hurricane	10/9/2018	19	152	8
Hurricane	10/9/2018	1	2	2
Hurricane	10/9/2018	3	387	129
Hurricane	10/9/2018	4	200	50
Hurricane	10/9/2018	1	246	246
Hurricane	10/9/2018	3	699	233
Hurricane	10/9/2018	8	104	13
Hurricane	10/9/2018	3	390	130
Hurricane	10/9/2018	14	924	66
Hurricane	10/9/2018	19	7,144	376
Hurricane	10/9/2018	1	59	59
Hurricane	10/9/2018	1	121	121
Hurricane	10/9/2018	51	1,683	33
Hurricane	10/9/2018	4	348	87
Hurricane	10/9/2018	7	245	35
Hurricane	10/9/2018	1	72	72
Hurricane	10/9/2018	7	2,023	289
Hurricane	10/9/2018	12	48	4
Hurricane	10/9/2018	1	225	225
Hurricane	10/9/2018	7	21	3
Hurricane	10/9/2018	5	565	113
Hurricane	10/9/2018	16	1,776	111
Hurricane	10/9/2018	1	447	447
Hurricane	10/9/2018	2	310	155
Hurricane	10/9/2018	1	81	81
Hurricane	10/9/2018	2	40	20
Hurricane	10/9/2018	1	179	179
Hurricane	10/9/2018	5	1,145	229
Hurricane	10/9/2018	1	412	412
Hurricane	10/9/2018	5	70	14
Hurricane	10/9/2018	8	240	30
Hurricane	10/9/2018	9	729	81
Hurricane	10/9/2018	12	996	83
Hurricane	10/9/2018	55	2,200	40
Hurricane	10/9/2018	43	2,064	48
Hurricane	10/9/2018	8	144	18
Hurricane	10/9/2018	1	126	126
Hurricane	10/9/2018	150	36,222	301
Hurricane	10/9/2018	8	1,208	151
Hurricane	10/9/2018	10	330	33
Hurricane	10/9/2018	8	112	14
Hurricane	10/9/2018	4	1,324	331
Hurricane	10/9/2018	1	111	111
Hurricane	10/9/2018	12	972	81
Hurricane	10/9/2018	1	62	62
Hurricane	10/9/2018	1	60	60
Hurricane	10/9/2018	13	2,067	159
Hurricane	10/9/2018	6	354	59
Hurricane	10/9/2018	1	161	161
Hurricane	10/9/2018	1	182	182
Hurricane	10/9/2018	4	96	24
Hurricane	10/9/2018	2	78	39

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/9/2018	4	496	124
Hurricane	10/9/2018	2	1,028	514
Hurricane	10/9/2018	4	152	38
Hurricane	10/9/2018	1	226	226
Hurricane	10/9/2018	2	644	322
Hurricane	10/9/2018	6	2,376	396
Hurricane	10/9/2018	1	326	326
Hurricane	10/9/2018	1	1,036	1,036
Hurricane	10/9/2018	1	137	137
Hurricane	10/9/2018	1	11	11
Hurricane	10/9/2018	1	547	547
Hurricane	10/9/2018	1	38	38
Hurricane	10/9/2018	7	3,024	432
Hurricane	10/9/2018	8	120	15
Hurricane	10/9/2018	9	369	41
Hurricane	10/9/2018	2	302	151
Hurricane	10/9/2018	1	410	410
Hurricane	10/9/2018	1	443	443
Hurricane	10/9/2018	11	1,177	107
Hurricane	10/9/2018	1	84	84
Hurricane	10/9/2018	1	189	189
Hurricane	10/9/2018	1	176	176
Hurricane	10/9/2018	6	1,596	266
Hurricane	10/9/2018	1	89	89
Hurricane	10/9/2018	1	69	69
Hurricane	10/9/2018	6	42	7
Hurricane	10/9/2018	1	86	86
Hurricane	10/9/2018	8	1,968	246
Hurricane	10/9/2018	4	1,444	361
Hurricane	10/9/2018	7	777	111
Hurricane	10/9/2018	1	325	325
Hurricane	10/9/2018	17	5,406	318
Hurricane	10/9/2018	1	219	219
Hurricane	10/9/2018	3	165	55
Hurricane	10/9/2018	17	5,865	345
Hurricane	10/9/2018	13	1,677	129
Hurricane	10/9/2018	11	1,914	174
Hurricane	10/9/2018	17	969	57
Hurricane	10/9/2018	8	112	14
Hurricane	10/9/2018	1	109	109
Hurricane	10/9/2018	3	639	213
Hurricane	10/9/2018	1	57	57
Hurricane	10/9/2018	1	199	199
Hurricane	10/9/2018	4	100	25
Hurricane	10/9/2018	5	215	43
Hurricane	10/9/2018	3	753	251
Hurricane	10/9/2018	7	847	121
Hurricane	10/9/2018	7	1,904	272
Hurricane	10/9/2018	3	1,563	521
Hurricane	10/9/2018	1	342	342
Hurricane	10/9/2018	2	22	11
Hurricane	10/9/2018	46	3,128	68
Hurricane	10/9/2018	8	72	9

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/9/2018	1	105	105
Hurricane	10/9/2018	8	640	80
Hurricane	10/9/2018	1	399	399
Hurricane	10/9/2018	3	165	55
Hurricane	10/9/2018	1	63	63
Hurricane	10/9/2018	1	142	142
Hurricane	10/9/2018	1	466	466
Hurricane	10/9/2018	7	294	42
Hurricane	10/9/2018	10	230	23
Hurricane	10/9/2018	1	73	73
Hurricane	10/9/2018	7	735	105
Hurricane	10/9/2018	6	864	144
Hurricane	10/9/2018	1	99	99
Hurricane	10/9/2018	48	3,744	78
Hurricane	10/9/2018	14	546	39
Hurricane	10/9/2018	2	6	3
Hurricane	10/9/2018	1	174	174
Hurricane	10/9/2018	9	2,025	225
Hurricane	10/9/2018	34	8,398	247
Hurricane	10/9/2018	5	1,630	326
Hurricane	10/9/2018	1	1	102
Hurricane	10/9/2018	23	1,932	84
Hurricane	10/9/2018	2	708	354
Hurricane	10/9/2018	1	82	82
Hurricane	10/9/2018	4	928	232
Hurricane	10/9/2018	1	164	164
Hurricane	10/9/2018	2	460	230
Hurricane	10/9/2018	1	298	298
Hurricane	10/9/2018	1	94	94
Hurricane	10/9/2018	3	388	187
Hurricane	10/9/2018	1	288	288
Hurricane	10/9/2018	2	152	76
Hurricane	10/9/2018	1	17	17
Hurricane	10/9/2018	1	38	38
Hurricane	10/9/2018	1	58	58
Hurricane	10/9/2018	4	1,340	335
Hurricane	10/9/2018	1	170	170
Hurricane	10/9/2018	44	5,324	121
Hurricane	10/9/2018	9	1,098	122
Hurricane	10/9/2018	30	2,820	94
Hurricane	10/9/2018	1	39	39
Hurricane	10/9/2018	1	62	62
Hurricane	10/9/2018	19	2,793	147
Hurricane	10/9/2018	4	1,416	354
Hurricane	10/9/2018	1	252	252
Hurricane	10/9/2018	2	434	217
Hurricane	10/9/2018	27	7,613	326
Hurricane	10/9/2018	4	376	94
Hurricane	10/9/2018	8	216	27
Hurricane	10/9/2018	30	2,310	77
Hurricane	10/9/2018	47	1,504	32
Hurricane	10/9/2018	9	1,485	165
Hurricane	10/9/2018	3	162	54

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/9/2018	8	1,232	154
Hurricane	10/9/2018	16	2,512	157
Hurricane	10/9/2018	1	97	97
Hurricane	10/9/2018	11	2,123	193
Hurricane	10/9/2018	106	2,120	20
Hurricane	10/9/2018	1	151	151
Hurricane	10/9/2018	2	160	80
Hurricane	10/9/2018	1	411	411
Hurricane	10/9/2018	1	41	41
Hurricane	10/9/2018	121	13,068	108
Hurricane	10/9/2018	1	28	28
Hurricane	10/9/2018	1	210	210
Hurricane	10/9/2018	6	144	24
Hurricane	10/9/2018	10	3,760	376
Hurricane	10/9/2018	8	512	64
Hurricane	10/9/2018	1	290	290
Hurricane	10/9/2018	1	347	347
Hurricane	10/9/2018	67	8,710	130
Hurricane	10/9/2018	6	2,376	396
Hurricane	10/9/2018	8	552	69
Hurricane	10/9/2018	1	222	222
Hurricane	10/9/2018	32	2,040	90
Hurricane	10/9/2018	1	31	31
Hurricane	10/9/2018	32	4,736	148
Hurricane	10/9/2018	1	48	48
Hurricane	10/9/2018	55	4,015	73
Hurricane	10/9/2018	2	426	213
Hurricane	10/9/2018	4	236	59
Hurricane	10/9/2018	31	6,277	231
Hurricane	10/9/2018	2	1,380	690
Hurricane	10/9/2018	40	2,760	69
Hurricane	10/9/2018	8	2,168	271
Hurricane	10/9/2018	8	2,200	275
Hurricane	10/9/2018	8	840	105
Hurricane	10/9/2018	2	350	175
Hurricane	10/9/2018	1	202	202
Hurricane	10/9/2018	5	410	82
Hurricane	10/9/2018	10	1,920	192
Hurricane	10/9/2018	1	184	184
Hurricane	10/9/2018	33	6,435	195
Hurricane	10/9/2018	1	53	53
Hurricane	10/9/2018	15	765	51
Hurricane	10/9/2018	68	5,349	108
Hurricane	10/9/2018	1	116	116
Hurricane	10/9/2018	2	292	146
Hurricane	10/9/2018	1	46	46
Hurricane	10/9/2018	1	69	69
Hurricane	10/9/2018	8	304	38
Hurricane	10/9/2018	5	1,920	384
Hurricane	10/9/2018	1	31	31
Hurricane	10/9/2018	10	950	95
Hurricane	10/9/2018	9	3,987	443
Hurricane	10/9/2018	1	194	194

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/9/2018	5	295	59
Hurricane	10/10/2018	35	1,155	33
Hurricane	10/10/2018	6	246	41
Hurricane	10/10/2018	1	163	163
Hurricane	10/10/2018	149	16,092	108
Hurricane	10/10/2018	1	361	361
Hurricane	10/10/2018	11	1,452	132
Hurricane	10/10/2018	1	542	542
Hurricane	10/10/2018	1	62	62
Hurricane	10/10/2018	4	228	57
Hurricane	10/10/2018	1	153	153
Hurricane	10/10/2018	1	51	51
Hurricane	10/10/2018	6	1,176	196
Hurricane	10/10/2018	6	192	32
Hurricane	10/10/2018	1	484	484
Hurricane	10/10/2018	1	28	28
Hurricane	10/10/2018	2	268	134
Hurricane	10/10/2018	1	136	136
Hurricane	10/10/2018	27	1,701	63
Hurricane	10/10/2018	4	1,236	309
Hurricane	10/10/2018	8	288	36
Hurricane	10/10/2018	6	2,994	499
Hurricane	10/10/2018	4	372	93
Hurricane	10/10/2018	1	193	193
Hurricane	10/10/2018	564	2,820	5
Hurricane	10/10/2018	1	424	424
Hurricane	10/10/2018	82	4,428	54
Hurricane	10/10/2018	115	5,865	51
Hurricane	10/10/2018	35	1,680	48
Hurricane	10/10/2018	2	590	295
Hurricane	10/10/2018	31	1,116	36
Hurricane	10/10/2018	34	2,686	79
Hurricane	10/10/2018	78	4,212	54
Hurricane	10/10/2018	13	3,016	232
Hurricane	10/10/2018	1	167	167
Hurricane	10/10/2018	37	2,220	60
Hurricane	10/10/2018	1	181	181
Hurricane	10/10/2018	9	1,224	136
Hurricane	10/10/2018	83	7,959	101
Hurricane	10/10/2018	15	1,440	96
Hurricane	10/10/2018	3	168	56
Hurricane	10/10/2018	1	191	191
Hurricane	10/10/2018	1	264	264
Hurricane	10/10/2018	2	372	186
Hurricane	10/10/2018	1	397	397
Hurricane	10/10/2018	1	621	621
Hurricane	10/10/2018	9	2,889	321
Hurricane	10/10/2018	6	828	138
Hurricane	10/10/2018	7	1,036	148
Hurricane	10/10/2018	1	283	283
Hurricane	10/10/2018	1	334	334
Hurricane	10/10/2018	1	214	214
Hurricane	10/10/2018	1	227	227

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/10/2018	1	183	183
Hurricane	10/10/2018	1	49	49
Hurricane	10/10/2018	5	265	53
Hurricane	10/10/2018	3	891	297
Hurricane	10/10/2018	1	53	53
Hurricane	10/10/2018	4	164	41
Hurricane	10/10/2018	1	132	132
Hurricane	10/10/2018	12	1,980	165
Hurricane	10/10/2018	1	223	223
Hurricane	10/10/2018	110	6,820	62
Hurricane	10/10/2018	1	125	125
Hurricane	10/10/2018	3	1,131	377
Hurricane	10/10/2018	26	1,430	55
Hurricane	10/10/2018	2	56	28
Hurricane	10/10/2018	121	9,559	79
Hurricane	10/10/2018	5	1,040	208
Hurricane	10/10/2018	5	355	71
Hurricane	10/10/2018	1	190	190
Hurricane	10/10/2018	1	539	539
Hurricane	10/10/2018	41	4,100	100
Hurricane	10/10/2018	1	74	74
Hurricane	10/10/2018	13	1,027	79
Hurricane	10/10/2018	1,043	1,043	1
Hurricane	10/10/2018	16	2,224	139
Hurricane	10/10/2018	2	116	58
Hurricane	10/10/2018	5	445	89
Hurricane	10/10/2018	15	270	18
Hurricane	10/10/2018	26	2,262	87
Hurricane	10/10/2018	5	425	85
Hurricane	10/10/2018	30	2,400	80
Hurricane	10/10/2018	1	185	185
Hurricane	10/10/2018	5	1,445	289
Hurricane	10/10/2018	6	102	17
Hurricane	10/10/2018	7	4,123	589
Hurricane	10/10/2018	1	193	193
Hurricane	10/10/2018	36	3,960	110
Hurricane	10/10/2018	30	1,230	41
Hurricane	10/10/2018	12	960	80
Hurricane	10/10/2018	1	155	155
Hurricane	10/10/2018	5	500	100
Hurricane	10/10/2018	4	352	88
Hurricane	10/10/2018	3	126	42
Hurricane	10/10/2018	1	179	179
Hurricane	10/10/2018	4	48	12
Hurricane	10/10/2018	1	105	105
Hurricane	10/10/2018	28	392	14
Hurricane	10/10/2018	1	10	10
Hurricane	10/10/2018	1	288	288
Hurricane	10/10/2018	2	248	124
Hurricane	10/10/2018	1	136	136
Hurricane	10/10/2018	4	384	96
Hurricane	10/10/2018	2	106	53
Hurricane	10/10/2018	1	302	302

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/10/2018	4	100	25
Hurricane	10/10/2018	1	165	165
Hurricane	10/10/2018	4	80	20
Hurricane	10/10/2018	9	756	84
Hurricane	10/10/2018	1	162	162
Hurricane	10/10/2018	2	30	15
Hurricane	10/10/2018	38	5,358	141
Hurricane	10/10/2018	1	107	107
Hurricane	10/10/2018	1	118	118
Hurricane	10/10/2018	1	102	102
Hurricane	10/10/2018	30	3,810	127
Hurricane	10/10/2018	2	94	47
Hurricane	10/10/2018	14	462	33
Hurricane	10/10/2018	10	140	14
Hurricane	10/10/2018	1	168	168
Hurricane	10/10/2018	2	190	95
Hurricane	10/10/2018	1	99	99
Hurricane	10/10/2018	2	16	8
Hurricane	10/10/2018	1	192	192
Hurricane	10/10/2018	1	101	101
Hurricane	10/10/2018	25	1,600	64
Hurricane	10/10/2018	1	103	103
Hurricane	10/10/2018	6	366	61
Hurricane	10/10/2018	6	402	67
Hurricane	10/10/2018	12	4,572	381
Hurricane	10/10/2018	1	400	400
Hurricane	10/10/2018	10	230	23
Hurricane	10/10/2018	8	1,840	230
Hurricane	10/10/2018	7	371	53
Hurricane	10/10/2018	1	75	75
Hurricane	10/10/2018	1	130	130
Hurricane	10/10/2018	1	184	184
Hurricane	10/10/2018	1	285	285
Hurricane	10/10/2018	42	2,058	49
Hurricane	10/10/2018	1	52	52
Hurricane	10/10/2018	1	86	86
Hurricane	10/10/2018	1	141	141
Hurricane	10/10/2018	1	19	19
Hurricane	10/10/2018	1	504	504
Hurricane	10/10/2018	1	47	47
Hurricane	10/10/2018	43	8,170	190
Hurricane	10/10/2018	1	417	417
Hurricane	10/10/2018	3	9	3
Hurricane	10/10/2018	1	254	254
Hurricane	10/10/2018	28	4,508	161
Hurricane	10/10/2018	8	584	73
Hurricane	10/10/2018	1	198	198
Hurricane	10/10/2018	1	49	49
Hurricane	10/10/2018	4	188	47
Hurricane	10/10/2018	3	132	44
Hurricane	10/10/2018	1	160	160
Hurricane	10/10/2018	5	45	9
Hurricane	10/10/2018	2	394	197

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/10/2018	593	1,186	2
Hurricane	10/10/2018	1	134	134
Hurricane	10/10/2018	4	616	154
Hurricane	10/10/2018	6	1,170	195
Hurricane	10/10/2018	10	170	17
Hurricane	10/10/2018	1	135	135
Hurricane	10/10/2018	6	1,914	319
Hurricane	10/10/2018	6	756	126
Hurricane	10/10/2018	1	338	338
Hurricane	10/10/2018	3	180	60
Hurricane	10/10/2018	1	336	336
Hurricane	10/10/2018	16	1,376	86
Hurricane	10/10/2018	194	15,092	103
Hurricane	10/10/2018	1	176	176
Hurricane	10/10/2018	1	123	123
Hurricane	10/10/2018	1,268	3,804	3
Hurricane	10/10/2018	6	870	145
Hurricane	10/10/2018	39	2,925	75
Hurricane	10/10/2018	2	184	92
Hurricane	10/10/2018	1	400	400
Hurricane	10/10/2018	1	8	8
Hurricane	10/10/2018	1	66	66
Hurricane	10/10/2018	17	3,009	177
Hurricane	10/10/2018	2	342	171
Hurricane	10/10/2018	12	900	75
Hurricane	10/10/2018	1	24	24
Hurricane	10/10/2018	14	5,320	380
Hurricane	10/10/2018	1	25	25
Hurricane	10/10/2018	1	145	145
Hurricane	10/10/2018	2	148	74
Hurricane	10/10/2018	8	704	88
Hurricane	10/10/2018	1	205	205
Hurricane	10/10/2018	2	552	276
Hurricane	10/10/2018	1	79	79
Hurricane	10/10/2018	1	477	477
Hurricane	10/10/2018	1	125	125
Hurricane	10/10/2018	21	1,512	72
Hurricane	10/10/2018	4	76	19
Hurricane	10/10/2018	7	371	53
Hurricane	10/10/2018	3	339	113
Hurricane	10/10/2018	4	400	100
Hurricane	10/10/2018	19	1,501	79
Hurricane	10/10/2018	1	59	59
Hurricane	10/10/2018	1	85	85
Hurricane	10/10/2018	1	206	206
Hurricane	10/10/2018	8	3,048	381
Hurricane	10/10/2018	3	582	194
Hurricane	10/10/2018	4	408	102
Hurricane	10/10/2018	1	270	270
Hurricane	10/10/2018	5	70	14
Hurricane	10/10/2018	10	10,594	1,075
Hurricane	10/10/2018	11	2,442	222
Hurricane	10/10/2018	4	200	50

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/10/2018	3	213	332
Hurricane	10/10/2018	34	1,666	49
Hurricane	10/10/2018	33	5,214	158
Hurricane	10/10/2018	637	3,185	5
Hurricane	10/10/2018	16	1,088	68
Hurricane	10/10/2018	16	608	38
Hurricane	10/10/2018	6	438	73
Hurricane	10/10/2018	19	931	49
Hurricane	10/10/2018	1	121	121
Hurricane	10/10/2018	8	2,336	292
Hurricane	10/10/2018	4	212	53
Hurricane	10/10/2018	199	3,843	50
Hurricane	10/10/2018	1	205	205
Hurricane	10/10/2018	7	2,653	379
Hurricane	10/10/2018	37	7,067	191
Hurricane	10/10/2018	1	5	5
Hurricane	10/10/2018	4	1,276	319
Hurricane	10/10/2018	2	408	204
Hurricane	10/10/2018	1	184	184
Hurricane	10/10/2018	1	147	147
Hurricane	10/10/2018	1	48	48
Hurricane	10/10/2018	2	154	77
Hurricane	10/10/2018	1	149	149
Hurricane	10/10/2018	1	315	315
Hurricane	10/10/2018	3	120	40
Hurricane	10/10/2018	4	168	42
Hurricane	10/10/2018	8	112	14
Hurricane	10/10/2018	10	173	20
Hurricane	10/10/2018	1	102	102
Hurricane	10/10/2018	8	760	95
Hurricane	10/10/2018	8	432	54
Hurricane	10/10/2018	6	1,992	332
Hurricane	10/10/2018	1	105	105
Hurricane	10/10/2018	1	316	316
Hurricane	10/10/2018	19	5,339	281
Hurricane	10/10/2018	1	66	66
Hurricane	10/10/2018	1	219	219
Hurricane	10/10/2018	4	436	109
Hurricane	10/10/2018	1	104	104
Hurricane	10/10/2018	1	288	288
Hurricane	10/10/2018	4	1,192	298
Hurricane	10/10/2018	16	384	24
Hurricane	10/10/2018	11	33	3
Hurricane	10/10/2018	1	143	143
Hurricane	10/10/2018	1	153	153
Hurricane	10/10/2018	7	1,428	204
Hurricane	10/10/2018	305	30,195	99
Hurricane	10/10/2018	2	14	7
Hurricane	10/10/2018	4	468	118
Hurricane	10/10/2018	4	2,200	550
Hurricane	10/10/2018	1	243	243
Hurricane	10/10/2018	5	215	43
Hurricane	10/10/2018	29	812	28

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/10/2018	2	218	109
Hurricane	10/10/2018	4	900	422
Hurricane	10/10/2018	53	6,890	130
Hurricane	10/10/2018	1	70	70
Hurricane	10/10/2018	1	85	85
Hurricane	10/10/2018	1	50	50
Hurricane	10/10/2018	11	132	12
Hurricane	10/10/2018	4	160	40
Hurricane	10/10/2018	4	1,252	313
Hurricane	10/10/2018	146	23,944	164
Hurricane	10/10/2018	2	256	128
Hurricane	10/10/2018	19	3,667	193
Hurricane	10/10/2018	1	48	48
Hurricane	10/10/2018	135	8,775	65
Hurricane	10/10/2018	1	461	461
Hurricane	10/10/2018	9	1,674	186
Hurricane	10/10/2018	1	114	114
Hurricane	10/10/2018	4	168	42
Hurricane	10/10/2018	1	58	58
Hurricane	10/10/2018	82	8,036	98
Hurricane	10/10/2018	14	1,596	114
Hurricane	10/10/2018	14	3,010	215
Hurricane	10/10/2018	1	109	109
Hurricane	10/10/2018	1	195	195
Hurricane	10/10/2018	1	149	149
Hurricane	10/10/2018	727	53,798	74
Hurricane	10/10/2018	2,172	91,818	81
Hurricane	10/10/2018	3	216	72
Hurricane	10/10/2018	1	607	607
Hurricane	10/10/2018	1	168	168
Hurricane	10/10/2018	13	1,300	100
Hurricane	10/10/2018	3	201	67
Hurricane	10/10/2018	12	888	74
Hurricane	10/10/2018	3	300	100
Hurricane	10/10/2018	2	596	298
Hurricane	10/10/2018	1	79	79
Hurricane	10/10/2018	6	672	112
Hurricane	10/10/2018	10	6,970	697
Hurricane	10/10/2018	2	132	66
Hurricane	10/10/2018	1	157	157
Hurricane	10/10/2018	1	185	185
Hurricane	10/10/2018	2	192	96
Hurricane	10/10/2018	2	124	62
Hurricane	10/10/2018	2	232	116
Hurricane	10/10/2018	6	648	108
Hurricane	10/10/2018	12	204	17
Hurricane	10/10/2018	20	2,100	129
Hurricane	10/10/2018	1	261	261
Hurricane	10/10/2018	34	3,740	110
Hurricane	10/10/2018	1	141	141
Hurricane	10/10/2018	1	100	100
Hurricane	10/10/2018	1	91	91
Hurricane	10/10/2018	46	3,128	68

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/10/2018	6	1,650	275
Hurricane	10/10/2018	3	696	232
Hurricane	10/10/2018	5	1,105	221
Hurricane	10/10/2018	5	1,005	201
Hurricane	10/10/2018	1	316	317
Hurricane	10/10/2018	2	444	222
Hurricane	10/10/2018	78	5,070	65
Hurricane	10/10/2018	1	341	341
Hurricane	10/10/2018	7	1,680	240
Hurricane	10/10/2018	1	267	267
Hurricane	10/10/2018	1	463	463
Hurricane	10/10/2018	15	1,395	93
Hurricane	10/10/2018	1	144	144
Hurricane	10/10/2018	1	57	57
Hurricane	10/10/2018	1	93	93
Hurricane	10/10/2018	53	4,226	218
Hurricane	10/10/2018	11	1,144	104
Hurricane	10/10/2018	7	651	93
Hurricane	10/10/2018	31	2,666	86
Hurricane	10/10/2018	1	262	262
Hurricane	10/10/2018	7	588	84
Hurricane	10/10/2018	12	3,180	265
Hurricane	10/10/2018	9	1,485	165
Hurricane	10/10/2018	24	2,184	91
Hurricane	10/10/2018	5	335	67
Hurricane	10/10/2018	435	17,820	55
Hurricane	10/10/2018	9	767	97
Hurricane	10/10/2018	704	30,272	43
Hurricane	10/10/2018	29	1,421	49
Hurricane	10/10/2018	678	3,390	5
Hurricane	10/10/2018	28	7,532	269
Hurricane	10/10/2018	1	146	146
Hurricane	10/10/2018	5	390	78
Hurricane	10/10/2018	2	314	157
Hurricane	10/10/2018	4	52	13
Hurricane	10/10/2018	2	206	103
Hurricane	10/10/2018	1	111	111
Hurricane	10/10/2018	37	6,105	165
Hurricane	10/10/2018	9	1,116	124
Hurricane	10/10/2018	24	1,944	81
Hurricane	10/10/2018	4	456	115
Hurricane	10/10/2018	4	708	177
Hurricane	10/10/2018	59	3,215	85
Hurricane	10/10/2018	1	132	132
Hurricane	10/10/2018	1	125	125
Hurricane	10/10/2018	42	2,184	52
Hurricane	10/10/2018	1	78	78
Hurricane	10/10/2018	1	117	117
Hurricane	10/10/2018	2	110	55
Hurricane	10/10/2018	14	616	44
Hurricane	10/10/2018	4	344	86
Hurricane	10/10/2018	6	2,610	435
Hurricane	10/10/2018	1	38	38

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/10/2018	3	738	246
Hurricane	10/10/2018	1	130	130
Hurricane	10/10/2018	1	87	87
Hurricane	10/10/2018	1	75	75
Hurricane	10/10/2018	11	352	32
Hurricane	10/10/2018	1	186	186
Hurricane	10/10/2018	1	199	199
Hurricane	10/10/2018	1	76	76
Hurricane	10/10/2018	1	87	87
Hurricane	10/10/2018	1	175	175
Hurricane	10/10/2018	10	1,661	167
Hurricane	10/10/2018	6	678	113
Hurricane	10/10/2018	4	256	64
Hurricane	10/10/2018	4	648	162
Hurricane	10/10/2018	1	389	389
Hurricane	10/10/2018	6	1,704	284
Hurricane	10/10/2018	53	2,544	48
Hurricane	10/10/2018	7	1,582	226
Hurricane	10/10/2018	22	1,078	49
Hurricane	10/10/2018	36	1,692	47
Hurricane	10/10/2018	35	1,645	47
Hurricane	10/10/2018	27	1,188	44
Hurricane	10/10/2018	18	792	44
Hurricane	10/10/2018	11	506	46
Hurricane	10/10/2018	22	968	44
Hurricane	10/10/2018	10	3,940	394
Hurricane	10/10/2018	1	137	137
Hurricane	10/10/2018	5	140	28
Hurricane	10/10/2018	1	314	314
Hurricane	10/10/2018	36	2,880	80
Hurricane	10/10/2018	9	198	22
Hurricane	10/10/2018	1	78	78
Hurricane	10/10/2018	11	1,287	117
Hurricane	10/10/2018	1	40	40
Hurricane	10/10/2018	46	3,450	77
Hurricane	10/10/2018	6	450	75
Hurricane	10/10/2018	1	27	27
Hurricane	10/10/2018	4	660	165
Hurricane	10/10/2018	1	156	156
Hurricane	10/10/2018	7	105	15
Hurricane	10/10/2018	1	155	155
Hurricane	10/10/2018	1	328	328
Hurricane	10/10/2018	5	490	98
Hurricane	10/10/2018	1	4	4
Hurricane	10/10/2018	9	729	81
Hurricane	10/10/2018	8	1,128	141
Hurricane	10/10/2018	1	58	58
Hurricane	10/10/2018	1	70	70
Hurricane	10/10/2018	29	5,858	202
Hurricane	10/10/2018	1	100	100
Hurricane	10/10/2018	2	160	80
Hurricane	10/10/2018	1	150	150
Hurricane	10/10/2018	3,106	102,900	87

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/10/2018	19	4,009	211
Hurricane	10/10/2018	4	172	43
Hurricane	10/10/2018	1	3	3
Hurricane	10/10/2018	67	3,551	53
Hurricane	10/10/2018	3	417	139
Hurricane	10/10/2018	3	72	24
Hurricane	10/10/2018	3	243	81
Hurricane	10/10/2018	2	328	164
Hurricane	10/10/2018	2	160	80
Hurricane	10/10/2018	1	100	100
Hurricane	10/10/2018	5	2,850	570
Hurricane	10/10/2018	19	7,943	491
Hurricane	10/10/2018	1,038	43,998	488
Hurricane	10/10/2018	1	92	92
Hurricane	10/10/2018	3	675	225
Hurricane	10/10/2018	3	120	40
Hurricane	10/10/2018	64	5,184	81
Hurricane	10/10/2018	1	210	210
Hurricane	10/10/2018	1	53	53
Hurricane	10/10/2018	810	31,462	41
Hurricane	10/10/2018	1,328	46,242	127
Hurricane	10/10/2018	1,375	2,750	2
Hurricane	10/10/2018	10	740	74
Hurricane	10/10/2018	3	654	218
Hurricane	10/10/2018	1	53	53
Hurricane	10/10/2018	2	126	63
Hurricane	10/10/2018	2	426	213
Hurricane	10/10/2018	1	160	160
Hurricane	10/10/2018	15	1,470	98
Hurricane	10/10/2018	1	339	339
Hurricane	10/10/2018	13	715	55
Hurricane	10/10/2018	39	3,900	100
Hurricane	10/10/2018	52	1,092	21
Hurricane	10/10/2018	1	176	176
Hurricane	10/10/2018	7	959	137
Hurricane	10/10/2018	1	221	221
Hurricane	10/10/2018	3	597	199
Hurricane	10/10/2018	20	4,520	226
Hurricane	10/10/2018	1	41	41
Hurricane	10/10/2018	37	8,621	233
Hurricane	10/10/2018	62	20,832	336
Hurricane	10/10/2018	23	1,863	81
Hurricane	10/10/2018	1	58	58
Hurricane	10/10/2018	1	51	51
Hurricane	10/10/2018	6	1,776	296
Hurricane	10/10/2018	4	172	43
Hurricane	10/10/2018	3	288	96
Hurricane	10/10/2018	4	216	54
Hurricane	10/11/2018	1	140	140
Hurricane	10/11/2018	1	107	107
Hurricane	10/11/2018	1	76	76
Hurricane	10/11/2018	1	198	198
Hurricane	10/11/2018	1	108	108

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/11/2018	1	148	148
Hurricane	10/11/2018	8	4,816	602
Hurricane	10/11/2018	9	2,682	298
Hurricane	10/11/2018	1	68	68
Hurricane	10/11/2018	2	210	105
Hurricane	10/11/2018	4	360	90
Hurricane	10/11/2018	10	2,510	251
Hurricane	10/11/2018	7	2,219	317
Hurricane	10/11/2018	1	12	12
Hurricane	10/11/2018	1	326	326
Hurricane	10/11/2018	6	1,440	240
Hurricane	10/11/2018	4	312	78
Hurricane	10/11/2018	53	5,777	109
Hurricane	10/11/2018	4	320	80
Hurricane	10/11/2018	8	680	85
Hurricane	10/11/2018	7	1,470	210
Hurricane	10/11/2018	1	56	56
Hurricane	10/11/2018	8	1,352	169
Hurricane	10/11/2018	133	50,008	376
Hurricane	10/11/2018	19	6,251	329
Hurricane	10/11/2018	1	211	211
Hurricane	10/11/2018	3	264	88
Hurricane	10/11/2018	5	170	34
Hurricane	10/11/2018	2	974	487
Hurricane	10/11/2018	2	132	66
Hurricane	10/11/2018	45	3,240	72
Hurricane	10/11/2018	25	4,075	163
Hurricane	10/11/2018	4	264	66
Hurricane	10/11/2018	51	12,495	245
Hurricane	10/11/2018	3	258	86
Hurricane	10/11/2018	1	280	280
Hurricane	10/11/2018	1	90	90
Hurricane	10/11/2018	1	129	129
Hurricane	10/11/2018	1	132	132
Hurricane	10/11/2018	10	2,600	260
Hurricane	10/11/2018	3	1,086	362
Hurricane	10/11/2018	1	261	261
Hurricane	10/11/2018	1	116	116
Hurricane	10/11/2018	9	3,312	368
Hurricane	10/11/2018	1	172	172
Hurricane	10/11/2018	93	6,975	75
Hurricane	10/11/2018	2	260	130
Hurricane	10/11/2018	1	127	127
Hurricane	10/11/2018	1	222	222
Hurricane	10/11/2018	1	450	450
Hurricane	10/11/2018	1	78	78
Hurricane	10/11/2018	1	183	183
Hurricane	10/11/2018	11	3,003	273
Hurricane	10/11/2018	1	107	107
Hurricane	10/11/2018	23	115	5
Hurricane	10/11/2018	4	216	54
Hurricane	10/11/2018	4	584	146
Hurricane	10/11/2018	20	3,326	331

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/11/2018	11	715	65
Hurricane	10/11/2018	1	436	436
Hurricane	10/11/2018	1	184	184
Hurricane	10/11/2018	1	160	160
Hurricane	10/11/2018	5	1,685	337
Hurricane	10/11/2018	1	76	76
Hurricane	10/11/2018	5	1,155	231
Hurricane	10/11/2018	11	781	71
Hurricane	10/11/2018	4	388	97
Hurricane	10/11/2018	2	144	72
Hurricane	10/11/2018	16	3,056	191
Hurricane	10/11/2018	1	108	108
Hurricane	10/11/2018	1	124	124
Hurricane	10/11/2018	1	114	114
Hurricane	10/11/2018	1	248	248
Hurricane	10/11/2018	1	22	22
Hurricane	10/11/2018	1	86	86
Hurricane	10/11/2018	1	69	69
Hurricane	10/11/2018	5	365	73
Hurricane	10/11/2018	1	95	95
Hurricane	10/11/2018	1	200	200
Hurricane	10/11/2018	1	128	128
Hurricane	10/11/2018	1	148	148
Hurricane	10/11/2018	1	37	37
Hurricane	10/11/2018	12	768	64
Hurricane	10/11/2018	1	135	135
Hurricane	10/11/2018	1	80	80
Hurricane	10/11/2018	756	16,632	22
Hurricane	10/11/2018	1	109	109
Hurricane	10/11/2018	268	1,876	7
Hurricane	10/11/2018	1	317	317
Hurricane	10/11/2018	35	1,855	53
Hurricane	10/11/2018	1	105	105
Hurricane	10/11/2018	1	45	45
Hurricane	10/11/2018	1	324	324
Hurricane	10/11/2018	493	18,734	38
Hurricane	10/11/2018	7	1,274	182
Hurricane	10/11/2018	3	870	290
Hurricane	10/11/2018	1	80	80
Hurricane	10/11/2018	7	2,849	407
Hurricane	10/11/2018	1	63	63
Hurricane	10/11/2018	22	3,388	154
Hurricane	10/11/2018	2	486	243
Hurricane	10/11/2018	3	195	65
Hurricane	10/11/2018	14	812	58
Hurricane	10/11/2018	1	240	240
Hurricane	10/11/2018	3	984	328
Hurricane	10/11/2018	234	37,440	160
Hurricane	10/11/2018	4	392	98
Hurricane	10/11/2018	1	159	159
Hurricane	10/11/2018	1	140	140
Hurricane	10/11/2018	4	116	29
Hurricane	10/11/2018	2	518	259

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/11/2018	1	476	476
Hurricane	10/11/2018	8	56	7
Hurricane	10/11/2018	1	303	303
Hurricane	10/11/2018	4	68	17
Hurricane	10/11/2018	10	170	17
Hurricane	10/11/2018	14	1,176	84
Hurricane	10/11/2018	1	160	160
Hurricane	10/11/2018	7	280	40
Hurricane	10/11/2018	5	455	91
Hurricane	10/11/2018	4	708	177
Hurricane	10/11/2018	7	1,197	171
Hurricane	10/11/2018	6	1,128	188
Hurricane	10/11/2018	1	326	326
Hurricane	10/11/2018	1	8	8
Hurricane	10/11/2018	1	90	90
Hurricane	10/11/2018	1	307	307
Hurricane	10/11/2018	78	4,758	61
Hurricane	10/11/2018	5	135	27
Hurricane	10/11/2018	2	608	304
Hurricane	10/11/2018	6	672	112
Hurricane	10/11/2018	22	2,134	97
Hurricane	10/11/2018	18	1,746	97
Hurricane	10/11/2018	1	56	56
Hurricane	10/11/2018	1	59	59
Hurricane	10/11/2018	27	6,561	243
Hurricane	10/11/2018	2	198	99
Hurricane	10/11/2018	5	1,345	269
Hurricane	10/11/2018	2	478	239
Hurricane	10/11/2018	1	278	278
Hurricane	10/11/2018	3	39	13
Hurricane	10/11/2018	24	1,872	78
Hurricane	10/11/2018	1	66	66
Hurricane	10/11/2018	12	948	79
Hurricane	10/11/2018	8	440	55
Hurricane	10/11/2018	26	245	195
Hurricane	10/11/2018	1	55	55
Hurricane	10/11/2018	8	184	23
Hurricane	10/11/2018	1	53	53
Hurricane	10/11/2018	18	846	47
Hurricane	10/11/2018	2	52	26
Hurricane	10/11/2018	2	616	308
Hurricane	10/11/2018	1	696	696
Hurricane	10/11/2018	3	198	66
Hurricane	10/11/2018	6	132	22
Hurricane	10/11/2018	1	42	42
Hurricane	10/11/2018	7	63	9
Hurricane	10/11/2018	43	8,428	196
Hurricane	10/11/2018	4	636	159
Hurricane	10/11/2018	3	321	107
Hurricane	10/11/2018	1	372	372
Hurricane	10/11/2018	8	608	76
Hurricane	10/11/2018	3	318	106
Hurricane	10/11/2018	2,398	49,864	48

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/11/2018	11	1,056	96
Hurricane	10/11/2018	8	920	115
Hurricane	10/11/2018	1,269	1,269	1
Hurricane	10/11/2018	10	520	52
Hurricane	10/11/2018	1	17	17
Hurricane	10/11/2018	9	1,269	141
Hurricane	10/11/2018	3	171	57
Hurricane	10/11/2018	1	219	219
Hurricane	10/11/2018	1	90	90
Hurricane	10/11/2018	1	96	96
Hurricane	10/11/2018	48	5,088	106
Hurricane	10/11/2018	16	1,088	68
Hurricane	10/11/2018	8	376	47
Hurricane	10/11/2018	2	192	96
Hurricane	10/11/2018	4	320	80
Hurricane	10/11/2018	1	224	224
Hurricane	10/11/2018	11	2,420	220
Hurricane	10/11/2018	1	218	218
Hurricane	10/11/2018	7	2,345	335
Hurricane	10/11/2018	1	67	67
Hurricane	10/11/2018	1	170	170
Hurricane	10/11/2018	3	393	131
Hurricane	10/11/2018	5	135	27
Hurricane	10/11/2018	18	846	47
Hurricane	10/11/2018	1	77	77
Hurricane	10/11/2018	3	138	46
Hurricane	10/11/2018	1	200	200
Hurricane	10/11/2018	8	728	91
Hurricane	10/11/2018	128	5,376	42
Hurricane	10/11/2018	2	184	92
Hurricane	10/11/2018	2	62	31
Hurricane	10/11/2018	190	21,470	113
Hurricane	10/11/2018	1	137	137
Hurricane	10/11/2018	9	621	69
Hurricane	10/11/2018	1	31	31
Hurricane	10/11/2018	6	168	28
Hurricane	10/11/2018	20	1,920	96
Hurricane	10/11/2018	1	266	266
Hurricane	10/11/2018	3	207	69
Hurricane	10/11/2018	8	544	68
Hurricane	10/11/2018	451	62,193	192
Hurricane	10/11/2018	5	1,030	206
Hurricane	10/11/2018	1	7	7
Hurricane	10/11/2018	1	8	8
Hurricane	10/11/2018	1	372	372
Hurricane	10/11/2018	6	576	96
Hurricane	10/11/2018	4	1,144	286
Hurricane	10/11/2018	34	102	3
Hurricane	10/11/2018	23	5,428	236
Hurricane	10/11/2018	59	118	2
Hurricane	10/11/2018	3	219	73
Hurricane	10/11/2018	1	204	204
Hurricane	10/11/2018	14	3,178	249

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/11/2018	79	3,397	43
Hurricane	10/11/2018	8	592	74
Hurricane	10/11/2018	105	10,500	100
Hurricane	10/11/2018	1	64	64
Hurricane	10/11/2018	1	12	12
Hurricane	10/11/2018	1	38	38
Hurricane	10/11/2018	1	37	37
Hurricane	10/11/2018	34	4,488	132
Hurricane	10/11/2018	96	3,168	33
Hurricane	10/11/2018	2	220	110
Hurricane	10/11/2018	2	372	186
Hurricane	10/11/2018	1	98	98
Hurricane	10/11/2018	8	392	49
Hurricane	10/11/2018	49	4,361	89
Hurricane	10/11/2018	1	191	191
Hurricane	10/11/2018	27	8,586	318
Hurricane	10/11/2018	1	359	359
Hurricane	10/11/2018	1	55	55
Hurricane	10/11/2018	24	2,616	109
Hurricane	10/11/2018	1	143	143
Hurricane	10/11/2018	153	26,469	173
Hurricane	10/11/2018	7	112	16
Hurricane	10/11/2018	62	12,528	327
Hurricane	10/11/2018	11	2,937	267
Hurricane	10/11/2018	1,765	5,295	3
Hurricane	10/11/2018	1	71	71
Hurricane	10/11/2018	4	692	173
Hurricane	10/11/2018	12	3,732	311
Hurricane	10/11/2018	11	3,102	282
Hurricane	10/11/2018	13	4,563	351
Hurricane	10/11/2018	6	1,296	216
Hurricane	10/11/2018	32	9,760	305
Hurricane	10/11/2018	9	117	13
Hurricane	10/11/2018	1	111	111
Hurricane	10/11/2018	1	25	25
Hurricane	10/11/2018	4	540	135
Hurricane	10/11/2018	1	136	136
Hurricane	10/11/2018	1	141	141
Hurricane	10/11/2018	2,327	119,602	86
Hurricane	10/11/2018	1	22	22
Hurricane	10/11/2018	1	126	126
Hurricane	10/11/2018	9	558	62
Hurricane	10/11/2018	59	13,983	237
Hurricane	10/11/2018	7	1,897	271
Hurricane	10/11/2018	25	5,855	409
Hurricane	10/11/2018	8	1,872	234
Hurricane	10/11/2018	1	17	17
Hurricane	10/11/2018	25	4,500	180
Hurricane	10/11/2018	8	328	41
Hurricane	10/11/2018	9	954	106
Hurricane	10/11/2018	1	125	125
Hurricane	10/11/2018	1	67	67
Hurricane	10/11/2018	3	609	203

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/11/2018	2	222	111
Hurricane	10/11/2018	6	102	17
Hurricane	10/11/2018	52	15,030	606
Hurricane	10/11/2018	1	223	223
Hurricane	10/11/2018	13	2,314	178
Hurricane	10/11/2018	1	31	31
Hurricane	10/11/2018	847	847	1
Hurricane	10/11/2018	5	1,225	245
Hurricane	10/11/2018	9	3,150	350
Hurricane	10/11/2018	6	1,020	170
Hurricane	10/11/2018	6	1,380	230
Hurricane	10/11/2018	1	312	312
Hurricane	10/11/2018	1	124	124
Hurricane	10/11/2018	1	87	87
Hurricane	10/11/2018	644	52,446	139
Hurricane	10/11/2018	3	354	118
Hurricane	10/11/2018	7	917	131
Hurricane	10/11/2018	1	465	465
Hurricane	10/11/2018	1	223	223
Hurricane	10/11/2018	6	1,398	233
Hurricane	10/11/2018	1	100	100
Hurricane	10/11/2018	1	141	141
Hurricane	10/11/2018	1	26	26
Hurricane	10/11/2018	2	344	172
Hurricane	10/11/2018	4	1,120	280
Hurricane	10/11/2018	1	168	168
Hurricane	10/11/2018	1	114	114
Hurricane	10/11/2018	11	8,503	773
Hurricane	10/11/2018	7	196	28
Hurricane	10/11/2018	9	2,079	231
Hurricane	10/11/2018	3	198	66
Hurricane	10/11/2018	35	3,045	87
Hurricane	10/11/2018	72	25,128	349
Hurricane	10/11/2018	1	1,170	1,170
Hurricane	10/11/2018	88	16,104	183
Hurricane	10/11/2018	16	432	27
Hurricane	10/11/2018	1	116	116
Hurricane	10/11/2018	1,004	6,024	6
Hurricane	10/11/2018	1	196	196
Hurricane	10/11/2018	6	738	123
Hurricane	10/11/2018	4	336	84
Hurricane	10/11/2018	2	178	89
Hurricane	10/11/2018	3	222	74
Hurricane	10/11/2018	9	3,186	354
Hurricane	10/11/2018	1	1,169	1,169
Hurricane	10/11/2018	10	770	77
Hurricane	10/11/2018	5	790	158
Hurricane	10/11/2018	2	510	255
Hurricane	10/11/2018	5	4,400	880
Hurricane	10/11/2018	9	1,494	166
Hurricane	10/11/2018	1	111	111
Hurricane	10/11/2018	38	2,090	343
Hurricane	10/11/2018	18	1,062	59

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/11/2018	1	4	4
Hurricane	10/11/2018	9	504	56
Hurricane	10/11/2018	1	1,272	1,272
Hurricane	10/11/2018	28	2,184	78
Hurricane	10/11/2018	28	3,836	137
Hurricane	10/11/2018	13	3,965	305
Hurricane	10/11/2018	3	402	134
Hurricane	10/11/2018	10	820	82
Hurricane	10/11/2018	7	2,002	286
Hurricane	10/11/2018	535	33,714	90
Hurricane	10/11/2018	785	46,671	132
Hurricane	10/11/2018	8	1,528	191
Hurricane	10/11/2018	1	156	156
Hurricane	10/11/2018	37	3,108	84
Hurricane	10/11/2018	1	223	223
Hurricane	10/11/2018	1	692	692
Hurricane	10/11/2018	1	52	52
Hurricane	10/11/2018	1	87	87
Hurricane	10/11/2018	14	3,544	260
Hurricane	10/11/2018	3	366	122
Hurricane	10/11/2018	4	752	188
Hurricane	10/11/2018	2	604	302
Hurricane	10/11/2018	1	188	188
Hurricane	10/11/2018	16	1,232	77
Hurricane	10/11/2018	1	53	53
Hurricane	10/11/2018	1	124	124
Hurricane	10/11/2018	12	1,956	163
Hurricane	10/11/2018	1	123	123
Hurricane	10/11/2018	1	165	165
Hurricane	10/11/2018	4	184	46
Hurricane	10/11/2018	1	126	126
Hurricane	10/11/2018	10	4,970	497
Hurricane	10/11/2018	1,004	3,012	3
Hurricane	10/11/2018	2	144	72
Hurricane	10/11/2018	12	2,040	170
Hurricane	10/11/2018	3	453	151
Hurricane	10/11/2018	1	54	54
Hurricane	10/11/2018	12	492	41
Hurricane	10/11/2018	4	400	100
Hurricane	10/11/2018	13	1,719	249
Hurricane	10/11/2018	1	94	94
Hurricane	10/11/2018	64	3,008	47
Hurricane	10/11/2018	4	376	94
Hurricane	10/11/2018	4	808	202
Hurricane	10/11/2018	2	106	53
Hurricane	10/11/2018	1	77	77
Hurricane	10/11/2018	1	63	63
Hurricane	10/11/2018	4	208	52
Hurricane	10/11/2018	26	10,114	389
Hurricane	10/11/2018	30	5,040	168
Hurricane	10/11/2018	2	158	79
Hurricane	10/11/2018	12	324	27
Hurricane	10/11/2018	1	760	760

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/11/2018	1	146	146
Hurricane	10/11/2018	2	388	194
Hurricane	10/11/2018	3	651	217
Hurricane	10/11/2018	1	888	888
Hurricane	10/11/2018	8	816	102
Hurricane	10/11/2018	2	124	62
Hurricane	10/11/2018	1	60	60
Hurricane	10/11/2018	4	156	39
Hurricane	10/11/2018	13	1,911	147
Hurricane	10/11/2018	1	42	42
Hurricane	10/11/2018	1	55	55
Hurricane	10/11/2018	1	144	144
Hurricane	10/11/2018	5	3,125	625
Hurricane	10/11/2018	25	10,225	409
Hurricane	10/11/2018	1	109	109
Hurricane	10/11/2018	1	48	48
Hurricane	10/11/2018	4	1,788	447
Hurricane	10/11/2018	13	546	42
Hurricane	10/11/2018	1	203	203
Hurricane	10/11/2018	1	384	384
Hurricane	10/11/2018	1	44	44
Hurricane	10/11/2018	1	196	196
Hurricane	10/11/2018	2	450	225
Hurricane	10/11/2018	12	1,380	115
Hurricane	10/11/2018	1	203	203
Hurricane	10/11/2018	118	2,242	19
Hurricane	10/11/2018	10	1,590	159
Hurricane	10/11/2018	1	222	222
Hurricane	10/11/2018	6	288	48
Hurricane	10/11/2018	2	88	44
Hurricane	10/11/2018	1	24	24
Hurricane	10/11/2018	1	85	85
Hurricane	10/11/2018	12	924	77
Hurricane	10/11/2018	24	3,936	164
Hurricane	10/11/2018	1	98	98
Hurricane	10/11/2018	17	5,406	318
Hurricane	10/11/2018	12	1,128	94
Hurricane	10/11/2018	2	116	58
Hurricane	10/11/2018	2	218	109
Tornado	12/20/2018	8	3,536	442
Tornado	12/20/2018	1,509	15,090	10
Tornado	12/20/2018	7	168	24
Tornado	12/20/2018	1	35	35
Tornado	12/20/2018	6	372	62
Tornado	12/20/2018	3	879	293
Tornado	12/20/2018	58	18,966	327
Tornado	12/20/2018	1	253	253
Tornado	12/20/2018	3	606	202
Tornado	12/20/2018	82	10,516	186
Tornado	12/20/2018	1	460	460
Tornado	12/20/2018	5	780	156
Tornado	12/20/2018	9	4,167	463
Tornado	12/20/2018	666	36,656	56

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	12/20/2018	1	125	125
Tornado	12/20/2018	4	1,696	424
Tornado	12/20/2018	46	7,314	159
Tornado	12/20/2018	29	2,262	78
Tornado	12/20/2018	6	2,022	337
Tornado	12/20/2018	1	78	78
Tornado	12/20/2018	1	242	242
Tornado	12/20/2018	2	482	241
Tornado	12/20/2018	499	499	1
Tornado	12/20/2018	11	231	21
Tornado	12/20/2018	7	630	90
Tornado	12/20/2018	1	352	352
Tornado	12/20/2018	8	3,376	422
Tornado	12/20/2018	6	3,102	517
Tornado	12/20/2018	49	4,802	98
Tornado	12/20/2018	2	272	136
Tornado	12/20/2018	2	96	48
Tornado	12/20/2018	1	342	342
Tornado	12/20/2018	38	2,698	71
Tornado	12/20/2018	4	296	74
Tornado	12/20/2018	11	704	64
Tornado	12/20/2018	1	73	73
Tornado	12/20/2018	1	103	103
Tornado	12/20/2018	3	483	161
Tornado	12/20/2018	1	324	324
Tornado	12/20/2018	8	688	86
Tornado	12/20/2018	40	3,160	79
Tornado	12/20/2018	8	2,088	261
Tornado	12/20/2018	20	1,480	74
Tornado	12/20/2018	3	396	132
Tornado	12/20/2018	5	245	49
Tornado	12/20/2018	4	808	202
Tornado	12/20/2018	1	341	341
Tornado	12/20/2018	1	23	23
Tornado	12/20/2018	94	8,930	95
Tornado	12/20/2018	5	1,295	259
Tornado	12/20/2018	16	3,200	200
Tornado	12/20/2018	3	231	77
Tornado	12/20/2018	1	434	434
Tornado	12/20/2018	4	180	45
Tornado	12/20/2018	66	10,098	153
Tornado	12/20/2018	2	136	68
Tornado	12/20/2018	4	464	116
Tornado	12/20/2018	2	550	275
Tornado	12/20/2018	8	1,008	126
Tornado	12/20/2018	3	687	229
Tornado	12/20/2018	29	3,393	117
Tornado	12/20/2018	2	18	9
Tornado	12/20/2018	63	18,333	291
Tornado	12/20/2018	5	1,520	304
Tornado	12/20/2018	9	1,260	140
Tornado	12/20/2018	19	2,565	135
Tornado	12/20/2018	3	114	38

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	12/20/2018	10	820	82
Tornado	12/20/2018	5	870	174
Tornado	12/20/2018	46	6,164	134
Tornado	12/20/2018	10	4,270	459
Tornado	12/20/2018	5	970	194
Tornado	12/20/2018	13	2,288	176
Tornado	12/20/2018	47	2,585	55
Tornado	12/20/2018	6	2,730	455
Tornado	12/20/2018	7	1,372	196
Tornado	12/20/2018	1	95	95
Tornado	12/20/2018	140	7,840	56
Tornado	12/20/2018	1	85	85
Tornado	12/20/2018	10	790	79
Tornado	12/20/2018	56	15,456	276
Tornado	12/20/2018	229	229	1
Tornado	12/20/2018	10	680	68
Tornado	12/20/2018	15	3,705	247
Tornado	12/20/2018	29	6,293	217
Tornado	12/20/2018	9	2,052	228
Tornado	12/20/2018	46	11,592	252
Tornado	12/20/2018	16	5,344	334
Tornado	12/20/2018	1	122	122
Tornado	12/20/2018	1	344	344
Tornado	12/20/2018	9	450	50
Tornado	12/20/2018	1	995	995
Tornado	12/20/2018	6	1,008	168
Tornado	12/20/2018	6	912	152
Tornado	12/20/2018	8	1,056	132
Tornado	12/20/2018	1,309	74,414	66
Tornado	12/20/2018	6	1,068	178
Tornado	12/20/2018	2	256	128
Tornado	12/20/2018	2	74	37
Tornado	12/20/2018	9	2,052	228
Tornado	12/20/2018	6	528	88
Tornado	12/20/2018	79	10,507	133
Tornado	12/20/2018	1,526	70,196	46
Tornado	12/20/2018	2	1,630	815
Tornado	12/20/2018	51	9,435	185
Tornado	12/20/2018	6	2,664	444
Tornado	12/20/2018	16	4,464	279
Tornado	12/20/2018	667	57,845	95
Tornado	12/20/2018	340	7,820	23
Tornado	12/20/2018	9	389	191
Tornado	12/20/2018	8	1,672	209
Tornado	12/20/2018	1	126	126
Tornado	12/20/2018	3	768	256
Tornado	12/20/2018	1	232	232
Tornado	12/20/2018	1	359	359
Tornado	12/20/2018	13	4,524	348
Tornado	12/20/2018	29	3,944	136
Tornado	12/20/2018	25	2,525	101
Tornado	12/20/2018	8	3,824	478
Tornado	12/20/2018	3	1,011	337

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	12/20/2018	1	184	184
Tornado	12/20/2018	2,433	165,444	68
Tornado	12/20/2018	13	3,276	252
Tornado	12/20/2018	1	163	163
Tornado	12/20/2018	1	261	261
Tornado	12/20/2018	3	267	89
Tornado	12/20/2018	50	6,850	137
Tornado	12/20/2018	4	572	143
Tornado	12/20/2018	6	2,586	431
Tornado	12/20/2018	14	1,848	132
Tornado	12/20/2018	1	100	100
Tornado	12/20/2018	1	125	125
Tornado	12/20/2018	32	7,904	247
Tornado	12/20/2018	1	174	174
Tornado	12/20/2018	79	10,896	305
Tornado	12/20/2018	84	4,788	57
Tornado	12/20/2018	19	2,280	120
Tornado	12/20/2018	5	420	84
Tornado	12/20/2018	3	168	56
Tornado	12/20/2018	9	441	49
Tornado	12/20/2018	30	8,790	293
Tornado	12/20/2018	1	192	192
Tornado	12/20/2018	39	8,580	220
Tornado	12/20/2018	4	48	12
Tornado	12/20/2018	1	356	356
Tornado	12/20/2018	7	819	117
Tornado	12/20/2018	1	283	283
Tornado	12/20/2018	1	226	226
Tornado	12/20/2018	1	418	418
Tornado	12/20/2018	22	1,650	75
Tornado	12/20/2018	27	1,458	54
Tornado	12/20/2018	1	61	61
Tornado	12/20/2018	984	6,888	7
Tornado	12/20/2018	32	7,520	235
Tornado	12/20/2018	25	10,043	435
Tornado	12/20/2018	1,859	50,507	43
Tornado	12/20/2018	1	517	517
Tornado	12/20/2018	29	4,988	647
Tornado	12/20/2018	24	6,240	260
Tornado	12/20/2018	21	6,825	325
Tornado	12/20/2018	40	2,280	57
Tornado	12/20/2018	36	7,740	215
Tornado	12/20/2018	11	5,522	502
Tornado	12/20/2018	1,526	41,202	27
Tornado	12/20/2018	9	3,231	359
Tornado	12/20/2018	40	9,400	235
Tornado	12/20/2018	65	4,810	74
Tornado	12/20/2018	7	3,164	452
Tornado	12/20/2018	1	175	175
Tornado	12/20/2018	15	4,872	329
Tornado	12/20/2018	7	3,374	482
Tornado	12/20/2018	37	8,436	228
Tornado	12/20/2018	18	1,728	96

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	12/20/2018	2	814	407
Tornado	12/20/2018	6	564	94
Tornado	12/20/2018	2	352	176
Tornado	12/20/2018	4	588	147
Tornado	12/20/2018	5	690	138
Tornado	12/20/2018	4	532	133
Tornado	12/20/2018	4	492	123
Tornado	12/20/2018	1,873	3,746	2
Tornado	12/20/2018	1	84	84
Tornado	12/20/2018	2	482	241
Tornado	12/20/2018	8	2,056	257
Tornado	12/20/2018	18	7,740	430
Tornado	12/20/2018	1	45	45
Tornado	12/20/2018	1	174	174
Tornado	12/20/2018	11	4,746	476
Tornado	12/20/2018	5	390	78
Tornado	12/20/2018	1	100	100
Tornado	12/20/2018	2	340	170
Tornado	12/20/2018	5	2,039	439
Tornado	12/20/2018	4	832	208
Tornado	12/20/2018	920	70,840	77
Tornado	12/20/2018	4	764	191
Tornado	12/20/2018	14	17,542	1,253
Tornado	12/20/2018	29	10,813	402
Tornado	12/20/2018	5	1,425	285
Tornado	12/20/2018	3	315	105
Tornado	12/20/2018	10	750	75
Tornado	12/20/2018	65	7,748	270
Tornado	12/20/2018	1	53	53
Tornado	12/20/2018	2,171	11,876	7
Tornado	12/20/2018	2	232	116
Tornado	12/20/2018	3	390	130
Tornado	12/20/2018	44	5,192	118
Tornado	12/20/2018	2	220	110
Tornado	12/20/2018	6	516	86
Tornado	12/20/2018	1	51	51
Tornado	12/20/2018	2	206	103
Tornado	12/20/2018	3	216	72
Tornado	12/20/2018	1	8	8
Tornado	12/20/2018	45	3,870	86
Tornado	12/20/2018	1	184	184
Tornado	12/20/2018	4	336	84
Tornado	12/20/2018	1	153	153
Tornado	12/20/2018	5	760	152
Tornado	12/20/2018	1	485	485
Tornado	12/20/2018	5	375	75
Tornado	12/20/2018	1	36	36
Tornado	12/20/2018	8	1,968	246
Tornado	12/20/2018	1	43	43
Tornado	12/20/2018	1	240	240
Tornado	12/20/2018	1	202	202
Tornado	12/20/2018	4	492	123
Tornado	12/20/2018	3	366	122

Q10 - Distribution Excluded Extreme Weather Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	12/20/2018	6	408	68
Tornado	12/20/2018	1	203	203
Tornado	12/20/2018	58	6,206	107
Tornado	12/20/2018	2	426	213
Tornado	12/20/2018	24	9,192	383
Tornado	12/20/2018	66	990	15
Tornado	12/20/2018	1	205	205
Tornado	12/20/2018	5	105	21
Tornado	12/20/2018	10	640	64
Tornado	12/20/2018	1	233	233
Tornado	12/20/2018	4	376	94
Tornado	12/20/2018	2	576	288
Tornado	12/20/2018	1	94	94
Tornado	12/20/2018	1	408	408
Tornado	12/20/2018	13	1,498	334
Tornado	12/20/2018	1	43	43
Tornado	12/20/2018	3	528	176
Tornado	12/20/2018	1	43	43
Tornado	12/20/2018	8	552	69
Tornado	12/20/2018	4	1,296	324
Tornado	12/20/2018	15	1,005	67
Tornado	12/20/2018	7	210	30
Tornado	12/20/2018	1	92	92
Tornado	12/20/2018	1	164	164
Tornado	12/20/2018	50	5,950	119
Tornado	12/20/2018	70	2,730	39
Tornado	12/20/2018	9	63	7
Tornado	12/20/2018	1	193	193
Tornado	12/20/2018	13	871	67
Tornado	12/20/2018	9	558	62
Tornado	12/20/2018	8	2,032	254
Tornado	12/20/2018	1	61	61
Tornado	12/20/2018	2	376	188
Tornado	12/20/2018	4	2,056	514
Tornado	12/20/2018	1	201	201
Tornado	12/20/2018	9	63	7
Tornado	12/20/2018	40	3,624	121
Tornado	12/20/2018	5	260	52
Tornado	12/20/2018	3	87	29
Tornado	12/20/2018	1	224	224
Tornado	12/20/2018	7	4,529	647
Tornado	12/20/2018	1	184	184
Tornado	12/20/2018	1	484	484
Tornado	12/20/2018	10	1,610	161

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/1/2018	4	600	150
PLANNED	1/1/2018	26	702	27
PLANNED	1/1/2018	2	48	24
CUSTOMER REQUEST	1/2/2018	6	678	113
PLANNED	1/2/2018	3	24	8
PLANNED	1/2/2018	1	262	262
PLANNED	1/2/2018	8	24	3
PLANNED	1/2/2018	7	70	10
PLANNED	1/2/2018	9	1,170	130
PLANNED	1/2/2018	2	156	78
PLANNED	1/2/2018	13	832	64
PLANNED	1/2/2018	5	15	3
PLANNED	1/2/2018	2	22	11
PLANNED	1/2/2018	8	600	75
PLANNED	1/2/2018	7	525	75
PLANNED	1/2/2018	7	252	36
PLANNED	1/2/2018	1	250	250
PLANNED	1/2/2018	2	326	163
PLANNED	1/2/2018	17	2,720	160
PLANNED	1/2/2018	9	855	95
PLANNED	1/2/2018	1	62	62
PLANNED	1/2/2018	1	52	52
PLANNED	1/2/2018	4	588	147
PLANNED	1/2/2018	5	620	124
PLANNED	1/2/2018	8	472	59
PLANNED	1/2/2018	3	189	63
PLANNED	1/2/2018	6	1,206	201
PLANNED	1/2/2018	12	564	47
PLANNED	1/2/2018	1	54	54
PLANNED	1/2/2018	12	1,248	104
PLANNED	1/2/2018	3	285	95
PLANNED	1/2/2018	8	624	78
PLANNED	1/2/2018	5	200	40
PLANNED	1/2/2018	2	18	9
PLANNED	1/2/2018	9	803	107
CUSTOMER REQUEST	1/2/2018	8	480	60
PLANNED	1/2/2018	4	204	51
PLANNED	1/2/2018	12	504	42
PLANNED	1/2/2018	8	216	27
PLANNED	1/2/2018	2	322	161
PLANNED	1/2/2018	17	1,275	75
PLANNED	1/2/2018	8	840	105
PLANNED	1/2/2018	26	1,690	65
PLANNED	1/2/2018	3	243	81
PLANNED	1/2/2018	4	788	197
PLANNED	1/2/2018	1	76	76
PLANNED	1/2/2018	2	136	68
PLANNED	1/2/2018	3	343	138
PLANNED	1/2/2018	12	384	32
PLANNED	1/2/2018	31	6,386	206
PLANNED	1/2/2018	4	432	108

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/2/2018	5	375	75
PLANNED	1/2/2018	16	1,456	91
PLANNED	1/2/2018	12	84	7
PLANNED	1/2/2018	8	296	37
PLANNED	1/2/2018	7	182	26
PLANNED	1/2/2018	20	1,900	95
PLANNED	1/2/2018	8	112	14
PLANNED	1/2/2018	1	38	38
PLANNED	1/2/2018	4	444	111
PLANNED	1/2/2018	8	224	28
CUSTOMER REQUEST	1/2/2018	1	161	161
PLANNED	1/2/2018	5	20	4
PLANNED	1/3/2018	1	219	219
Ice on Lines	1/3/2018	1	111	111
PLANNED	1/3/2018	11	1,639	149
Ice on Lines	1/3/2018	1	75	75
Ice on Lines	1/3/2018	2	138	69
PLANNED	1/3/2018	6	384	64
PLANNED	1/3/2018	1	821	821
PLANNED	1/3/2018	3	303	101
PLANNED	1/3/2018	16	1,520	95
PLANNED	1/3/2018	3	159	53
Ice on Lines	1/3/2018	2	64	32
Ice on Lines	1/3/2018	3	120	40
PLANNED	1/3/2018	1	422	422
Ice on Lines	1/3/2018	5	555	111
Ice on Lines	1/3/2018	3	426	142
Ice on Lines	1/3/2018	1	112	112
Ice on Lines	1/3/2018	12	672	56
Ice on Lines	1/3/2018	3	324	108
PLANNED	1/3/2018	5	180	36
Ice on Lines	1/3/2018	4	1,148	287
Ice on Lines	1/3/2018	1	20	20
Ice on Lines	1/3/2018	74	12,506	169
Ice on Lines	1/3/2018	10	450	45
PLANNED	1/3/2018	15	1,095	73
PLANNED	1/3/2018	19	76	4
Ice on Lines	1/3/2018	3	42	14
PLANNED	1/3/2018	7	644	92
Ice on Lines	1/3/2018	7	616	88
Ice on Lines	1/3/2018	11	187	17
PLANNED	1/3/2018	4	264	66
PLANNED	1/3/2018	8	256	32
Ice on Lines	1/3/2018	29	1,073	37
Ice on Lines	1/3/2018	8	264	33
Ice on Lines	1/3/2018	1	39	39
CUSTOMER REQUEST	1/3/2018	5	1,915	383
PLANNED	1/3/2018	15	1,680	112
Ice on Lines	1/3/2018	3	579	193
Ice on Lines	1/3/2018	6	126	21
Ice on Lines	1/3/2018	8	1,264	158

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/3/2018	9	1,062	118
Ice on Lines	1/3/2018	1	379	379
Ice on Lines	1/3/2018	35	6,125	175
Ice on Lines	1/3/2018	1	173	173
Ice on Lines	1/3/2018	12	1,632	136
Ice on Lines	1/3/2018	4	36	9
Ice on Lines	1/3/2018	8	984	123
PLANNED	1/3/2018	16	624	39
Ice on Lines	1/3/2018	6	1,314	219
Ice on Lines	1/3/2018	4	44	11
PLANNED	1/3/2018	4	276	69
Ice on Lines	1/3/2018	7	357	51
PLANNED	1/3/2018	19	646	34
PLANNED	1/3/2018	6	78	13
Ice on Lines	1/3/2018	1	10	10
Ice on Lines	1/3/2018	1	12	12
PLANNED	1/3/2018	18	666	37
Ice on Lines	1/3/2018	84	12,180	145
Ice on Lines	1/3/2018	11	1,375	125
PLANNED	1/3/2018	16	784	49
PLANNED	1/3/2018	5	310	62
Ice on Lines	1/3/2018	6	294	49
Ice on Lines	1/3/2018	6	96	16
Ice on Lines	1/3/2018	8	264	33
Ice on Lines	1/3/2018	8	616	77
Ice on Lines	1/3/2018	4	48	12
Ice on Lines	1/3/2018	2,848	65,504	23
Ice on Lines	1/3/2018	3	75	25
Ice on Lines	1/3/2018	1	82	82
Ice on Lines	1/3/2018	2	178	89
Ice on Lines	1/3/2018	6	348	58
Ice on Lines	1/3/2018	5	285	57
Ice on Lines	1/4/2018	1	98	98
Ice on Lines	1/4/2018	1	229	229
Ice on Lines	1/4/2018	4	656	164
Ice on Lines	1/4/2018	1	133	133
Ice on Lines	1/4/2018	1	132	132
Ice on Lines	1/4/2018	6	870	145
Ice on Lines	1/4/2018	6	210	35
Ice on Lines	1/4/2018	1	335	335
Ice on Lines	1/4/2018	1	43	43
Ice on Lines	1/4/2018	5	625	125
Ice on Lines	1/4/2018	28	2,072	74
Ice on Lines	1/4/2018	4	500	125
Ice on Lines	1/4/2018	7	875	125
Ice on Lines	1/4/2018	5	665	133
Ice on Lines	1/4/2018	11	616	56
Ice on Lines	1/4/2018	6	108	18
Ice on Lines	1/4/2018	12	3,048	254
Ice on Lines	1/4/2018	4	160	40
Ice on Lines	1/4/2018	9	855	95

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/4/2018	2	252	126
Ice on Lines	1/4/2018	4	464	116
Ice on Lines	1/4/2018	2	156	78
Ice on Lines	1/4/2018	20	2,820	141
Ice on Lines	1/4/2018	55	2,806	52
Ice on Lines	1/4/2018	15	1,290	86
Ice on Lines	1/4/2018	6	120	20
Ice on Lines	1/4/2018	17	1,989	117
Ice on Lines	1/4/2018	10	530	53
Ice on Lines	1/4/2018	11	924	84
Ice on Lines	1/4/2018	4	480	120
Ice on Lines	1/4/2018	8	144	18
Ice on Lines	1/4/2018	9	378	42
Ice on Lines	1/4/2018	1	21	21
Ice on Lines	1/4/2018	1	345	345
Ice on Lines	1/4/2018	18	1,710	95
Ice on Lines	1/4/2018	12	1,116	93
Ice on Lines	1/4/2018	21	3,213	153
Ice on Lines	1/4/2018	21	3,213	153
Ice on Lines	1/4/2018	10	1,370	137
Ice on Lines	1/4/2018	1	191	191
Ice on Lines	1/4/2018	4	112	28
Ice on Lines	1/4/2018	1	283	283
Ice on Lines	1/4/2018	5	180	36
Ice on Lines	1/4/2018	1	194	194
Ice on Lines	1/4/2018	2	38	19
Ice on Lines	1/4/2018	4	80	20
Ice on Lines	1/4/2018	2	340	170
Ice on Lines	1/4/2018	16	1,728	108
Ice on Lines	1/4/2018	2	142	71
Ice on Lines	1/4/2018	6	252	42
Ice on Lines	1/4/2018	1	43	43
Ice on Lines	1/4/2018	2	114	57
Ice on Lines	1/4/2018	3	423	141
Ice on Lines	1/4/2018	6	90	15
Ice on Lines	1/4/2018	11	2,321	211
Ice on Lines	1/4/2018	16	1,520	95
Ice on Lines	1/4/2018	3	513	171
Ice on Lines	1/4/2018	1	114	114
Ice on Lines	1/4/2018	1	11	11
Ice on Lines	1/4/2018	20	1,140	57
Ice on Lines	1/4/2018	9	1,098	122
Ice on Lines	1/4/2018	4	380	95
Ice on Lines	1/4/2018	3	579	193
Ice on Lines	1/4/2018	1	208	208
Ice on Lines	1/4/2018	16	2,464	154
Ice on Lines	1/4/2018	6	918	153
Ice on Lines	1/4/2018	3	312	104
Ice on Lines	1/4/2018	8	192	24
Ice on Lines	1/4/2018	3	54	18
Ice on Lines	1/4/2018	16	320	20

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
Ice on Lines	1/4/2018	8	288	36
Ice on Lines	1/4/2018	1	29	29
Ice on Lines	1/4/2018	10	440	44
Ice on Lines	1/4/2018	13	702	54
Ice on Lines	1/4/2018	1	83	83
Ice on Lines	1/4/2018	55	2,915	53
Ice on Lines	1/4/2018	2	76	38
PLANNED	1/5/2018	1	122	122
PLANNED	1/5/2018	1	315	315
PLANNED	1/5/2018	11	1,628	148
PLANNED	1/5/2018	11	1,496	136
PLANNED	1/5/2018	11	1,034	94
PLANNED	1/5/2018	27	3,240	120
PLANNED	1/5/2018	24	2,736	114
PLANNED	1/5/2018	3	183	61
PLANNED	1/5/2018	3	147	49
PLANNED	1/5/2018	16	1,040	64
PLANNED	1/5/2018	11	1,386	126
PLANNED	1/5/2018	9	18	2
PLANNED	1/5/2018	1	201	201
PLANNED	1/5/2018	1	181	181
PLANNED	1/5/2018	1	164	164
CUSTOMER REQUEST	1/5/2018	14	84	6
PLANNED	1/5/2018	7	266	38
PLANNED	1/5/2018	6	546	91
PLANNED	1/5/2018	7	266	38
PLANNED	1/5/2018	8	304	38
PLANNED	1/5/2018	2	340	170
PLANNED	1/5/2018	1	270	270
PLANNED	1/5/2018	3	636	212
PLANNED	1/5/2018	20	3,020	151
PLANNED	1/5/2018	8	16	2
PLANNED	1/5/2018	21	3,129	149
CUSTOMER REQUEST	1/5/2018	7	42	6
PLANNED	1/5/2018	1	72	72
CUSTOMER REQUEST	1/5/2018	5	905	181
PLANNED	1/5/2018	5	790	158
CUSTOMER REQUEST	1/5/2018	1	156	156
PLANNED	1/5/2018	2	338	169
CUSTOMER REQUEST	1/5/2018	12	84	7
PLANNED	1/5/2018	8	1,184	148
PLANNED	1/5/2018	8	1,176	147
PLANNED	1/5/2018	5	450	90
PLANNED	1/5/2018	3	57	19
CUSTOMER REQUEST	1/5/2018	12	60	5
PLANNED	1/5/2018	12	3,504	292
PLANNED	1/5/2018	8	416	52
PLANNED	1/5/2018	2	250	125
PLANNED	1/5/2018	4	924	231
PLANNED	1/5/2018	4	220	55
PLANNED	1/5/2018	1	139	139

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/5/2018	16	912	57
PLANNED	1/5/2018	10	820	82
PLANNED	1/5/2018	7	574	82
PLANNED	1/5/2018	1	42	42
PLANNED	1/5/2018	1	281	281
PLANNED	1/5/2018	1	270	270
PLANNED	1/5/2018	3	426	142
PLANNED	1/5/2018	8	448	56
PLANNED	1/5/2018	9	387	43
PLANNED	1/5/2018	1	39	39
PLANNED	1/5/2018	19	323	17
PLANNED	1/5/2018	10	1,000	100
PLANNED	1/5/2018	9	333	37
PLANNED	1/5/2018	1	176	176
PLANNED	1/5/2018	2	222	111
PLANNED	1/5/2018	19	266	14
PLANNED	1/5/2018	18	1,314	73
PLANNED	1/5/2018	3	408	136
PLANNED	1/5/2018	3	282	94
PLANNED	1/5/2018	2	24	12
CUSTOMER REQUEST	1/5/2018	9	63	7
PLANNED	1/5/2018	20	720	36
CUSTOMER REQUEST	1/5/2018	4	324	81
PLANNED	1/5/2018	9	963	107
PLANNED	1/5/2018	10	950	95
PLANNED	1/5/2018	25	2,400	96
PLANNED	1/5/2018	1	55	55
PLANNED	1/5/2018	2	270	135
PLANNED	1/5/2018	4	24	6
PLANNED	1/5/2018	15	600	40
PLANNED	1/5/2018	5	140	28
PLANNED	1/5/2018	7	630	90
PLANNED	1/5/2018	1	82	82
PLANNED	1/5/2018	5	55	11
CUSTOMER REQUEST	1/5/2018	1	119	119
CUSTOMER REQUEST	1/5/2018	1	26	26
PLANNED	1/6/2018	4	1,504	376
PLANNED	1/6/2018	1	255	255
CUSTOMER REQUEST	1/6/2018	1,503	45,090	30
PLANNED	1/6/2018	1	275	275
PLANNED	1/6/2018	4	1,684	421
PLANNED	1/6/2018	9	1,233	137
PLANNED	1/6/2018	1	43	43
PLANNED	1/6/2018	5	645	129
PLANNED	1/6/2018	5	45	9
PLANNED	1/6/2018	4	452	113
PLANNED	1/6/2018	4	1,340	335
PLANNED	1/6/2018	2	270	135
PLANNED	1/6/2018	4	80	20
PLANNED	1/6/2018	21	903	43
CUSTOMER REQUEST	1/6/2018	1	245	245

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/6/2018	2	606	303
CUSTOMER REQUEST	1/6/2018	4	156	39
PLANNED	1/6/2018	12	132	11
PLANNED	1/6/2018	8	40	5
PLANNED	1/7/2018	2	428	214
PLANNED	1/7/2018	1	146	146
PLANNED	1/7/2018	1	196	196
PLANNED	1/7/2018	1	206	206
CUSTOMER REQUEST	1/7/2018	6	570	95
PLANNED	1/7/2018	14	266	19
PLANNED	1/7/2018	3	869	295
PLANNED	1/7/2018	5	55	11
PLANNED	1/7/2018	1	30	30
PLANNED	1/7/2018	1	198	198
PLANNED	1/7/2018	4	616	154
PLANNED	1/7/2018	2	394	197
PLANNED	1/7/2018	3	72	24
PLANNED	1/7/2018	9	1,773	197
PLANNED	1/7/2018	14	238	17
PLANNED	1/7/2018	3	225	75
PLANNED	1/7/2018	6	192	32
PLANNED	1/7/2018	5	820	164
PLANNED	1/7/2018	1	117	117
CUSTOMER REQUEST	1/7/2018	2	42	21
PLANNED	1/8/2018	2	132	66
PLANNED	1/8/2018	2	40	20
PLANNED	1/8/2018	1	301	301
PLANNED	1/8/2018	1	254	254
PLANNED	1/8/2018	6	1,104	184
PLANNED	1/8/2018	3	309	103
CUSTOMER REQUEST	1/8/2018	174	1,104	466
PLANNED	1/8/2018	8	1,072	134
PLANNED	1/8/2018	4	704	176
PLANNED	1/8/2018	8	448	56
PLANNED	1/8/2018	9	333	69
PLANNED	1/8/2018	6	90	15
CUSTOMER REQUEST	1/8/2018	10	1,140	114
PLANNED	1/8/2018	4	528	132
PLANNED	1/8/2018	29	7,888	272
PLANNED	1/8/2018	1	66	66
PLANNED	1/8/2018	44	4,004	91
PLANNED	1/8/2018	10	2,286	276
PLANNED	1/8/2018	6	84	14
CUSTOMER REQUEST	1/8/2018	1	261	261
PLANNED	1/8/2018	4	1,168	292
PLANNED	1/8/2018	2	248	124
PLANNED	1/8/2018	3	192	64
PLANNED	1/8/2018	3	246	82
PLANNED	1/8/2018	3	360	120
PLANNED	1/8/2018	6	876	146
PLANNED	1/8/2018	2	84	42

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/8/2018	1	28	28
PLANNED	1/8/2018	16	1,728	108
PLANNED	1/8/2018	3	156	52
PLANNED	1/8/2018	15	1,875	125
PLANNED	1/8/2018	11	715	65
PLANNED	1/8/2018	1	158	158
PLANNED	1/8/2018	2	152	76
PLANNED	1/8/2018	2	158	79
PLANNED	1/8/2018	2	248	124
PLANNED	1/8/2018	7	462	66
PLANNED	1/8/2018	4	76	19
CUSTOMER REQUEST	1/8/2018	5	215	43
PLANNED	1/8/2018	2	64	32
PLANNED	1/8/2018	8	280	35
PLANNED	1/8/2018	6	78	13
PLANNED	1/8/2018	9	1,710	190
PLANNED	1/8/2018	7	728	104
PLANNED	1/8/2018	7	728	104
PLANNED	1/8/2018	9	81	9
PLANNED	1/8/2018	6	210	35
PLANNED	1/8/2018	1	141	141
PLANNED	1/8/2018	1	138	138
PLANNED	1/8/2018	2	670	335
PLANNED	1/8/2018	7	266	38
PLANNED	1/8/2018	1	89	89
PLANNED	1/8/2018	1	38	38
PLANNED	1/8/2018	5	60	12
PLANNED	1/8/2018	5	800	160
PLANNED	1/8/2018	3	177	59
PLANNED	1/8/2018	23	3,381	147
PLANNED	1/8/2018	7	2,100	300
PLANNED	1/8/2018	13	1,144	88
PLANNED	1/8/2018	12	1,056	88
PLANNED	1/8/2018	36	9,756	271
PLANNED	1/8/2018	1	218	218
PLANNED	1/8/2018	40	4,280	107
PLANNED	1/8/2018	16	432	27
PLANNED	1/8/2018	7	308	44
PLANNED	1/8/2018	4	756	189
PLANNED	1/8/2018	12	348	29
PLANNED	1/8/2018	4	91	58
PLANNED	1/8/2018	8	544	68
PLANNED	1/8/2018	13	884	68
PLANNED	1/8/2018	9	1,557	173
PLANNED	1/8/2018	3	450	150
PLANNED	1/8/2018	5	310	62
PLANNED	1/8/2018	9	486	54
PLANNED	1/8/2018	12	828	69
PLANNED	1/8/2018	7	959	137
CUSTOMER REQUEST	1/8/2018	1	247	247
PLANNED	1/8/2018	14	280	20

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/8/2018	7	658	94
CUSTOMER REQUEST	1/8/2018	1	116	116
PLANNED	1/8/2018	2	204	102
PLANNED	1/8/2018	4	388	97
PLANNED	1/8/2018	7	637	91
PLANNED	1/8/2018	9	387	43
PLANNED	1/8/2018	11	539	49
PLANNED	1/8/2018	3	396	132
PLANNED	1/8/2018	2	142	71
PLANNED	1/8/2018	8	776	97
PLANNED	1/8/2018	3	471	157
PLANNED	1/8/2018	2	52	26
PLANNED	1/8/2018	8	344	43
PLANNED	1/8/2018	1	42	42
PLANNED	1/8/2018	4	276	69
PLANNED	1/8/2018	5	230	46
PLANNED	1/8/2018	5	125	25
PLANNED	1/8/2018	2	62	31
PLANNED	1/8/2018	3	96	32
CUSTOMER REQUEST	1/8/2018	1	76	76
PLANNED	1/8/2018	2	34	17
PLANNED	1/8/2018	1	41	41
PLANNED	1/8/2018	2	246	123
PLANNED	1/8/2018	10	360	36
PLANNED	1/8/2018	11	429	39
PLANNED	1/8/2018	20	2,600	130
CUSTOMER REQUEST	1/9/2018	1	98	98
PLANNED	1/9/2018	2	24	12
PLANNED	1/9/2018	11	836	76
PLANNED	1/9/2018	9	1,386	154
PLANNED	1/9/2018	4	652	163
PLANNED	1/9/2018	1	48	48
PLANNED	1/9/2018	9	987	185
PLANNED	1/9/2018	4	436	109
CUSTOMER REQUEST	1/9/2018	1	286	286
PLANNED	1/9/2018	3	954	318
PLANNED	1/9/2018	3	393	131
CUSTOMER REQUEST	1/9/2018	1	235	235
PLANNED	1/9/2018	3	234	78
PLANNED	1/9/2018	4	464	116
PLANNED	1/9/2018	13	4,628	356
PLANNED	1/9/2018	1	133	133
PLANNED	1/9/2018	10	40	4
PLANNED	1/9/2018	11	77	7
PLANNED	1/9/2018	1	119	119
PLANNED	1/9/2018	8	896	112
PLANNED	1/9/2018	3	741	247
PLANNED	1/9/2018	3	285	95
PLANNED	1/9/2018	3	165	55
PLANNED	1/9/2018	3	231	77
PLANNED	1/9/2018	5	325	65

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/9/2018	2	76	38
PLANNED	1/9/2018	8	112	14
CUSTOMER REQUEST	1/9/2018	26	6,136	236
CUSTOMER REQUEST	1/9/2018	1	720	720
PLANNED	1/9/2018	2	308	154
PLANNED	1/9/2018	22	4,708	214
PLANNED	1/9/2018	12	180	15
PLANNED	1/9/2018	6	366	61
PLANNED	1/9/2018	16	896	56
PLANNED	1/9/2018	1	16	16
PLANNED	1/9/2018	1	78	78
CUSTOMER REQUEST	1/9/2018	7	686	98
PLANNED	1/9/2018	9	1,368	152
PLANNED	1/9/2018	2	560	280
PLANNED	1/9/2018	8	840	105
PLANNED	1/9/2018	7	672	96
PLANNED	1/9/2018	5	775	155
CUSTOMER REQUEST	1/9/2018	8	72	9
PLANNED	1/9/2018	67	6,030	90
PLANNED	1/9/2018	12	2,832	236
PLANNED	1/9/2018	2	262	131
CUSTOMER REQUEST	1/9/2018	1	252	252
PLANNED	1/9/2018	6	1,608	268
PLANNED	1/9/2018	11	605	55
PLANNED	1/9/2018	9	180	20
PLANNED	1/9/2018	2	792	396
PLANNED	1/9/2018	8	1,904	238
PLANNED	1/9/2018	7	721	103
PLANNED	1/9/2018	6	180	30
PLANNED	1/9/2018	2	90	45
PLANNED	1/9/2018	4	184	46
PLANNED	1/9/2018	48	5,088	106
PLANNED	1/9/2018	8	1,360	170
PLANNED	1/9/2018	8	1,072	134
PLANNED	1/9/2018	9	549	61
PLANNED	1/9/2018	49	5,194	106
CUSTOMER REQUEST	1/9/2018	12	444	37
PLANNED	1/9/2018	7	938	134
PLANNED	1/9/2018	6	96	16
PLANNED	1/9/2018	32	4,960	155
PLANNED	1/9/2018	4	96	24
PLANNED	1/9/2018	10	400	40
PLANNED	1/9/2018	8	1,344	168
PLANNED	1/9/2018	2	48	24
PLANNED	1/9/2018	8	976	122
PLANNED	1/9/2018	1	122	122
PLANNED	1/9/2018	13	1,339	103
PLANNED	1/9/2018	1	59	59
PLANNED	1/9/2018	7	784	112
PLANNED	1/9/2018	1	115	115
PLANNED	1/9/2018	34	2,090	79

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/9/2018	2	82	41
PLANNED	1/9/2018	15	795	53
PLANNED	1/9/2018	6	300	50
PLANNED	1/9/2018	3	189	63
PLANNED	1/9/2018	3	333	111
PLANNED	1/9/2018	33	3,894	118
PLANNED	1/9/2018	3	105	35
PLANNED	1/9/2018	85	765	9
PLANNED	1/9/2018	16	1,264	79
PLANNED	1/9/2018	1	155	155
PLANNED	1/9/2018	4	328	82
PLANNED	1/9/2018	8	216	27
PLANNED	1/9/2018	8	536	67
PLANNED	1/9/2018	1	76	76
PLANNED	1/9/2018	43	6,407	149
PLANNED	1/9/2018	1	75	75
PLANNED	1/9/2018	8	408	51
CUSTOMER REQUEST	1/9/2018	12	384	32
PLANNED	1/9/2018	7	301	43
PLANNED	1/9/2018	1	102	102
PLANNED	1/9/2018	2	258	129
PLANNED	1/9/2018	6	48	8
PLANNED	1/9/2018	3	51	17
PLANNED	1/9/2018	16	992	62
PLANNED	1/9/2018	3	99	33
PLANNED	1/9/2018	1	83	83
PLANNED	1/9/2018	7	189	27
PLANNED	1/9/2018	12	504	42
PLANNED	1/9/2018	10	180	18
PLANNED	1/9/2018	9	1,404	156
PLANNED	1/9/2018	6	936	156
PLANNED	1/9/2018	2	480	240
PLANNED	1/9/2018	1	241	241
PLANNED	1/10/2018	9	2,115	235
CUSTOMER REQUEST	1/10/2018	1	7	7
PLANNED	1/10/2018	1	46	46
CUSTOMER REQUEST	1/10/2018	1	237	237
PLANNED	1/10/2018	10	1,260	126
PLANNED	1/10/2018	10	1,330	133
PLANNED	1/10/2018	6	576	96
PLANNED	1/10/2018	43	4,558	106
PLANNED	1/10/2018	7	1,260	180
PLANNED	1/10/2018	46	5,198	113
PLANNED	1/10/2018	4	872	218
PLANNED	1/10/2018	19	1,387	73
PLANNED	1/10/2018	3	132	44
PLANNED	1/10/2018	3	78	26
PLANNED	1/10/2018	5	80	16
PLANNED	1/10/2018	1	68	68
PLANNED	1/10/2018	31	2,170	70
PLANNED	1/10/2018	7	294	42

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	1/10/2018	6	24	4
CUSTOMER REQUEST	1/10/2018	18	6,156	342
PLANNED	1/10/2018	12	2,568	214
PLANNED	1/10/2018	2	336	168
PLANNED	1/10/2018	1	225	225
PLANNED	1/10/2018	3	666	222
PLANNED	1/10/2018	7	1,316	188
PLANNED	1/10/2018	93	2,604	28
PLANNED	1/10/2018	7	1,106	158
PLANNED	1/10/2018	13	169	13
PLANNED	1/10/2018	6	30	5
PLANNED	1/10/2018	2	322	161
PLANNED	1/10/2018	1	296	296
PLANNED	1/10/2018	3	192	64
PLANNED	1/10/2018	5	315	63
PLANNED	1/10/2018	9	1,404	156
PLANNED	1/10/2018	8	560	70
PLANNED	1/10/2018	5	760	152
PLANNED	1/10/2018	12	756	63
PLANNED	1/10/2018	12	2,544	212
PLANNED	1/10/2018	4	124	31
PLANNED	1/10/2018	4	256	64
PLANNED	1/10/2018	1	88	88
PLANNED	1/10/2018	8	1,544	193
PLANNED	1/10/2018	9	180	20
PLANNED	1/10/2018	5	570	114
PLANNED	1/10/2018	5	1,010	202
PLANNED	1/10/2018	2	472	236
PLANNED	1/10/2018	2	100	50
PLANNED	1/10/2018	7	903	129
PLANNED	1/10/2018	15	1,095	73
PLANNED	1/10/2018	6	1,518	253
PLANNED	1/10/2018	3	249	83
PLANNED	1/10/2018	2	2	1
PLANNED	1/10/2018	25	4,450	178
PLANNED	1/10/2018	4	796	199
PLANNED	1/10/2018	8	320	40
PLANNED	1/10/2018	12	84	7
PLANNED	1/10/2018	4	360	90
PLANNED	1/10/2018	12	864	72
PLANNED	1/10/2018	6	438	73
PLANNED	1/10/2018	7	504	72
PLANNED	1/10/2018	1	36	36
PLANNED	1/10/2018	6	510	85
PLANNED	1/10/2018	1	61	61
PLANNED	1/10/2018	1	176	176
PLANNED	1/10/2018	2	224	112
PLANNED	1/10/2018	5	345	69
PLANNED	1/10/2018	3	204	68
PLANNED	1/10/2018	33	1,716	52
PLANNED	1/10/2018	1	23	23

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/10/2018	3	240	80
PLANNED	1/10/2018	2	150	75
PLANNED	1/10/2018	2	260	130
PLANNED	1/10/2018	2	40	20
PLANNED	1/10/2018	2	306	153
PLANNED	1/10/2018	15	6,285	419
PLANNED	1/10/2018	19	4,066	214
CUSTOMER REQUEST	1/10/2018	16	720	45
PLANNED	1/10/2018	2	34	17
PLANNED	1/10/2018	4	648	162
PLANNED	1/10/2018	24	1,296	54
PLANNED	1/10/2018	1	52	52
PLANNED	1/10/2018	34	1,768	52
PLANNED	1/10/2018	8	456	57
PLANNED	1/10/2018	2	104	52
PLANNED	1/10/2018	2	198	99
PLANNED	1/10/2018	14	448	32
PLANNED	1/10/2018	2	26	13
PLANNED	1/10/2018	1	18	18
CUSTOMER REQUEST	1/10/2018	4	148	37
PLANNED	1/10/2018	1	88	88
PLANNED	1/10/2018	15	3,525	235
PLANNED	1/10/2018	5	230	46
PLANNED	1/10/2018	1	33	33
PLANNED	1/10/2018	1	118	119
PLANNED	1/10/2018	4	588	147
PLANNED	1/10/2018	4	564	141
PLANNED	1/10/2018	1	43	43
PLANNED	1/10/2018	11	1,419	129
CUSTOMER REQUEST	1/10/2018	1	207	207
PLANNED	1/10/2018	1	190	190
PLANNED	1/10/2018	1	45	45
CUSTOMER REQUEST	1/10/2018	6	48	8
PLANNED	1/10/2018	2	374	187
CUSTOMER REQUEST	1/10/2018	7	35	5
PLANNED	1/10/2018	6	1,386	231
CUSTOMER REQUEST	1/10/2018	5	175	35
PLANNED	1/10/2018	5	315	63
PLANNED	1/10/2018	3	102	34
PLANNED	1/10/2018	2	80	40
PLANNED	1/10/2018	12	744	62
PLANNED	1/10/2018	10	710	71
PLANNED	1/10/2018	7	224	32
PLANNED	1/10/2018	18	1,332	74
PLANNED	1/10/2018	10	1,100	110
PLANNED	1/10/2018	3	126	42
PLANNED	1/10/2018	1	235	235
CUSTOMER REQUEST	1/10/2018	1	148	148
PLANNED	1/10/2018	12	408	34
PLANNED	1/10/2018	6	240	40
PLANNED	1/10/2018	16	2,480	155

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/10/2018	2	538	269
PLANNED	1/10/2018	1	25	25
PLANNED	1/10/2018	1	124	124
PLANNED	1/11/2018	1	55	55
PLANNED	1/11/2018	20	1,600	80
PLANNED	1/11/2018	2	386	193
PLANNED	1/11/2018	3	348	116
PLANNED	1/11/2018	5	840	168
PLANNED	1/11/2018	1	113	113
PLANNED	1/11/2018	2	1,548	774
PLANNED	1/11/2018	8	440	55
PLANNED	1/11/2018	3	984	328
PLANNED	1/11/2018	25	6,025	241
PLANNED	1/11/2018	1	149	149
PLANNED	1/11/2018	4	152	38
PLANNED	1/11/2018	2	268	134
PLANNED	1/11/2018	2	412	206
PLANNED	1/11/2018	6	114	19
PLANNED	1/11/2018	8	1,296	162
PLANNED	1/11/2018	2	350	175
PLANNED	1/11/2018	1	270	270
PLANNED	1/11/2018	10	980	98
PLANNED	1/11/2018	13	1,625	125
PLANNED	1/11/2018	1	151	151
PLANNED	1/11/2018	6	798	133
PLANNED	1/11/2018	4	400	100
CUSTOMER REQUEST	1/11/2018	19	7,030	370
PLANNED	1/11/2018	12	2,292	191
PLANNED	1/11/2018	5	45	9
PLANNED	1/11/2018	4	188	47
PLANNED	1/11/2018	20	440	22
PLANNED	1/11/2018	1	177	177
PLANNED	1/11/2018	6	276	46
PLANNED	1/11/2018	71	7,668	108
PLANNED	1/11/2018	1	67	67
PLANNED	1/11/2018	1	115	115
PLANNED	1/11/2018	26	5,590	215
PLANNED	1/11/2018	8	424	53
PLANNED	1/11/2018	7	1,316	188
PLANNED	1/11/2018	6	984	164
PLANNED	1/11/2018	4	588	147
PLANNED	1/11/2018	4	676	169
PLANNED	1/11/2018	4	388	97
PLANNED	1/11/2018	8	1,496	187
PLANNED	1/11/2018	1	145	145
PLANNED	1/11/2018	2	196	98
PLANNED	1/11/2018	5	115	23
PLANNED	1/11/2018	2	138	69
PLANNED	1/11/2018	5	30	6
PLANNED	1/11/2018	8	544	68
PLANNED	1/11/2018	1	125	125

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/11/2018	8	544	68
PLANNED	1/11/2018	8	1,360	170
PLANNED	1/11/2018	3	294	98
PLANNED	1/11/2018	1	282	282
CUSTOMER REQUEST	1/11/2018	8	168	21
PLANNED	1/11/2018	40	4,400	110
PLANNED	1/11/2018	1	126	126
PLANNED	1/11/2018	1	253	253
PLANNED	1/11/2018	6	240	40
PLANNED	1/11/2018	3	69	23
PLANNED	1/11/2018	7	553	79
PLANNED	1/11/2018	1	54	54
PLANNED	1/11/2018	1	45	45
PLANNED	1/11/2018	11	847	77
PLANNED	1/11/2018	11	154	14
PLANNED	1/11/2018	8	1,208	151
PLANNED	1/11/2018	3	138	46
PLANNED	1/11/2018	9	549	61
PLANNED	1/11/2018	7	1,344	192
PLANNED	1/11/2018	4	696	174
PLANNED	1/11/2018	2	206	103
PLANNED	1/11/2018	3	75	25
CUSTOMER REQUEST	1/11/2018	5	85	17
PLANNED	1/11/2018	3	78	26
PLANNED	1/11/2018	1	34	34
PLANNED	1/11/2018	6	1,110	185
PLANNED	1/11/2018	1	62	62
PLANNED	1/11/2018	8	32	4
PLANNED	1/11/2018	4	344	86
PLANNED	1/11/2018	4	432	108
PLANNED	1/11/2018	3	586	278
PLANNED	1/11/2018	20	460	23
PLANNED	1/11/2018	12	216	18
PLANNED	1/11/2018	13	2,873	221
PLANNED	1/11/2018	3	39	13
PLANNED	1/11/2018	1	14	14
PLANNED	1/11/2018	3	378	126
PLANNED	1/11/2018	1	14	14
PLANNED	1/11/2018	7	98	14
PLANNED	1/11/2018	7	147	21
PLANNED	1/11/2018	7	91	13
PLANNED	1/11/2018	1	11	11
PLANNED	1/11/2018	7	1,309	187
PLANNED	1/11/2018	5	190	38
PLANNED	1/11/2018	6	720	120
PLANNED	1/11/2018	9	441	49
PLANNED	1/11/2018	8	768	96
PLANNED	1/11/2018	7	665	95
PLANNED	1/11/2018	6	564	94
PLANNED	1/11/2018	1	19	19
PLANNED	1/11/2018	3	36	12

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/11/2018	1	27	27
PLANNED	1/11/2018	1	19	19
PLANNED	1/11/2018	10	1,230	123
PLANNED	1/11/2018	2	116	58
PLANNED	1/11/2018	1	38	38
PLANNED	1/11/2018	5	330	66
PLANNED	1/11/2018	1	93	93
PLANNED	1/11/2018	1	64	64
PLANNED	1/11/2018	5	335	67
PLANNED	1/11/2018	8	272	34
PLANNED	1/11/2018	9	54	6
PLANNED	1/11/2018	7	532	76
PLANNED	1/11/2018	1	158	158
PLANNED	1/11/2018	9	3,978	442
PLANNED	1/11/2018	1	75	75
CUSTOMER REQUEST	1/11/2018	1	318	318
PLANNED	1/11/2018	1	42	42
PLANNED	1/11/2018	2	370	185
PLANNED	1/11/2018	1	96	96
PLANNED	1/11/2018	1	97	97
PLANNED	1/11/2018	3	261	87
PLANNED	1/12/2018	1	71	71
PLANNED	1/12/2018	2	134	67
PLANNED	1/12/2018	1	157	157
PLANNED	1/12/2018	1	52	52
PLANNED	1/12/2018	1	121	121
PLANNED	1/12/2018	33	2,013	61
PLANNED	1/12/2018	1	97	97
PLANNED	1/12/2018	15	1,335	89
PLANNED	1/12/2018	4	88	22
PLANNED	1/12/2018	4	692	173
PLANNED	1/12/2018	3	702	234
PLANNED	1/12/2018	3	441	147
PLANNED	1/12/2018	23	1,403	61
PLANNED	1/12/2018	12	276	23
PLANNED	1/12/2018	5	940	188
PLANNED	1/12/2018	14	1,246	89
PLANNED	1/12/2018	9	261	29
PLANNED	1/12/2018	8	776	97
PLANNED	1/12/2018	3	78	26
CUSTOMER REQUEST	1/12/2018	1	252	252
PLANNED	1/12/2018	4	32	8
PLANNED	1/12/2018	8	1,592	199
CUSTOMER REQUEST	1/12/2018	4	48	12
PLANNED	1/12/2018	1	109	109
PLANNED	1/12/2018	12	2,328	194
PLANNED	1/12/2018	10	960	96
PLANNED	1/12/2018	1	127	127
PLANNED	1/12/2018	5	1,115	223
PLANNED	1/12/2018	5	405	81
PLANNED	1/12/2018	7	630	90

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/12/2018	2	1,122	561
PLANNED	1/12/2018	5	140	28
PLANNED	1/12/2018	1	59	59
PLANNED	1/12/2018	4	240	60
PLANNED	1/12/2018	10	810	81
PLANNED	1/12/2018	25	6,000	240
PLANNED	1/12/2018	8	544	68
PLANNED	1/12/2018	12	168	14
CUSTOMER REQUEST	1/12/2018	6	1,074	179
PLANNED	1/12/2018	10	540	54
PLANNED	1/12/2018	2	96	48
CUSTOMER REQUEST	1/12/2018	6	60	10
PLANNED	1/12/2018	29	4,350	150
PLANNED	1/12/2018	4	372	93
PLANNED	1/12/2018	5	895	179
PLANNED	1/12/2018	28	2,072	74
PLANNED	1/12/2018	12	2,232	186
PLANNED	1/12/2018	1	36	36
PLANNED	1/12/2018	2	86	43
PLANNED	1/12/2018	6	1,098	183
CUSTOMER REQUEST	1/12/2018	4	24	6
CUSTOMER REQUEST	1/12/2018	5	460	92
PLANNED	1/12/2018	1	7	7
PLANNED	1/12/2018	3	528	176
PLANNED	1/12/2018	14	686	49
PLANNED	1/12/2018	8	360	45
PLANNED	1/12/2018	5	385	77
PLANNED	1/12/2018	2	284	142
PLANNED	1/12/2018	2	26	13
PLANNED	1/12/2018	9	621	69
PLANNED	1/12/2018	6	516	86
PLANNED	1/12/2018	1	152	152
PLANNED	1/12/2018	1	138	138
PLANNED	1/12/2018	99	4,455	45
PLANNED	1/12/2018	6	216	36
PLANNED	1/12/2018	21	1,071	51
PLANNED	1/12/2018	2	6	3
PLANNED	1/12/2018	6	576	96
CUSTOMER REQUEST	1/12/2018	1	13	13
PLANNED	1/12/2018	4	804	201
PLANNED	1/12/2018	4	576	144
PLANNED	1/12/2018	2	32	16
PLANNED	1/12/2018	10	290	29
PLANNED	1/12/2018	2	66	33
PLANNED	1/12/2018	1	97	97
PLANNED	1/12/2018	7	105	15
PLANNED	1/12/2018	10	660	66
PLANNED	1/12/2018	3	15	5
PLANNED	1/12/2018	1	94	94
CUSTOMER REQUEST	1/12/2018	2	202	101
CUSTOMER REQUEST	1/12/2018	16	384	24

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/12/2018	2	156	78
PLANNED	1/12/2018	34	34	1
CUSTOMER REQUEST	1/12/2018	29	754	26
PLANNED	1/12/2018	15	825	55
CUSTOMER REQUEST	1/12/2018	1	58	58
PLANNED	1/12/2018	1	15	15
PLANNED	1/12/2018	3	492	164
PLANNED	1/12/2018	1	109	109
PLANNED	1/12/2018	1	170	170
PLANNED	1/13/2018	1	152	152
PLANNED	1/13/2018	6	954	159
PLANNED	1/13/2018	3	738	246
PLANNED	1/13/2018	1	303	303
PLANNED	1/13/2018	1	484	484
PLANNED	1/13/2018	1	249	249
PLANNED	1/13/2018	4	24	6
PLANNED	1/13/2018	3	255	85
PLANNED	1/13/2018	1	280	280
PLANNED	1/13/2018	2	220	110
PLANNED	1/13/2018	6	480	80
PLANNED	1/13/2018	1	192	192
PLANNED	1/13/2018	12	288	24
PLANNED	1/13/2018	6	792	132
PLANNED	1/13/2018	4	260	65
PLANNED	1/13/2018	8	488	61
PLANNED	1/13/2018	2	154	77
PLANNED	1/13/2018	2	116	58
PLANNED	1/13/2018	1	159	159
PLANNED	1/14/2018	15	4,350	290
PLANNED	1/14/2018	2	664	332
PLANNED	1/14/2018	10	2,180	218
PLANNED	1/14/2018	1	106	106
PLANNED	1/14/2018	2	102	51
PLANNED	1/14/2018	3	1,131	377
PLANNED	1/14/2018	4	316	79
PLANNED	1/14/2018	41	1,066	26
PLANNED	1/14/2018	9	810	90
PLANNED	1/14/2018	1	171	171
CUSTOMER REQUEST	1/14/2018	50	6,364	230
PLANNED	1/14/2018	1	248	248
PLANNED	1/14/2018	1	178	178
PLANNED	1/15/2018	1	224	224
PLANNED	1/15/2018	6	810	135
PLANNED	1/15/2018	4	264	66
PLANNED	1/15/2018	1	255	272
PLANNED	1/15/2018	1	97	97
PLANNED	1/15/2018	5	475	95
PLANNED	1/15/2018	89	2,225	25
PLANNED	1/15/2018	1	173	173
PLANNED	1/15/2018	2	316	158
PLANNED	1/15/2018	8	280	35

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/15/2018	2	114	57
PLANNED	1/15/2018	1	62	62
PLANNED	1/15/2018	4	276	69
PLANNED	1/15/2018	1	246	246
PLANNED	1/15/2018	5	575	115
PLANNED	1/15/2018	12	1,284	107
PLANNED	1/15/2018	1	238	238
PLANNED	1/15/2018	6	162	27
PLANNED	1/15/2018	4	728	182
PLANNED	1/15/2018	6	948	158
PLANNED	1/15/2018	2	68	34
PLANNED	1/15/2018	3	291	97
PLANNED	1/15/2018	2	242	121
PLANNED	1/15/2018	1	227	227
PLANNED	1/15/2018	8	224	28
PLANNED	1/15/2018	2	224	112
PLANNED	1/15/2018	4	504	126
PLANNED	1/15/2018	21	2,394	114
PLANNED	1/15/2018	20	1,020	51
PLANNED	1/15/2018	12	2,328	194
PLANNED	1/15/2018	4	156	39
PLANNED	1/15/2018	6	354	59
PLANNED	1/15/2018	9	324	36
PLANNED	1/15/2018	1	198	198
PLANNED	1/15/2018	25	7,150	286
PLANNED	1/15/2018	13	1,274	98
PLANNED	1/15/2018	2	140	70
PLANNED	1/15/2018	15	1,635	109
PLANNED	1/15/2018	8	816	102
PLANNED	1/15/2018	5	1,305	261
PLANNED	1/15/2018	8	768	96
PLANNED	1/15/2018	12	948	79
PLANNED	1/15/2018	2	100	50
PLANNED	1/15/2018	10	880	88
PLANNED	1/15/2018	10	1,700	170
PLANNED	1/15/2018	6	294	49
PLANNED	1/15/2018	26	4,420	170
PLANNED	1/15/2018	4	676	169
PLANNED	1/15/2018	2	158	79
PLANNED	1/15/2018	11	737	67
PLANNED	1/15/2018	1	119	119
PLANNED	1/15/2018	1	266	266
PLANNED	1/15/2018	1	263	263
PLANNED	1/15/2018	7	560	80
CUSTOMER REQUEST	1/15/2018	1	76	76
CUSTOMER REQUEST	1/15/2018	1	31	31
CUSTOMER REQUEST	1/15/2018	1	45	45
PLANNED	1/15/2018	1	151	151
PLANNED	1/16/2018	16	3,472	217
PLANNED	1/16/2018	19	3,933	207
PLANNED	1/16/2018	1	77	77

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/16/2018	1	69	69
PLANNED	1/16/2018	4	660	165
PLANNED	1/16/2018	17	1,122	66
PLANNED	1/16/2018	14	350	25
PLANNED	1/16/2018	7	168	24
PLANNED	1/16/2018	6	258	43
PLANNED	1/16/2018	1	135	135
PLANNED	1/16/2018	2	238	119
PLANNED	1/16/2018	12	1,536	128
PLANNED	1/16/2018	8	424	53
CUSTOMER REQUEST	1/16/2018	27	9,531	353
PLANNED	1/16/2018	10	570	57
PLANNED	1/16/2018	2	316	158
PLANNED	1/16/2018	1	6	6
PLANNED	1/16/2018	2	150	75
PLANNED	1/16/2018	3	465	155
PLANNED	1/16/2018	8	320	40
PLANNED	1/16/2018	1	198	198
PLANNED	1/16/2018	5	645	129
PLANNED	1/16/2018	5	740	148
PLANNED	1/16/2018	10	1,850	185
PLANNED	1/16/2018	19	9,994	526
PLANNED	1/16/2018	1	185	185
PLANNED	1/16/2018	4	456	114
PLANNED	1/16/2018	2	200	100
PLANNED	1/16/2018	1	151	151
PLANNED	1/16/2018	5	770	154
PLANNED	1/16/2018	9	1,530	170
PLANNED	1/16/2018	4	228	57
PLANNED	1/16/2018	8	760	95
PLANNED	1/16/2018	8	864	108
PLANNED	1/16/2018	1	222	222
PLANNED	1/16/2018	12	864	72
PLANNED	1/16/2018	4	224	56
PLANNED	1/16/2018	3	60	20
PLANNED	1/16/2018	6	642	107
CUSTOMER REQUEST	1/16/2018	3	30	10
PLANNED	1/16/2018	6	822	137
PLANNED	1/16/2018	9	1,305	145
PLANNED	1/16/2018	4	140	35
PLANNED	1/16/2018	2	766	383
PLANNED	1/16/2018	8	224	28
PLANNED	1/16/2018	34	6,358	187
PLANNED	1/16/2018	5	180	36
PLANNED	1/16/2018	13	1,768	136
PLANNED	1/16/2018	2	284	142
PLANNED	1/16/2018	5	615	123
PLANNED	1/16/2018	9	468	52
PLANNED	1/16/2018	1	61	61
PLANNED	1/16/2018	11	627	57
PLANNED	1/16/2018	4	584	146

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/16/2018	10	410	41
CUSTOMER REQUEST	1/16/2018	29	1,537	53
PLANNED	1/16/2018	11	814	74
PLANNED	1/16/2018	22	1,650	75
PLANNED	1/16/2018	7	588	84
PLANNED	1/16/2018	3	153	51
PLANNED	1/16/2018	1	29	29
PLANNED	1/16/2018	8	336	42
PLANNED	1/16/2018	2	228	114
PLANNED	1/16/2018	8	632	79
PLANNED	1/16/2018	9	171	19
PLANNED	1/16/2018	1	120	120
PLANNED	1/16/2018	6	228	38
PLANNED	1/16/2018	3	174	58
PLANNED	1/16/2018	10	380	38
PLANNED	1/16/2018	8	1,392	174
PLANNED	1/16/2018	1	121	121
CUSTOMER REQUEST	1/16/2018	1	35	35
PLANNED	1/16/2018	10	1,710	171
PLANNED	1/16/2018	12	2,004	167
PLANNED	1/16/2018	2	62	31
PLANNED	1/16/2018	18	3,042	169
PLANNED	1/16/2018	7	154	22
PLANNED	1/16/2018	4	260	65
PLANNED	1/16/2018	4	36	9
PLANNED	1/16/2018	102	10,914	107
PLANNED	1/16/2018	2	152	76
PLANNED	1/16/2018	7	735	105
PLANNED	1/16/2018	2	54	27
PLANNED	1/16/2018	6	288	48
PLANNED	1/16/2018	4	1,156	289
PLANNED	1/16/2018	5	240	48
PLANNED	1/16/2018	9	351	39
PLANNED	1/16/2018	3	240	80
PLANNED	1/16/2018	29	870	30
PLANNED	1/16/2018	15	435	29
PLANNED	1/16/2018	1	67	67
PLANNED	1/16/2018	4	116	29
PLANNED	1/16/2018	10	550	55
PLANNED	1/16/2018	16	1,264	79
PLANNED	1/16/2018	12	468	39
PLANNED	1/16/2018	8	208	26
PLANNED	1/16/2018	1	53	53
PLANNED	1/16/2018	16	1,440	90
PLANNED	1/16/2018	2	134	67
PLANNED	1/16/2018	2	100	50
PLANNED	1/16/2018	2	214	107
CUSTOMER REQUEST	1/16/2018	11	2,574	234
PLANNED	1/17/2018	10	60	6
PLANNED	1/17/2018	3	357	119
PLANNED	1/17/2018	8	192	24

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/17/2018	1	55	55
CUSTOMER REQUEST	1/17/2018	11	1,650	150
PLANNED	1/17/2018	2	90	45
PLANNED	1/17/2018	3	105	35
PLANNED	1/17/2018	2	264	132
PLANNED	1/17/2018	15	2,655	177
PLANNED	1/17/2018	3	897	299
PLANNED	1/17/2018	3	456	152
PLANNED	1/17/2018	30	5,640	188
PLANNED	1/17/2018	12	2,158	244
CUSTOMER REQUEST	1/17/2018	1	201	201
PLANNED	1/17/2018	2	106	53
PLANNED	1/17/2018	10	720	72
PLANNED	1/17/2018	1	115	115
PLANNED	1/17/2018	12	1,812	151
PLANNED	1/17/2018	9	1,359	151
PLANNED	1/17/2018	27	1,539	57
PLANNED	1/17/2018	8	1,600	200
PLANNED	1/17/2018	6	612	102
PLANNED	1/17/2018	2	136	68
PLANNED	1/17/2018	89	4,539	51
PLANNED	1/17/2018	8	424	53
PLANNED	1/17/2018	1	111	111
PLANNED	1/17/2018	1	222	222
PLANNED	1/17/2018	8	344	43
PLANNED	1/17/2018	108	14,688	136
PLANNED	1/17/2018	8	368	46
PLANNED	1/17/2018	5	240	48
PLANNED	1/17/2018	23	115	5
PLANNED	1/17/2018	8	456	57
PLANNED	1/17/2018	3	321	107
PLANNED	1/17/2018	3	138	46
PLANNED	1/17/2018	21	168	8
PLANNED	1/17/2018	5	305	61
PLANNED	1/17/2018	5	440	88
PLANNED	1/17/2018	4	1,152	288
PLANNED	1/17/2018	3	168	56
PLANNED	1/17/2018	4	540	135
PLANNED	1/17/2018	2	118	59
PLANNED	1/17/2018	1	35	35
PLANNED	1/17/2018	9	405	45
PLANNED	1/17/2018	1	92	92
CUSTOMER REQUEST	1/17/2018	8	8	1
PLANNED	1/17/2018	1	107	107
PLANNED	1/17/2018	4	120	30
PLANNED	1/17/2018	4	273	180
PLANNED	1/17/2018	10	1,260	126
PLANNED	1/17/2018	21	3,633	173
PLANNED	1/17/2018	8	472	59
PLANNED	1/17/2018	6	684	114
PLANNED	1/17/2018	11	803	73

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/17/2018	2	346	173
PLANNED	1/17/2018	3	354	118
PLANNED	1/17/2018	8	1,520	190
PLANNED	1/17/2018	12	2,232	186
PLANNED	1/17/2018	28	12,124	433
PLANNED	1/17/2018	1	59	59
PLANNED	1/17/2018	4	84	21
PLANNED	1/17/2018	6	486	81
PLANNED	1/17/2018	1	154	154
PLANNED	1/17/2018	4	584	146
PLANNED	1/17/2018	7	280	40
PLANNED	1/17/2018	11	1,331	121
PLANNED	1/17/2018	15	1,800	120
PLANNED	1/17/2018	3	117	39
PLANNED	1/17/2018	8	600	75
PLANNED	1/17/2018	8	256	32
PLANNED	1/17/2018	11	1,371	181
PLANNED	1/17/2018	2	316	158
PLANNED	1/17/2018	2	94	47
PLANNED	1/17/2018	4	188	47
PLANNED	1/17/2018	1	16	16
PLANNED	1/17/2018	3	54	18
PLANNED	1/17/2018	4	316	79
PLANNED	1/17/2018	1	33	33
PLANNED	1/17/2018	1	30	30
PLANNED	1/17/2018	8	240	30
PLANNED	1/17/2018	14	1,806	129
PLANNED	1/17/2018	1	188	188
PLANNED	1/17/2018	12	816	68
PLANNED	1/17/2018	1	67	67
PLANNED	1/17/2018	29	551	19
PLANNED	1/17/2018	6	504	84
PLANNED	1/17/2018	4	148	37
PLANNED	1/17/2018	10	1,500	150
PLANNED	1/17/2018	3	183	61
PLANNED	1/17/2018	12	780	65
PLANNED	1/17/2018	2	248	124
PLANNED	1/17/2018	11	539	49
PLANNED	1/17/2018	1	155	155
PLANNED	1/17/2018	5	255	51
PLANNED	1/17/2018	2	202	101
CUSTOMER REQUEST	1/17/2018	1	70	70
PLANNED	1/17/2018	2	108	54
PLANNED	1/17/2018	14	476	34
PLANNED	1/17/2018	15	480	32
PLANNED	1/17/2018	5	130	26
PLANNED	1/17/2018	1	21	21
PLANNED	1/17/2018	1	18	18
CUSTOMER REQUEST	1/17/2018	2	172	86
PLANNED	1/17/2018	2	18	9
PLANNED	1/18/2018	1	106	106

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/18/2018	2	172	86
CUSTOMER REQUEST	1/18/2018	1	353	353
PLANNED	1/18/2018	4	204	51
PLANNED	1/18/2018	7	350	50
PLANNED	1/18/2018	2	512	256
PLANNED	1/18/2018	8	488	61
PLANNED	1/18/2018	3	99	33
PLANNED	1/18/2018	9	288	32
PLANNED	1/18/2018	10	420	42
PLANNED	1/18/2018	25	3,575	143
PLANNED	1/18/2018	42	7,518	179
PLANNED	1/18/2018	8	1,856	262
CUSTOMER REQUEST	1/18/2018	25	100	4
CUSTOMER REQUEST	1/18/2018	8	456	57
PLANNED	1/18/2018	8	688	86
PLANNED	1/18/2018	38	2,014	53
PLANNED	1/18/2018	3	384	128
PLANNED	1/18/2018	7	532	76
PLANNED	1/18/2018	9	441	49
PLANNED	1/18/2018	8	736	92
PLANNED	1/18/2018	1	54	54
PLANNED	1/18/2018	7	287	41
PLANNED	1/18/2018	5	500	100
PLANNED	1/18/2018	4	456	114
PLANNED	1/18/2018	2	510	255
PLANNED	1/18/2018	3	141	47
PLANNED	1/18/2018	31	837	27
PLANNED	1/18/2018	30	5,850	195
PLANNED	1/18/2018	10	580	58
PLANNED	1/18/2018	9	2,664	296
PLANNED	1/18/2018	1	126	126
CUSTOMER REQUEST	1/18/2018	3,195	31,630	16
PLANNED	1/18/2018	5	620	124
PLANNED	1/18/2018	1	51	51
PLANNED	1/18/2018	7	777	111
PLANNED	1/18/2018	1	151	151
PLANNED	1/18/2018	9	234	26
PLANNED	1/18/2018	30	2,100	70
PLANNED	1/18/2018	8	968	121
PLANNED	1/18/2018	8	976	122
PLANNED	1/18/2018	2	192	96
PLANNED	1/18/2018	3	204	68
PLANNED	1/18/2018	6	204	34
PLANNED	1/18/2018	6	840	140
PLANNED	1/18/2018	11	1,628	148
PLANNED	1/18/2018	1	70	70
PLANNED	1/18/2018	28	1,354	57
PLANNED	1/18/2018	6	390	65
CUSTOMER REQUEST	1/18/2018	8	160	20
PLANNED	1/18/2018	90	5,850	65
PLANNED	1/18/2018	5	265	53

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/18/2018	17	680	40
PLANNED	1/18/2018	2	96	48
PLANNED	1/18/2018	8	384	48
PLANNED	1/18/2018	2	72	36
CUSTOMER REQUEST	1/18/2018	2	26	13
PLANNED	1/18/2018	3	30	10
PLANNED	1/18/2018	8	83	41
PLANNED	1/18/2018	1	182	182
PLANNED	1/18/2018	3	15	5
PLANNED	1/18/2018	10	730	73
PLANNED	1/18/2018	1	35	35
PLANNED	1/18/2018	1	66	66
PLANNED	1/18/2018	8	1,064	133
PLANNED	1/18/2018	5	630	126
PLANNED	1/18/2018	2	388	194
PLANNED	1/18/2018	11	1,188	108
PLANNED	1/18/2018	1	190	190
PLANNED	1/18/2018	23	598	26
PLANNED	1/18/2018	4	288	72
PLANNED	1/18/2018	5	5	1
PLANNED	1/18/2018	7	539	77
PLANNED	1/18/2018	8	1,616	202
PLANNED	1/18/2018	5	270	54
PLANNED	1/18/2018	1	33	33
PLANNED	1/18/2018	7	448	64
PLANNED	1/18/2018	8	24	3
PLANNED	1/18/2018	4	184	46
PLANNED	1/18/2018	3	42	14
PLANNED	1/18/2018	4	508	127
PLANNED	1/18/2018	4	732	183
PLANNED	1/18/2018	7	1,085	155
PLANNED	1/18/2018	3	66	22
PLANNED	1/18/2018	3	57	19
PLANNED	1/18/2018	3	438	146
PLANNED	1/18/2018	7	203	29
PLANNED	1/18/2018	6	720	120
PLANNED	1/19/2018	34	3,876	114
PLANNED	1/19/2018	43	10,406	242
PLANNED	1/19/2018	10	2,010	201
PLANNED	1/19/2018	9	999	111
CUSTOMER REQUEST	1/19/2018	676	24,336	36
PLANNED	1/19/2018	1	160	160
PLANNED	1/19/2018	15	1,140	76
PLANNED	1/19/2018	9	675	75
PLANNED	1/19/2018	7	952	136
PLANNED	1/19/2018	4	408	102
PLANNED	1/19/2018	25	14,375	575
PLANNED	1/19/2018	3	435	145
CUSTOMER REQUEST	1/19/2018	1	117	117
PLANNED	1/19/2018	2	228	114
PLANNED	1/19/2018	1	284	284

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/19/2018	1	131	131
CUSTOMER REQUEST	1/19/2018	1	119	119
PLANNED	1/19/2018	4	232	58
CUSTOMER REQUEST	1/19/2018	48	1,536	32
PLANNED	1/19/2018	12	1,260	105
PLANNED	1/19/2018	37	5,957	161
PLANNED	1/19/2018	13	249	45
PLANNED	1/19/2018	11	1,661	151
PLANNED	1/19/2018	7	378	54
PLANNED	1/19/2018	2	366	183
PLANNED	1/19/2018	2	360	180
CUSTOMER REQUEST	1/19/2018	9	810	90
PLANNED	1/19/2018	1	43	43
CUSTOMER REQUEST	1/19/2018	4	88	22
PLANNED	1/19/2018	8	584	73
PLANNED	1/19/2018	7	364	52
PLANNED	1/19/2018	4	52	13
PLANNED	1/19/2018	10	1,190	119
PLANNED	1/19/2018	6	1,740	290
PLANNED	1/19/2018	2	100	50
PLANNED	1/19/2018	7	1,190	170
PLANNED	1/19/2018	5	1,230	246
PLANNED	1/19/2018	11	55	5
CUSTOMER REQUEST	1/19/2018	6	72	12
PLANNED	1/19/2018	18	288	16
CUSTOMER REQUEST	1/19/2018	2	118	59
PLANNED	1/19/2018	7	189	27
PLANNED	1/19/2018	3	270	90
PLANNED	1/19/2018	12	3,204	267
PLANNED	1/19/2018	7	525	75
PLANNED	1/19/2018	1	46	46
PLANNED	1/19/2018	2	182	91
PLANNED	1/19/2018	5	235	47
PLANNED	1/19/2018	3	258	86
PLANNED	1/19/2018	13	78	6
PLANNED	1/19/2018	1	67	67
PLANNED	1/19/2018	7	392	56
PLANNED	1/19/2018	2	128	64
PLANNED	1/19/2018	7	476	68
PLANNED	1/19/2018	4	160	40
PLANNED	1/19/2018	4	536	134
PLANNED	1/19/2018	4	188	47
PLANNED	1/19/2018	2	94	47
PLANNED	1/19/2018	6	198	33
PLANNED	1/19/2018	7	98	14
PLANNED	1/19/2018	4	136	34
CUSTOMER REQUEST	1/19/2018	12	120	10
PLANNED	1/20/2018	1	658	658
PLANNED	1/20/2018	3	897	299
PLANNED	1/20/2018	16	2,704	169
PLANNED	1/20/2018	9	2,115	235

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/20/2018	24	1,848	77
PLANNED	1/20/2018	13	2,080	160
PLANNED	1/20/2018	3	294	98
CUSTOMER REQUEST	1/20/2018	14	798	57
PLANNED	1/20/2018	2	146	73
PLANNED	1/20/2018	1	63	63
PLANNED	1/20/2018	1	107	107
PLANNED	1/20/2018	2	158	79
PLANNED	1/20/2018	1	97	97
PLANNED	1/20/2018	1	179	179
PLANNED	1/21/2018	1	113	113
PLANNED	1/21/2018	1	152	152
CUSTOMER REQUEST	1/21/2018	8	2,776	347
PLANNED	1/21/2018	4	612	153
PLANNED	1/21/2018	6	1,068	178
PLANNED	1/21/2018	4	2,012	503
PLANNED	1/21/2018	2	110	55
PLANNED	1/21/2018	2	356	178
PLANNED	1/21/2018	1	519	519
CUSTOMER REQUEST	1/22/2018	3	1,920	640
PLANNED	1/22/2018	7	3,521	503
PLANNED	1/22/2018	4	1,400	350
PLANNED	1/22/2018	5	1,770	354
PLANNED	1/22/2018	9	3,123	347
PLANNED	1/22/2018	13	2,353	181
PLANNED	1/22/2018	1	47	47
PLANNED	1/22/2018	5	715	143
PLANNED	1/22/2018	142	2,698	19
PLANNED	1/22/2018	7	273	39
PLANNED	1/22/2018	9	333	37
PLANNED	1/22/2018	37	3,959	107
PLANNED	1/22/2018	8	240	31
PLANNED	1/22/2018	2	246	123
PLANNED	1/22/2018	1	83	83
PLANNED	1/22/2018	2	148	74
PLANNED	1/22/2018	6	126	21
PLANNED	1/22/2018	3	69	23
PLANNED	1/22/2018	3	462	154
PLANNED	1/22/2018	12	1,848	154
CUSTOMER REQUEST	1/22/2018	37	27,043	855
CUSTOMER REQUEST	1/22/2018	11	473	43
PLANNED	1/22/2018	1	287	287
CUSTOMER REQUEST	1/22/2018	1	180	180
PLANNED	1/22/2018	2	248	124
PLANNED	1/22/2018	8	1,848	231
PLANNED	1/22/2018	6	270	45
PLANNED	1/22/2018	1	158	158
PLANNED	1/22/2018	8	200	25
PLANNED	1/22/2018	73	10,950	150
PLANNED	1/22/2018	3	129	43
PLANNED	1/22/2018	7	378	54

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/22/2018	2	114	57
PLANNED	1/22/2018	4	248	62
PLANNED	1/22/2018	7	196	28
PLANNED	1/22/2018	8	2,176	272
PLANNED	1/22/2018	16	560	35
PLANNED	1/22/2018	2	304	152
PLANNED	1/22/2018	1	45	45
PLANNED	1/22/2018	1	39	39
CUSTOMER REQUEST	1/22/2018	12	552	70
PLANNED	1/22/2018	4	284	71
PLANNED	1/22/2018	1	114	114
PLANNED	1/22/2018	1	161	161
PLANNED	1/22/2018	15	3,225	215
PLANNED	1/22/2018	1	123	123
PLANNED	1/22/2018	7	483	69
PLANNED	1/22/2018	5	150	30
PLANNED	1/22/2018	1	113	113
PLANNED	1/22/2018	9	1,746	194
PLANNED	1/22/2018	5	355	71
PLANNED	1/22/2018	5	125	25
PLANNED	1/22/2018	2	140	70
PLANNED	1/22/2018	3	48	16
PLANNED	1/22/2018	1	133	133
PLANNED	1/22/2018	24	3,912	163
PLANNED	1/22/2018	12	1,284	107
PLANNED	1/22/2018	6	222	37
PLANNED	1/22/2018	1	653	653
PLANNED	1/22/2018	1	247	247
PLANNED	1/22/2018	5	1,265	253
PLANNED	1/22/2018	10	940	94
CUSTOMER REQUEST	1/22/2018	4	596	149
PLANNED	1/22/2018	4	212	53
PLANNED	1/22/2018	4	136	34
PLANNED	1/22/2018	1	108	108
PLANNED	1/22/2018	3	525	175
PLANNED	1/22/2018	2	280	140
PLANNED	1/22/2018	15	1,665	111
PLANNED	1/22/2018	1	27	27
PLANNED	1/22/2018	1	159	159
PLANNED	1/22/2018	2	36	18
PLANNED	1/22/2018	7	287	41
PLANNED	1/22/2018	4	376	94
PLANNED	1/22/2018	2	124	62
PLANNED	1/22/2018	11	1,397	127
PLANNED	1/22/2018	5	250	50
PLANNED	1/22/2018	1	203	203
PLANNED	1/22/2018	4	104	26
PLANNED	1/22/2018	2	204	102
PLANNED	1/22/2018	2	56	28
CUSTOMER REQUEST	1/22/2018	2	104	52
PLANNED	1/22/2018	8	912	114

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/22/2018	12	1,368	114
PLANNED	1/22/2018	1	105	105
PLANNED	1/22/2018	5	155	31
CUSTOMER REQUEST	1/22/2018	1	897	897
PLANNED	1/22/2018	7	28	4
PLANNED	1/22/2018	16	704	44
PLANNED	1/22/2018	4	88	22
PLANNED	1/22/2018	39	2,535	65
CUSTOMER REQUEST	1/22/2018	1	177	177
PLANNED	1/22/2018	1	105	105
CUSTOMER REQUEST	1/23/2018	12	5,196	433
PLANNED	1/23/2018	3	339	113
PLANNED	1/23/2018	2	206	103
PLANNED	1/23/2018	6	648	108
PLANNED	1/23/2018	4	52	13
PLANNED	1/23/2018	8	520	65
PLANNED	1/23/2018	6	1,902	317
PLANNED	1/23/2018	3	201	67
PLANNED	1/23/2018	9	423	47
PLANNED	1/23/2018	12	1,692	141
PLANNED	1/23/2018	20	12,720	636
PLANNED	1/23/2018	7	399	57
PLANNED	1/23/2018	10	190	19
PLANNED	1/23/2018	4	308	77
PLANNED	1/23/2018	5	35	7
PLANNED	1/23/2018	14	392	28
CUSTOMER REQUEST	1/23/2018	1	2	2
CUSTOMER REQUEST	1/23/2018	4	524	131
PLANNED	1/23/2018	4	608	152
CUSTOMER REQUEST	1/23/2018	6	30	5
PLANNED	1/23/2018	3	795	265
PLANNED	1/23/2018	4	60	15
PLANNED	1/23/2018	2	124	62
PLANNED	1/23/2018	12	3,528	294
PLANNED	1/23/2018	7	434	62
PLANNED	1/23/2018	12	648	54
PLANNED	1/23/2018	5	270	54
PLANNED	1/23/2018	1	93	93
PLANNED	1/23/2018	12	900	75
PLANNED	1/23/2018	1	143	143
PLANNED	1/23/2018	8	520	65
PLANNED	1/23/2018	8	784	98
PLANNED	1/23/2018	3	141	47
PLANNED	1/23/2018	9	1,179	131
PLANNED	1/23/2018	23	1,725	75
PLANNED	1/23/2018	4	92	23
PLANNED	1/23/2018	10	170	17
PLANNED	1/23/2018	12	528	44
PLANNED	1/23/2018	3	195	65
PLANNED	1/23/2018	2	96	48
PLANNED	1/23/2018	1	167	167

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/23/2018	1	181	181
PLANNED	1/23/2018	1	172	172
PLANNED	1/23/2018	1	167	167
PLANNED	1/23/2018	3	348	116
PLANNED	1/23/2018	1	41	41
PLANNED	1/23/2018	1	116	116
PLANNED	1/23/2018	1	156	156
PLANNED	1/23/2018	21	84	4
PLANNED	1/23/2018	17	323	19
PLANNED	1/23/2018	19	1,425	75
PLANNED	1/23/2018	5	90	18
PLANNED	1/23/2018	11	121	11
PLANNED	1/23/2018	2	2	1
PLANNED	1/23/2018	12	1,920	160
PLANNED	1/23/2018	1	154	154
PLANNED	1/23/2018	1	81	81
PLANNED	1/23/2018	7	1,001	143
PLANNED	1/23/2018	2	182	91
PLANNED	1/23/2018	4	52	13
PLANNED	1/23/2018	1	143	143
PLANNED	1/23/2018	12	444	37
PLANNED	1/23/2018	4	252	63
PLANNED	1/23/2018	8	120	15
PLANNED	1/23/2018	4	76	19
PLANNED	1/23/2018	8	2,416	302
PLANNED	1/23/2018	8	168	21
PLANNED	1/23/2018	8	464	58
PLANNED	1/23/2018	3	351	117
PLANNED	1/23/2018	4	96	24
PLANNED	1/23/2018	1	67	67
PLANNED	1/23/2018	6	474	79
PLANNED	1/23/2018	7	399	57
PLANNED	1/23/2018	8	480	60
PLANNED	1/23/2018	2	232	116
PLANNED	1/23/2018	4	228	57
PLANNED	1/23/2018	6	690	115
PLANNED	1/23/2018	1	61	61
PLANNED	1/23/2018	9	1,017	113
PLANNED	1/23/2018	1	123	123
PLANNED	1/23/2018	3	78	26
PLANNED	1/23/2018	2	282	141
PLANNED	1/23/2018	13	520	40
PLANNED	1/23/2018	8	616	77
PLANNED	1/23/2018	1	81	81
PLANNED	1/23/2018	4	200	50
PLANNED	1/23/2018	9	54	6
CUSTOMER REQUEST	1/23/2018	1,684	61,722	48
PLANNED	1/23/2018	1	66	66
CUSTOMER REQUEST	1/23/2018	1	208	208
CUSTOMER REQUEST	1/23/2018	1	281	281
PLANNED	1/23/2018	24	600	25

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/23/2018	6	984	164
PLANNED	1/23/2018	6	2,676	446
PLANNED	1/23/2018	13	1,014	78
PLANNED	1/23/2018	13	2,639	203
PLANNED	1/23/2018	9	1,791	199
PLANNED	1/24/2018	1	130	130
PLANNED	1/24/2018	3	330	110
PLANNED	1/24/2018	3	234	78
PLANNED	1/24/2018	1	102	102
PLANNED	1/24/2018	31	3,193	103
PLANNED	1/24/2018	3	312	104
PLANNED	1/24/2018	8	552	69
PLANNED	1/24/2018	7	315	45
PLANNED	1/24/2018	7	1,267	181
CUSTOMER REQUEST	1/24/2018	8	80	10
PLANNED	1/24/2018	3	357	119
CUSTOMER REQUEST	1/24/2018	15	135	9
PLANNED	1/24/2018	12	36	3
PLANNED	1/24/2018	42	7,560	180
PLANNED	1/24/2018	40	5,640	141
PLANNED	1/24/2018	6	18	3
PLANNED	1/24/2018	6	426	71
PLANNED	1/24/2018	12	840	70
PLANNED	1/24/2018	1	103	103
PLANNED	1/24/2018	4	964	241
PLANNED	1/24/2018	12	720	60
PLANNED	1/24/2018	114	9,006	79
PLANNED	1/24/2018	5	1,000	200
PLANNED	1/24/2018	5	185	37
CUSTOMER REQUEST	1/24/2018	6	1,536	256
PLANNED	1/24/2018	22	5,852	266
CUSTOMER REQUEST	1/24/2018	2	224	112
PLANNED	1/24/2018	8	1,200	150
PLANNED	1/24/2018	6	30	5
PLANNED	1/24/2018	1	24	24
PLANNED	1/24/2018	9	207	23
PLANNED	1/24/2018	1	16	16
PLANNED	1/24/2018	4	52	13
PLANNED	1/24/2018	9	1,080	120
PLANNED	1/24/2018	5	595	119
PLANNED	1/24/2018	4	476	119
PLANNED	1/24/2018	2	110	55
PLANNED	1/24/2018	2	288	144
PLANNED	1/24/2018	8	120	15
PLANNED	1/24/2018	7	469	67
CUSTOMER REQUEST	1/24/2018	26	4,966	191
PLANNED	1/24/2018	6	378	63
PLANNED	1/24/2018	7	399	57
PLANNED	1/24/2018	9	855	95
PLANNED	1/24/2018	6	60	10
PLANNED	1/24/2018	1	130	130

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/24/2018	1	31	31
CUSTOMER REQUEST	1/24/2018	1	45	45
PLANNED	1/24/2018	14	2,044	146
PLANNED	1/24/2018	5	950	190
PLANNED	1/24/2018	7	854	122
PLANNED	1/24/2018	1	2	2
PLANNED	1/24/2018	1	144	144
PLANNED	1/24/2018	1	103	103
PLANNED	1/24/2018	8	136	17
PLANNED	1/24/2018	9	2,196	244
PLANNED	1/24/2018	8	808	101
PLANNED	1/24/2018	48	288	6
PLANNED	1/24/2018	4	756	189
PLANNED	1/24/2018	7	1,484	212
PLANNED	1/24/2018	12	60	5
PLANNED	1/24/2018	1	64	64
PLANNED	1/24/2018	8	328	41
PLANNED	1/24/2018	9	225	25
CUSTOMER REQUEST	1/24/2018	4	44	11
PLANNED	1/24/2018	16	800	50
PLANNED	1/24/2018	4	580	145
PLANNED	1/24/2018	8	1,168	146
PLANNED	1/24/2018	11	363	33
PLANNED	1/24/2018	10	1,190	119
PLANNED	1/24/2018	8	72	9
PLANNED	1/24/2018	12	156	13
PLANNED	1/24/2018	1	41	41
PLANNED	1/24/2018	4	360	90
PLANNED	1/24/2018	17	578	34
PLANNED	1/24/2018	1	117	117
PLANNED	1/24/2018	1	109	109
PLANNED	1/24/2018	1	103	103
CUSTOMER REQUEST	1/24/2018	18	1,260	70
PLANNED	1/24/2018	5	340	68
PLANNED	1/24/2018	6	18	3
PLANNED	1/24/2018	3	285	95
PLANNED	1/24/2018	1	239	239
PLANNED	1/24/2018	3	252	84
PLANNED	1/24/2018	6	60	10
PLANNED	1/24/2018	2	20	10
CUSTOMER REQUEST	1/24/2018	8	56	7
PLANNED	1/24/2018	1	78	78
PLANNED	1/24/2018	3	522	174
PLANNED	1/24/2018	2	274	137
PLANNED	1/24/2018	1	107	107
PLANNED	1/24/2018	10	710	71
PLANNED	1/24/2018	2	78	39
PLANNED	1/24/2018	3	102	34
PLANNED	1/24/2018	6	24	4
PLANNED	1/24/2018	2	168	84
PLANNED	1/24/2018	12	180	15

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/24/2018	8	96	12
PLANNED	1/24/2018	9	432	48
PLANNED	1/24/2018	9	1,215	135
CUSTOMER REQUEST	1/24/2018	2	264	132
PLANNED	1/24/2018	3	105	35
PLANNED	1/24/2018	3	237	79
PLANNED	1/24/2018	1	163	163
PLANNED	1/24/2018	2	178	89
CUSTOMER REQUEST	1/24/2018	3	99	33
CUSTOMER REQUEST	1/25/2018	1	415	415
PLANNED	1/25/2018	1	128	128
PLANNED	1/25/2018	3	447	149
PLANNED	1/25/2018	12	1,212	101
PLANNED	1/25/2018	1	87	87
PLANNED	1/25/2018	1	46	46
PLANNED	1/25/2018	2	92	46
PLANNED	1/25/2018	6	918	153
PLANNED	1/25/2018	5	235	47
PLANNED	1/25/2018	3	84	28
PLANNED	1/25/2018	7	168	24
CUSTOMER REQUEST	1/25/2018	1	587	587
PLANNED	1/25/2018	30	3,960	132
PLANNED	1/25/2018	21	252	12
PLANNED	1/25/2018	4	412	103
PLANNED	1/25/2018	2	256	128
CUSTOMER REQUEST	1/25/2018	56	3,528	63
PLANNED	1/25/2018	18	1,134	63
PLANNED	1/25/2018	16	1,200	75
PLANNED	1/25/2018	7	504	72
PLANNED	1/25/2018	4	640	160
PLANNED	1/25/2018	1	224	224
PLANNED	1/25/2018	6	432	72
PLANNED	1/25/2018	2	336	168
PLANNED	1/25/2018	4	488	122
PLANNED	1/25/2018	55	5,738	114
CUSTOMER REQUEST	1/25/2018	12	108	9
PLANNED	1/25/2018	4	360	90
PLANNED	1/25/2018	193	386	2
PLANNED	1/25/2018	12	1,380	115
PLANNED	1/25/2018	2	372	186
CUSTOMER REQUEST	1/25/2018	141	17,766	126
PLANNED	1/25/2018	1	3	3
PLANNED	1/25/2018	375	22,500	60
CUSTOMER REQUEST	1/25/2018	1	275	275
PLANNED	1/25/2018	16	4,704	294
PLANNED	1/25/2018	9	639	71
CUSTOMER REQUEST	1/25/2018	9	261	29
PLANNED	1/25/2018	164	8,528	52
PLANNED	1/25/2018	1	77	77
PLANNED	1/25/2018	4	460	115
PLANNED	1/25/2018	432	9,936	23

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/25/2018	9	315	35
PLANNED	1/25/2018	1	201	201
CUSTOMER REQUEST	1/25/2018	8	296	37
PLANNED	1/25/2018	2	82	41
PLANNED	1/25/2018	12	600	50
CUSTOMER REQUEST	1/25/2018	10	1,010	101
PLANNED	1/25/2018	9	513	57
PLANNED	1/25/2018	6	306	51
PLANNED	1/25/2018	1	140	140
PLANNED	1/25/2018	1	82	82
PLANNED	1/25/2018	7	749	107
PLANNED	1/25/2018	2	170	85
PLANNED	1/25/2018	8	112	14
PLANNED	1/25/2018	1	105	105
PLANNED	1/25/2018	2	112	56
PLANNED	1/25/2018	43	10,320	240
CUSTOMER REQUEST	1/25/2018	1	86	86
PLANNED	1/25/2018	1	33	33
PLANNED	1/25/2018	10	40	4
PLANNED	1/25/2018	5	155	31
PLANNED	1/25/2018	4	512	128
PLANNED	1/25/2018	12	1,668	139
CUSTOMER REQUEST	1/25/2018	28	420	15
PLANNED	1/25/2018	7	203	29
PLANNED	1/25/2018	1	47	47
PLANNED	1/25/2018	9	279	31
PLANNED	1/25/2018	3	213	71
PLANNED	1/25/2018	1	256	256
PLANNED	1/25/2018	8	976	122
PLANNED	1/25/2018	2	38	19
PLANNED	1/25/2018	11	1,881	171
PLANNED	1/25/2018	7	147	21
PLANNED	1/25/2018	2	308	154
PLANNED	1/25/2018	2	118	59
PLANNED	1/25/2018	3	57	19
PLANNED	1/25/2018	4	308	77
PLANNED	1/25/2018	193	9,348	65
PLANNED	1/25/2018	8	960	120
PLANNED	1/25/2018	12	552	46
PLANNED	1/25/2018	6	858	143
PLANNED	1/25/2018	4	584	146
PLANNED	1/25/2018	4	488	122
PLANNED	1/25/2018	7	826	118
PLANNED	1/25/2018	3	189	63
PLANNED	1/25/2018	6	288	48
PLANNED	1/25/2018	21	336	16
PLANNED	1/25/2018	7	266	38
PLANNED	1/25/2018	3	147	49
PLANNED	1/25/2018	4	160	40
CUSTOMER REQUEST	1/25/2018	56	672	12
PLANNED	1/25/2018	1	69	69

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/25/2018	8	1,376	172
PLANNED	1/25/2018	2	66	33
CUSTOMER REQUEST	1/25/2018	1	138	138
PLANNED	1/25/2018	3	207	69
CUSTOMER REQUEST	1/25/2018	1	200	200
PLANNED	1/25/2018	1	68	68
CUSTOMER REQUEST	1/25/2018	1	223	223
PLANNED	1/25/2018	22	462	21
PLANNED	1/25/2018	1	56	56
PLANNED	1/25/2018	8	4,328	541
PLANNED	1/25/2018	4	2,164	541
PLANNED	1/25/2018	3	528	176
PLANNED	1/26/2018	2	304	152
PLANNED	1/26/2018	2	554	277
PLANNED	1/26/2018	138	9,246	67
PLANNED	1/26/2018	2	210	105
PLANNED	1/26/2018	1	191	191
PLANNED	1/26/2018	13	1,469	113
PLANNED	1/26/2018	5	690	138
PLANNED	1/26/2018	1	34	34
PLANNED	1/26/2018	25	2,225	89
PLANNED	1/26/2018	5	700	140
PLANNED	1/26/2018	21	2,499	119
PLANNED	1/26/2018	29	3,219	111
PLANNED	1/26/2018	8	296	37
PLANNED	1/26/2018	2	296	148
PLANNED	1/26/2018	6	720	120
PLANNED	1/26/2018	3	90	30
CUSTOMER REQUEST	1/26/2018	19	2,831	149
PLANNED	1/26/2018	1	63	63
CUSTOMER REQUEST	1/26/2018	18	540	30
CUSTOMER REQUEST	1/26/2018	12	24	2
PLANNED	1/26/2018	1	154	154
PLANNED	1/26/2018	2	364	182
PLANNED	1/26/2018	3	453	151
PLANNED	1/26/2018	2	208	104
PLANNED	1/26/2018	2	294	147
PLANNED	1/26/2018	76	32,452	427
CUSTOMER REQUEST	1/26/2018	19	2,945	155
PLANNED	1/26/2018	49	9,163	187
PLANNED	1/26/2018	1	88	88
CUSTOMER REQUEST	1/26/2018	12	432	36
PLANNED	1/26/2018	53	3,339	63
PLANNED	1/26/2018	49	2,597	53
PLANNED	1/26/2018	1	114	114
PLANNED	1/26/2018	9	117	13
PLANNED	1/26/2018	1	153	153
PLANNED	1/26/2018	1	42	42
PLANNED	1/26/2018	4	632	158
PLANNED	1/26/2018	8	456	57
PLANNED	1/26/2018	22	3,168	144

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/26/2018	1	49	49
PLANNED	1/26/2018	3	249	83
PLANNED	1/26/2018	6	1,590	265
PLANNED	1/26/2018	10	220	22
PLANNED	1/26/2018	1	284	284
PLANNED	1/26/2018	1	52	52
PLANNED	1/26/2018	4	156	39
PLANNED	1/26/2018	5	475	95
PLANNED	1/26/2018	6	360	60
PLANNED	1/26/2018	9	153	17
PLANNED	1/26/2018	1	47	47
PLANNED	1/26/2018	2	84	42
PLANNED	1/26/2018	4	120	30
PLANNED	1/26/2018	7	658	94
PLANNED	1/26/2018	5	85	17
PLANNED	1/26/2018	3	252	84
PLANNED	1/26/2018	2	114	57
PLANNED	1/26/2018	2	40	20
PLANNED	1/26/2018	10	130	13
PLANNED	1/26/2018	1	92	92
PLANNED	1/26/2018	2	170	85
PLANNED	1/26/2018	1	26	26
PLANNED	1/26/2018	1	82	82
CUSTOMER REQUEST	1/26/2018	1	270	270
PLANNED	1/26/2018	5	110	22
PLANNED	1/26/2018	1	77	77
PLANNED	1/26/2018	2	466	233
PLANNED	1/26/2018	3	105	35
PLANNED	1/26/2018	10	150	15
PLANNED	1/26/2018	1	39	39
PLANNED	1/26/2018	1	280	280
PLANNED	1/26/2018	1	70	70
PLANNED	1/26/2018	4	340	85
PLANNED	1/26/2018	7	91	13
PLANNED	1/26/2018	10	40	4
CUSTOMER REQUEST	1/26/2018	5	535	107
PLANNED	1/26/2018	4	88	22
PLANNED	1/26/2018	3	522	174
PLANNED	1/26/2018	1	22	22
CUSTOMER REQUEST	1/26/2018	1	241	241
PLANNED	1/26/2018	3	270	90
PLANNED	1/26/2018	7	889	127
PLANNED	1/26/2018	7	504	72
PLANNED	1/27/2018	4	644	161
PLANNED	1/27/2018	1	104	104
PLANNED	1/27/2018	1	56	56
PLANNED	1/27/2018	1	3	3
PLANNED	1/27/2018	2	80	40
PLANNED	1/27/2018	2	478	239
PLANNED	1/27/2018	9	918	102
PLANNED	1/27/2018	5	645	129

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/27/2018	6	1,104	184
PLANNED	1/27/2018	1	187	187
PLANNED	1/27/2018	13	1,469	113
CUSTOMER REQUEST	1/28/2018	1,131	63,023	568
PLANNED	1/28/2018	6	1,062	177
PLANNED	1/28/2018	20	900	45
PLANNED	1/28/2018	6	636	106
PLANNED	1/28/2018	9	558	62
PLANNED	1/28/2018	16	944	59
PLANNED	1/28/2018	20	7,600	380
PLANNED	1/28/2018	5	820	164
PLANNED	1/28/2018	1	29	29
PLANNED	1/28/2018	3	282	94
PLANNED	1/28/2018	2	140	70
CUSTOMER REQUEST	1/28/2018	1,246	26,166	21
PLANNED	1/28/2018	2	456	228
PLANNED	1/28/2018	9	108	12
PLANNED	1/28/2018	1	40	40
PLANNED	1/29/2018	8	88	11
PLANNED	1/29/2018	7	1,834	262
PLANNED	1/29/2018	5	315	63
PLANNED	1/29/2018	10	1,750	175
PLANNED	1/29/2018	1	566	566
CUSTOMER REQUEST	1/29/2018	1	5	5
PLANNED	1/29/2018	19	456	24
PLANNED	1/29/2018	5	85	17
PLANNED	1/29/2018	11	858	78
CUSTOMER REQUEST	1/29/2018	8	608	76
PLANNED	1/29/2018	6	456	76
PLANNED	1/29/2018	1	138	138
PLANNED	1/29/2018	1	275	275
PLANNED	1/29/2018	4	1,228	307
PLANNED	1/29/2018	8	224	28
CUSTOMER REQUEST	1/29/2018	8	8,618	1,430
PLANNED	1/29/2018	3	42	14
PLANNED	1/29/2018	15	1,350	90
PLANNED	1/29/2018	8	1,048	131
PLANNED	1/29/2018	8	904	113
PLANNED	1/29/2018	2	178	89
PLANNED	1/29/2018	42	4,788	114
PLANNED	1/29/2018	8	544	68
PLANNED	1/29/2018	4	200	50
PLANNED	1/29/2018	1	160	160
CUSTOMER REQUEST	1/29/2018	6	2,178	363
PLANNED	1/29/2018	2	324	162
PLANNED	1/29/2018	3	357	119
PLANNED	1/29/2018	21	1,428	68
PLANNED	1/29/2018	21	1,428	68
PLANNED	1/29/2018	3	18	6
CUSTOMER REQUEST	1/29/2018	2	8	4
PLANNED	1/29/2018	1	99	99

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/29/2018	1	8	8
PLANNED	1/29/2018	3	852	284
PLANNED	1/29/2018	11	847	77
PLANNED	1/29/2018	10	770	77
PLANNED	1/29/2018	1	46	46
PLANNED	1/29/2018	2	36	18
PLANNED	1/29/2018	5	235	47
PLANNED	1/29/2018	93	2,604	28
PLANNED	1/29/2018	1	65	65
CUSTOMER REQUEST	1/29/2018	386	35,898	93
PLANNED	1/29/2018	17	629	37
PLANNED	1/29/2018	3	78	26
PLANNED	1/29/2018	2	54	27
PLANNED	1/29/2018	1	54	54
PLANNED	1/29/2018	5	340	68
PLANNED	1/29/2018	8	544	68
CUSTOMER REQUEST	1/29/2018	1	293	293
PLANNED	1/29/2018	11	22	2
PLANNED	1/29/2018	1	62	62
PLANNED	1/29/2018	4	932	233
PLANNED	1/29/2018	4	100	25
PLANNED	1/29/2018	7	847	121
PLANNED	1/29/2018	1	11	11
PLANNED	1/29/2018	6	312	52
PLANNED	1/29/2018	16	672	42
PLANNED	1/29/2018	2	136	68
PLANNED	1/29/2018	20	2,020	101
PLANNED	1/29/2018	23	207	9
PLANNED	1/29/2018	21	4,599	219
PLANNED	1/29/2018	21	3,003	143
PLANNED	1/29/2018	2	92	46
PLANNED	1/29/2018	10	800	80
CUSTOMER REQUEST	1/29/2018	4	76	19
PLANNED	1/29/2018	1	140	140
PLANNED	1/29/2018	2	498	249
PLANNED	1/29/2018	10	960	96
PLANNED	1/29/2018	8	784	98
PLANNED	1/29/2018	9	126	14
PLANNED	1/29/2018	1	46	46
PLANNED	1/29/2018	8	952	119
PLANNED	1/29/2018	11	462	42
PLANNED	1/29/2018	4	736	184
PLANNED	1/29/2018	7	1,883	269
PLANNED	1/29/2018	5	955	191
PLANNED	1/29/2018	1	35	35
CUSTOMER REQUEST	1/29/2018	3	27	9
PLANNED	1/29/2018	1	212	212
PLANNED	1/29/2018	10	930	93
PLANNED	1/30/2018	1	49	49
PLANNED	1/30/2018	1	171	171
PLANNED	1/30/2018	4	116	29

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/30/2018	1	30	30
PLANNED	1/30/2018	18	828	46
PLANNED	1/30/2018	1	117	117
PLANNED	1/30/2018	7	364	52
PLANNED	1/30/2018	7	448	64
PLANNED	1/30/2018	4	1,032	258
PLANNED	1/30/2018	16	1,440	90
PLANNED	1/30/2018	6	462	77
PLANNED	1/30/2018	1	149	149
PLANNED	1/30/2018	3	183	61
PLANNED	1/30/2018	4	60	15
PLANNED	1/30/2018	1	35	35
PLANNED	1/30/2018	1	74	74
PLANNED	1/30/2018	13	377	29
PLANNED	1/30/2018	3	531	177
PLANNED	1/30/2018	2	238	119
PLANNED	1/30/2018	4	706	193
PLANNED	1/30/2018	2	70	35
CUSTOMER REQUEST	1/30/2018	16	1,808	113
PLANNED	1/30/2018	10	860	86
PLANNED	1/30/2018	2	42	21
PLANNED	1/30/2018	12	900	75
PLANNED	1/30/2018	14	2,100	150
PLANNED	1/30/2018	16	528	33
PLANNED	1/30/2018	16	16	97
PLANNED	1/30/2018	3	99	33
PLANNED	1/30/2018	12	1,644	137
CUSTOMER REQUEST	1/30/2018	8	1,776	222
PLANNED	1/30/2018	10	970	97
PLANNED	1/30/2018	13	260	20
PLANNED	1/30/2018	11	1,705	155
PLANNED	1/30/2018	3	180	60
PLANNED	1/30/2018	4	740	185
PLANNED	1/30/2018	2	58	29
PLANNED	1/30/2018	7	1,155	165
PLANNED	1/30/2018	8	432	54
PLANNED	1/30/2018	7	231	33
PLANNED	1/30/2018	1	41	41
PLANNED	1/30/2018	3	114	38
PLANNED	1/30/2018	1	65	65
PLANNED	1/30/2018	7	560	80
PLANNED	1/30/2018	6	420	70
PLANNED	1/30/2018	85	18,615	219
PLANNED	1/30/2018	39	351	9
PLANNED	1/30/2018	4	472	118
PLANNED	1/30/2018	7	413	59
PLANNED	1/30/2018	3	408	136
PLANNED	1/30/2018	1	112	112
PLANNED	1/30/2018	3	222	74
PLANNED	1/30/2018	13	1,664	128
PLANNED	1/30/2018	3	342	114

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/30/2018	6	168	28
PLANNED	1/30/2018	4	1,584	473
PLANNED	1/30/2018	8	1,888	236
PLANNED	1/30/2018	9	1,296	144
CUSTOMER REQUEST	1/30/2018	4	20	5
PLANNED	1/30/2018	6	450	75
PLANNED	1/30/2018	6	450	75
PLANNED	1/30/2018	1	59	59
PLANNED	1/30/2018	9	144	16
PLANNED	1/30/2018	18	1,260	70
PLANNED	1/30/2018	1	92	92
PLANNED	1/30/2018	5	255	51
PLANNED	1/30/2018	9	1,836	204
PLANNED	1/30/2018	3	525	175
PLANNED	1/30/2018	10	650	65
PLANNED	1/30/2018	19	893	47
PLANNED	1/30/2018	8	1,048	131
PLANNED	1/30/2018	4	204	51
PLANNED	1/30/2018	1	117	117
PLANNED	1/30/2018	8	368	46
CUSTOMER REQUEST	1/30/2018	4	76	19
PLANNED	1/30/2018	1	207	207
PLANNED	1/30/2018	3	48	16
PLANNED	1/30/2018	9	9	1
PLANNED	1/30/2018	7	91	13
CUSTOMER REQUEST	1/30/2018	2	84	42
PLANNED	1/30/2018	1	108	108
CUSTOMER REQUEST	1/30/2018	25	5,500	220
PLANNED	1/30/2018	2	96	48
PLANNED	1/30/2018	1	40	40
PLANNED	1/30/2018	10	30	3
PLANNED	1/30/2018	1	58	58
PLANNED	1/30/2018	12	612	51
PLANNED	1/30/2018	4	508	127
PLANNED	1/30/2018	1	169	169
PLANNED	1/30/2018	16	928	58
PLANNED	1/30/2018	7	973	139
CUSTOMER REQUEST	1/31/2018	12	828	69
PLANNED	1/31/2018	6	504	84
PLANNED	1/31/2018	51	2,856	56
PLANNED	1/31/2018	2	72	36
PLANNED	1/31/2018	3	375	125
PLANNED	1/31/2018	6	186	31
PLANNED	1/31/2018	8	1,024	128
PLANNED	1/31/2018	3	87	29
PLANNED	1/31/2018	25	1,950	78
CUSTOMER REQUEST	1/31/2018	1	184	184
PLANNED	1/31/2018	6	408	68
PLANNED	1/31/2018	5	915	183
PLANNED	1/31/2018	1	23	23
CUSTOMER REQUEST	1/31/2018	21	4,053	193

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/31/2018	16	384	24
PLANNED	1/31/2018	1	134	134
PLANNED	1/31/2018	1	48	48
PLANNED	1/31/2018	4	908	227
PLANNED	1/31/2018	11	1,639	149
PLANNED	1/31/2018	13	715	55
PLANNED	1/31/2018	4	20	5
PLANNED	1/31/2018	2	378	189
PLANNED	1/31/2018	1	131	131
PLANNED	1/31/2018	8	1,336	167
PLANNED	1/31/2018	4	548	137
PLANNED	1/31/2018	2	526	263
PLANNED	1/31/2018	3	33	11
PLANNED	1/31/2018	1	119	119
PLANNED	1/31/2018	1	141	141
PLANNED	1/31/2018	3	606	202
PLANNED	1/31/2018	3	87	29
PLANNED	1/31/2018	76	5,092	67
CUSTOMER REQUEST	1/31/2018	8	24	3
PLANNED	1/31/2018	10	170	17
PLANNED	1/31/2018	17	1,241	73
PLANNED	1/31/2018	8	1,088	136
PLANNED	1/31/2018	4	164	41
PLANNED	1/31/2018	7	1,995	285
PLANNED	1/31/2018	1	117	117
PLANNED	1/31/2018	29	2,639	91
PLANNED	1/31/2018	3	270	90
PLANNED	1/31/2018	30	8,760	292
PLANNED	1/31/2018	1	42	42
PLANNED	1/31/2018	4	268	67
PLANNED	1/31/2018	6	54	9
PLANNED	1/31/2018	9	1,458	162
CUSTOMER REQUEST	1/31/2018	5	50	10
PLANNED	1/31/2018	2	198	99
CUSTOMER REQUEST	1/31/2018	21	21	1
CUSTOMER REQUEST	1/31/2018	21	42	2
CUSTOMER REQUEST	1/31/2018	21	19,175	1,467
PLANNED	1/31/2018	37	5,624	152
PLANNED	1/31/2018	1	87	87
CUSTOMER REQUEST	1/31/2018	1	25	25
PLANNED	1/31/2018	12	1,704	142
PLANNED	1/31/2018	3	18	6
PLANNED	1/31/2018	3	654	218
PLANNED	1/31/2018	4	1,216	304
PLANNED	1/31/2018	1	89	89
PLANNED	1/31/2018	32	3,424	107
PLANNED	1/31/2018	8	592	74
PLANNED	1/31/2018	1	77	77
PLANNED	1/31/2018	2	270	135
PLANNED	1/31/2018	9	1,440	160
PLANNED	1/31/2018	4	344	86

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	1/31/2018	8	160	20
PLANNED	1/31/2018	6	1,674	279
PLANNED	1/31/2018	1	65	65
PLANNED	1/31/2018	10	90	9
PLANNED	1/31/2018	10	1,760	176
PLANNED	1/31/2018	13	130	10
CUSTOMER REQUEST	1/31/2018	8	280	35
PLANNED	1/31/2018	7	28	4
PLANNED	1/31/2018	7	371	53
PLANNED	1/31/2018	3	330	110
PLANNED	1/31/2018	6	1,674	279
PLANNED	1/31/2018	2	78	39
PLANNED	1/31/2018	1	34	34
PLANNED	1/31/2018	1	42	42
CUSTOMER REQUEST	1/31/2018	4	136	34
PLANNED	1/31/2018	4	644	161
PLANNED	1/31/2018	4	428	107
PLANNED	1/31/2018	1	8	8
CUSTOMER REQUEST	1/31/2018	221	40,443	183
PLANNED	1/31/2018	1	400	400
PLANNED	2/1/2018	3	3,867	1,289
PLANNED	2/1/2018	1	133	133
PLANNED	2/1/2018	3	201	67
PLANNED	2/1/2018	1	65	65
PLANNED	2/1/2018	6	1,644	274
PLANNED	2/1/2018	8	1,544	193
PLANNED	2/1/2018	22	242	11
PLANNED	2/1/2018	10	750	75
PLANNED	2/1/2018	2	88	44
CUSTOMER REQUEST	2/1/2018	4	2,372	593
PLANNED	2/1/2018	13	884	68
PLANNED	2/1/2018	11	550	50
PLANNED	2/1/2018	13	5,174	398
PLANNED	2/1/2018	1	81	81
PLANNED	2/1/2018	1	108	108
PLANNED	2/1/2018	3	150	50
PLANNED	2/1/2018	8	560	70
PLANNED	2/1/2018	1	136	136
PLANNED	2/1/2018	1	47	47
PLANNED	2/1/2018	2	316	158
PLANNED	2/1/2018	11	528	48
PLANNED	2/1/2018	24	3,168	132
PLANNED	2/1/2018	2	176	88
PLANNED	2/1/2018	1	93	93
PLANNED	2/1/2018	8	1,504	188
PLANNED	2/1/2018	15	2,820	188
PLANNED	2/1/2018	6	672	112
PLANNED	2/1/2018	10	1,390	139
PLANNED	2/1/2018	7	329	47
PLANNED	2/1/2018	3	66	22
PLANNED	2/1/2018	4	400	100

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/1/2018	2	340	170
PLANNED	2/1/2018	3	609	203
PLANNED	2/1/2018	3	15	5
PLANNED	2/1/2018	10	320	32
PLANNED	2/1/2018	4	288	72
PLANNED	2/1/2018	4	192	48
PLANNED	2/1/2018	15	375	25
PLANNED	2/1/2018	11	440	40
PLANNED	2/1/2018	7	567	81
CUSTOMER REQUEST	2/1/2018	29	812	28
PLANNED	2/1/2018	2	606	303
PLANNED	2/1/2018	2	98	49
PLANNED	2/1/2018	1	197	197
PLANNED	2/1/2018	10	480	48
PLANNED	2/1/2018	15	285	19
PLANNED	2/1/2018	1	28	28
PLANNED	2/1/2018	1	155	155
PLANNED	2/1/2018	6	1,440	240
PLANNED	2/1/2018	2	160	80
PLANNED	2/1/2018	2	240	120
PLANNED	2/1/2018	4	528	132
PLANNED	2/1/2018	6	780	130
PLANNED	2/1/2018	24	1,752	73
PLANNED	2/1/2018	1	140	140
PLANNED	2/1/2018	13	1,144	88
PLANNED	2/1/2018	29	377	13
PLANNED	2/1/2018	1	86	86
PLANNED	2/1/2018	26	8,788	338
PLANNED	2/1/2018	5	165	33
PLANNED	2/1/2018	13	455	35
PLANNED	2/1/2018	8	392	49
PLANNED	2/1/2018	5	20	4
PLANNED	2/1/2018	14	784	56
PLANNED	2/1/2018	5	860	172
PLANNED	2/1/2018	1	40	40
PLANNED	2/1/2018	8	1,224	153
PLANNED	2/1/2018	1	83	83
PLANNED	2/1/2018	5	55	11
PLANNED	2/1/2018	37	10,101	273
PLANNED	2/1/2018	6	1,170	195
PLANNED	2/1/2018	5	865	173
PLANNED	2/1/2018	10	1,200	120
PLANNED	2/1/2018	3	105	35
PLANNED	2/1/2018	9	1,692	188
PLANNED	2/1/2018	6	696	116
PLANNED	2/1/2018	4	396	99
PLANNED	2/1/2018	4	228	57
PLANNED	2/1/2018	1	34	34
PLANNED	2/1/2018	10	110	11
PLANNED	2/1/2018	14	630	45
PLANNED	2/1/2018	23	1,633	71

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/1/2018	4	504	126
PLANNED	2/1/2018	1	15	15
PLANNED	2/1/2018	1	49	49
PLANNED	2/1/2018	1	49	49
PLANNED	2/1/2018	6	72	12
PLANNED	2/1/2018	2	58	29
PLANNED	2/1/2018	12	912	76
PLANNED	2/1/2018	4	700	175
PLANNED	2/1/2018	1	128	128
PLANNED	2/1/2018	1	41	41
CUSTOMER REQUEST	2/1/2018	8	144	18
CUSTOMER REQUEST	2/1/2018	1	63	63
PLANNED	2/1/2018	1	220	220
PLANNED	2/1/2018	1	228	228
PLANNED	2/1/2018	3	219	73
PLANNED	2/1/2018	12	2,532	211
PLANNED	2/1/2018	1	106	106
PLANNED	2/1/2018	14	310	137
PLANNED	2/2/2018	1	93	93
PLANNED	2/2/2018	2	422	211
CUSTOMER REQUEST	2/2/2018	5	1,465	293
PLANNED	2/2/2018	2	196	98
PLANNED	2/2/2018	1	84	84
PLANNED	2/2/2018	2	206	103
PLANNED	2/2/2018	4	332	83
PLANNED	2/2/2018	6	162	27
PLANNED	2/2/2018	8	280	35
PLANNED	2/2/2018	9	351	39
PLANNED	2/2/2018	2	360	180
CUSTOMER REQUEST	2/2/2018	8	648	81
PLANNED	2/2/2018	4	452	113
PLANNED	2/2/2018	1	24	24
PLANNED	2/2/2018	1	98	98
PLANNED	2/2/2018	3	192	64
PLANNED	2/2/2018	13	3,172	244
PLANNED	2/2/2018	8	2,048	256
PLANNED	2/2/2018	1	90	90
PLANNED	2/2/2018	3	96	32
PLANNED	2/2/2018	6	306	51
PLANNED	2/2/2018	7	154	22
PLANNED	2/2/2018	5	755	151
PLANNED	2/2/2018	1	150	150
PLANNED	2/2/2018	8	1,824	228
PLANNED	2/2/2018	4	280	70
PLANNED	2/2/2018	5	1,280	256
PLANNED	2/2/2018	1	127	127
CUSTOMER REQUEST	2/2/2018	15	210	14
PLANNED	2/2/2018	2	122	61
PLANNED	2/2/2018	6	552	92
PLANNED	2/2/2018	2	374	187
PLANNED	2/2/2018	2	318	159

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/2/2018	24	4,272	178
CUSTOMER REQUEST	2/2/2018	19	228	12
PLANNED	2/2/2018	14	448	32
PLANNED	2/2/2018	4	616	154
PLANNED	2/2/2018	36	7,020	195
PLANNED	2/2/2018	14	546	39
PLANNED	2/2/2018	13	2,899	223
PLANNED	2/2/2018	4	1,152	288
PLANNED	2/2/2018	2	22	11
PLANNED	2/2/2018	5	55	11
PLANNED	2/2/2018	2	30	15
PLANNED	2/2/2018	8	1,528	191
PLANNED	2/2/2018	1	11	11
PLANNED	2/2/2018	6	180	30
CUSTOMER REQUEST	2/2/2018	8	48	6
PLANNED	2/2/2018	4	76	19
PLANNED	2/2/2018	19	551	29
PLANNED	2/2/2018	12	132	11
PLANNED	2/2/2018	2	284	142
PLANNED	2/2/2018	1	139	139
PLANNED	2/2/2018	8	920	115
PLANNED	2/3/2018	1	265	265
PLANNED	2/3/2018	1	201	201
PLANNED	2/3/2018	6	312	52
CUSTOMER REQUEST	2/3/2018	1	111	111
PLANNED	2/3/2018	1	383	383
PLANNED	2/3/2018	1	332	332
PLANNED	2/3/2018	2	216	108
PLANNED	2/3/2018	1	882	882
PLANNED	2/3/2018	10	180	18
PLANNED	2/3/2018	12	300	25
PLANNED	2/3/2018	8	1,296	162
PLANNED	2/3/2018	7	1,603	229
PLANNED	2/3/2018	3	312	104
PLANNED	2/3/2018	1	167	167
PLANNED	2/3/2018	1	75	75
PLANNED	2/3/2018	1	125	125
PLANNED	2/4/2018	1	64	64
PLANNED	2/4/2018	19	12,483	657
PLANNED	2/4/2018	15	840	56
PLANNED	2/4/2018	1	165	165
PLANNED	2/4/2018	6	60	10
PLANNED	2/4/2018	2	664	332
PLANNED	2/4/2018	2	162	81
PLANNED	2/4/2018	1	233	233
CUSTOMER REQUEST	2/4/2018	7	168	24
PLANNED	2/4/2018	10	570	57
PLANNED	2/4/2018	10	4,650	465
PLANNED	2/4/2018	1	66	66
PLANNED	2/5/2018	1	30	30
PLANNED	2/5/2018	5	255	51

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/5/2018	6	294	49
PLANNED	2/5/2018	8	408	51
PLANNED	2/5/2018	1	176	176
PLANNED	2/5/2018	1	149	149
PLANNED	2/5/2018	6	948	158
PLANNED	2/5/2018	7	28	4
PLANNED	2/5/2018	9	711	79
PLANNED	2/5/2018	8	64	8
PLANNED	2/5/2018	2	504	252
PLANNED	2/5/2018	4	584	146
PLANNED	2/5/2018	3	213	71
PLANNED	2/5/2018	9	1,008	112
PLANNED	2/5/2018	3	105	35
CUSTOMER REQUEST	2/5/2018	31	341	11
PLANNED	2/5/2018	2	262	131
PLANNED	2/5/2018	2	78	39
PLANNED	2/5/2018	4	752	188
PLANNED	2/5/2018	9	54	6
PLANNED	2/5/2018	1	57	57
PLANNED	2/5/2018	6	252	42
CUSTOMER REQUEST	2/5/2018	2	5,846	2,923
PLANNED	2/5/2018	1	222	222
PLANNED	2/5/2018	1	101	101
CUSTOMER REQUEST	2/5/2018	7	189	27
PLANNED	2/5/2018	10	580	58
PLANNED	2/5/2018	4	100	25
PLANNED	2/5/2018	15	60	4
CUSTOMER REQUEST	2/5/2018	6	48	8
PLANNED	2/5/2018	9	513	57
PLANNED	2/5/2018	2	320	160
PLANNED	2/5/2018	6	282	47
PLANNED	2/5/2018	6	408	68
PLANNED	2/5/2018	13	143	11
PLANNED	2/5/2018	6	726	121
PLANNED	2/5/2018	8	1,168	146
PLANNED	2/5/2018	9	1,215	135
PLANNED	2/5/2018	4	152	38
PLANNED	2/5/2018	10	120	12
PLANNED	2/5/2018	2	190	95
PLANNED	2/5/2018	5	685	137
PLANNED	2/5/2018	6	654	109
PLANNED	2/5/2018	8	88	11
PLANNED	2/5/2018	5	260	52
PLANNED	2/5/2018	7	315	45
PLANNED	2/5/2018	8	600	75
PLANNED	2/5/2018	11	429	39
PLANNED	2/5/2018	14	1,036	74
PLANNED	2/5/2018	1	54	54
PLANNED	2/5/2018	5	190	38
PLANNED	2/5/2018	3	75	25
PLANNED	2/5/2018	6	432	72

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/5/2018	4	220	55
PLANNED	2/5/2018	7	294	42
PLANNED	2/5/2018	2	422	211
PLANNED	2/5/2018	1	210	210
PLANNED	2/5/2018	7	350	50
PLANNED	2/5/2018	8	264	33
PLANNED	2/5/2018	4	544	136
PLANNED	2/5/2018	9	27	3
PLANNED	2/5/2018	11	1,155	105
PLANNED	2/5/2018	5	255	51
PLANNED	2/5/2018	2	28	14
PLANNED	2/5/2018	6	498	83
CUSTOMER REQUEST	2/5/2018	1	455	455
PLANNED	2/5/2018	29	2,784	96
PLANNED	2/5/2018	3	483	161
PLANNED	2/5/2018	4	108	27
PLANNED	2/6/2018	1	53	53
PLANNED	2/6/2018	2	118	59
PLANNED	2/6/2018	6	1,248	208
PLANNED	2/6/2018	5	340	68
PLANNED	2/6/2018	6	216	36
PLANNED	2/6/2018	1	91	91
CUSTOMER REQUEST	2/6/2018	1	836	836
PLANNED	2/6/2018	3	150	50
PLANNED	2/6/2018	12	1,380	115
PLANNED	2/6/2018	1	89	89
PLANNED	2/6/2018	111	33,300	300
PLANNED	2/6/2018	4	496	124
PLANNED	2/6/2018	6	378	63
PLANNED	2/6/2018	4	4	1
PLANNED	2/6/2018	1	223	223
CUSTOMER REQUEST	2/6/2018	6	228	38
PLANNED	2/6/2018	12	732	61
PLANNED	2/6/2018	68	4,981	80
CUSTOMER REQUEST	2/6/2018	5	75	15
CUSTOMER REQUEST	2/6/2018	1	199	199
PLANNED	2/6/2018	6	1,158	193
PLANNED	2/6/2018	8	856	107
PLANNED	2/6/2018	1	171	171
PLANNED	2/6/2018	6	918	153
PLANNED	2/6/2018	3	171	57
PLANNED	2/6/2018	2	78	39
PLANNED	2/6/2018	5	695	139
PLANNED	2/6/2018	30	3,390	113
PLANNED	2/6/2018	1	234	234
PLANNED	2/6/2018	14	1,806	129
PLANNED	2/6/2018	11	484	44
PLANNED	2/6/2018	8	624	78
PLANNED	2/6/2018	7	532	76
PLANNED	2/6/2018	5	360	72
PLANNED	2/6/2018	2	10	5

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/6/2018	4	288	72
PLANNED	2/6/2018	72	4,104	57
PLANNED	2/6/2018	164	21,812	133
PLANNED	2/6/2018	10	1,520	152
PLANNED	2/6/2018	15	120	8
PLANNED	2/6/2018	1	151	151
PLANNED	2/6/2018	1	39	39
PLANNED	2/6/2018	11	1,221	111
PLANNED	2/6/2018	2	150	75
PLANNED	2/6/2018	3	42	14
PLANNED	2/6/2018	9	1,548	172
PLANNED	2/6/2018	8	616	77
PLANNED	2/6/2018	9	486	54
PLANNED	2/6/2018	2	112	56
CUSTOMER REQUEST	2/6/2018	6	36	6
PLANNED	2/6/2018	9	1,053	117
PLANNED	2/6/2018	19	10,260	540
PLANNED	2/6/2018	14	2,688	192
PLANNED	2/6/2018	8	1,280	160
PLANNED	2/6/2018	12	1,440	120
PLANNED	2/6/2018	5	240	48
PLANNED	2/6/2018	1	59	59
PLANNED	2/6/2018	4	152	38
PLANNED	2/6/2018	4	156	39
PLANNED	2/6/2018	5	20	4
PLANNED	2/6/2018	3	117	39
PLANNED	2/6/2018	2	64	32
PLANNED	2/6/2018	10	430	43
PLANNED	2/6/2018	15	1,455	97
PLANNED	2/6/2018	4	228	57
PLANNED	2/6/2018	4	224	56
PLANNED	2/6/2018	2	362	181
PLANNED	2/6/2018	4	320	80
PLANNED	2/6/2018	7	1,260	180
PLANNED	2/6/2018	7	889	127
PLANNED	2/6/2018	9	756	84
PLANNED	2/6/2018	10	330	33
PLANNED	2/6/2018	11	88	8
PLANNED	2/6/2018	6	960	160
PLANNED	2/6/2018	8	1,424	178
PLANNED	2/6/2018	14	1,288	92
PLANNED	2/6/2018	18	1,062	59
PLANNED	2/6/2018	18	1,062	59
PLANNED	2/6/2018	15	180	12
PLANNED	2/6/2018	35	4,270	122
PLANNED	2/6/2018	9	1,521	169
PLANNED	2/6/2018	10	1,020	102
PLANNED	2/6/2018	1	106	106
CUSTOMER REQUEST	2/6/2018	5	25	5
PLANNED	2/6/2018	73	4,818	66
PLANNED	2/6/2018	2	90	45

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/6/2018	2	402	201
PLANNED	2/6/2018	14	126	9
PLANNED	2/6/2018	16	1,312	82
PLANNED	2/6/2018	32	224	7
PLANNED	2/6/2018	18	360	20
PLANNED	2/6/2018	34	204	6
PLANNED	2/6/2018	8	720	90
CUSTOMER REQUEST	2/6/2018	1	143	143
PLANNED	2/6/2018	2	204	102
CUSTOMER REQUEST	2/6/2018	6	1,074	179
PLANNED	2/6/2018	1	86	86
PLANNED	2/6/2018	1	75	75
PLANNED	2/6/2018	26	624	24
PLANNED	2/6/2018	1	231	231
PLANNED	2/6/2018	1	121	121
CUSTOMER REQUEST	2/6/2018	1	343	343
CUSTOMER REQUEST	2/7/2018	1	322	322
PLANNED	2/7/2018	1	190	190
PLANNED	2/7/2018	1	132	132
PLANNED	2/7/2018	3	453	151
PLANNED	2/7/2018	5	825	165
PLANNED	2/7/2018	8	768	96
PLANNED	2/7/2018	15	1,005	67
PLANNED	2/7/2018	1	121	121
PLANNED	2/7/2018	5	275	55
PLANNED	2/7/2018	5	535	107
PLANNED	2/7/2018	14	588	42
PLANNED	2/7/2018	7	1,519	217
PLANNED	2/7/2018	10	470	47
PLANNED	2/7/2018	9	783	87
PLANNED	2/7/2018	30	4,470	149
PLANNED	2/7/2018	4	124	31
PLANNED	2/7/2018	11	539	49
PLANNED	2/7/2018	110	25,520	232
PLANNED	2/7/2018	7	1,407	201
CUSTOMER REQUEST	2/7/2018	8	128	16
PLANNED	2/7/2018	10	3,450	345
PLANNED	2/7/2018	1	39	39
PLANNED	2/7/2018	14	154	11
PLANNED	2/7/2018	2	92	46
PLANNED	2/7/2018	4	284	71
CUSTOMER REQUEST	2/7/2018	6	384	64
PLANNED	2/7/2018	1	120	120
PLANNED	2/7/2018	5	185	37
PLANNED	2/7/2018	1	55	55
CUSTOMER REQUEST	2/7/2018	11	1,694	154
PLANNED	2/7/2018	2	236	118
PLANNED	2/7/2018	1	100	100
PLANNED	2/7/2018	2	134	67
PLANNED	2/7/2018	2	338	169
PLANNED	2/7/2018	6	72	12

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/7/2018	54	6,210	115
PLANNED	2/7/2018	2	298	149
PLANNED	2/7/2018	6	6	1
PLANNED	2/7/2018	8	1,568	196
PLANNED	2/7/2018	1	41	41
PLANNED	2/7/2018	18	1,098	61
PLANNED	2/7/2018	4	84	21
PLANNED	2/7/2018	18	2,430	135
PLANNED	2/7/2018	5	875	175
PLANNED	2/7/2018	12	1,512	126
PLANNED	2/7/2018	1	24	24
PLANNED	2/7/2018	5	135	27
CUSTOMER REQUEST	2/7/2018	7	231	33
PLANNED	2/7/2018	9	27	3
PLANNED	2/7/2018	12	1,860	155
PLANNED	2/7/2018	2	28	14
PLANNED	2/7/2018	25	3,300	132
PLANNED	2/7/2018	2	66	33
PLANNED	2/7/2018	7	1,519	217
CUSTOMER REQUEST	2/7/2018	16	368	23
PLANNED	2/7/2018	47	9,165	195
PLANNED	2/7/2018	1	37	37
PLANNED	2/7/2018	8	64	8
PLANNED	2/7/2018	6	240	40
PLANNED	2/7/2018	17	595	35
PLANNED	2/7/2018	2	20	10
PLANNED	2/7/2018	37	4,403	119
PLANNED	2/7/2018	43	8,978	221
PLANNED	2/7/2018	1	11	11
PLANNED	2/7/2018	1	61	61
PLANNED	2/7/2018	4	128	32
PLANNED	2/7/2018	3	390	130
PLANNED	2/7/2018	4	108	27
PLANNED	2/7/2018	2	136	68
PLANNED	2/7/2018	15	570	38
PLANNED	2/7/2018	55	1,595	29
PLANNED	2/7/2018	2	218	109
PLANNED	2/7/2018	2	318	159
PLANNED	2/7/2018	7	623	89
PLANNED	2/7/2018	5	500	100
PLANNED	2/7/2018	5	100	20
PLANNED	2/7/2018	2	38	19
PLANNED	2/7/2018	3	57	19
PLANNED	2/7/2018	1	93	93
PLANNED	2/7/2018	3	42	14
PLANNED	2/7/2018	2	248	124
PLANNED	2/7/2018	7	672	96
PLANNED	2/7/2018	2	220	110
PLANNED	2/7/2018	10	40	4
PLANNED	2/7/2018	16	1,312	82
PLANNED	2/7/2018	1	86	86

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/7/2018	10	1,050	105
PLANNED	2/7/2018	6	42	7
PLANNED	2/7/2018	4	104	26
PLANNED	2/7/2018	9	756	84
PLANNED	2/7/2018	9	144	16
PLANNED	2/7/2018	8	120	15
PLANNED	2/7/2018	2	74	37
PLANNED	2/7/2018	12	912	76
PLANNED	2/7/2018	8	56	7
PLANNED	2/7/2018	2	114	57
PLANNED	2/7/2018	2	44	22
PLANNED	2/7/2018	8	640	80
PLANNED	2/7/2018	2	24	12
CUSTOMER REQUEST	2/7/2018	1	194	194
PLANNED	2/7/2018	11	242	22
PLANNED	2/7/2018	2	94	47
PLANNED	2/7/2018	4	228	57
PLANNED	2/7/2018	1	93	93
PLANNED	2/7/2018	1	42	42
PLANNED	2/7/2018	7	728	104
PLANNED	2/7/2018	3	375	125
PLANNED	2/7/2018	2	444	222
PLANNED	2/7/2018	1	89	89
PLANNED	2/7/2018	1	125	125
PLANNED	2/8/2018	7	1,561	223
PLANNED	2/8/2018	2	222	111
PLANNED	2/8/2018	2	468	234
PLANNED	2/8/2018	11	1,870	170
PLANNED	2/8/2018	1	111	111
PLANNED	2/8/2018	1	97	97
PLANNED	2/8/2018	1	73	73
PLANNED	2/8/2018	10	780	78
PLANNED	2/8/2018	1	126	126
PLANNED	2/8/2018	2	266	133
PLANNED	2/8/2018	3	108	36
PLANNED	2/8/2018	10	1,650	165
PLANNED	2/8/2018	5	830	166
PLANNED	2/8/2018	4	656	164
PLANNED	2/8/2018	5	820	164
PLANNED	2/8/2018	6	918	153
PLANNED	2/8/2018	6	96	16
PLANNED	2/8/2018	2	78	39
PLANNED	2/8/2018	6	1,968	328
PLANNED	2/8/2018	1	170	170
PLANNED	2/8/2018	10	1,020	102
PLANNED	2/8/2018	5	245	49
PLANNED	2/8/2018	2	164	82
PLANNED	2/8/2018	6	1,806	301
PLANNED	2/8/2018	3	84	28
PLANNED	2/8/2018	8	640	80
PLANNED	2/8/2018	12	576	48

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/8/2018	6	144	24
PLANNED	2/8/2018	16	160	10
PLANNED	2/8/2018	13	3,835	295
PLANNED	2/8/2018	24	4,248	177
PLANNED	2/8/2018	2	134	67
PLANNED	2/8/2018	21	21	1
PLANNED	2/8/2018	10	2,950	295
PLANNED	2/8/2018	7	2,331	333
PLANNED	2/8/2018	5	1,355	271
CUSTOMER REQUEST	2/8/2018	26	7,020	270
PLANNED	2/8/2018	3	492	164
PLANNED	2/8/2018	6	690	115
PLANNED	2/8/2018	6	810	135
PLANNED	2/8/2018	7	252	36
CUSTOMER REQUEST	2/8/2018	3	75	25
PLANNED	2/8/2018	8	24	3
PLANNED	2/8/2018	4	108	27
CUSTOMER REQUEST	2/8/2018	8	1,096	137
CUSTOMER REQUEST	2/8/2018	7	714	102
PLANNED	2/8/2018	33	9,636	292
CUSTOMER REQUEST	2/8/2018	9	2,466	274
CUSTOMER REQUEST	2/8/2018	4	24	6
PLANNED	2/8/2018	5	580	116
CUSTOMER REQUEST	2/8/2018	5	1,260	252
PLANNED	2/8/2018	4	492	123
PLANNED	2/8/2018	5	610	122
PLANNED	2/8/2018	3	36	12
PLANNED	2/8/2018	5	310	62
PLANNED	2/8/2018	16	2,976	186
PLANNED	2/8/2018	3	438	146
PLANNED	2/8/2018	14	2,730	195
PLANNED	2/8/2018	13	390	30
PLANNED	2/8/2018	3	540	180
PLANNED	2/8/2018	4	284	71
PLANNED	2/8/2018	68	11,424	168
PLANNED	2/8/2018	4	404	101
PLANNED	2/8/2018	1	41	41
PLANNED	2/8/2018	5	145	29
PLANNED	2/8/2018	2	720	360
PLANNED	2/8/2018	1	48	48
PLANNED	2/8/2018	1	204	204
PLANNED	2/8/2018	24	4,656	194
PLANNED	2/8/2018	1	108	108
PLANNED	2/8/2018	17	969	57
PLANNED	2/8/2018	1	107	107
PLANNED	2/8/2018	2	172	86
PLANNED	2/8/2018	12	840	70
PLANNED	2/8/2018	3	180	60
PLANNED	2/8/2018	2	70	35
PLANNED	2/8/2018	7	490	70
PLANNED	2/8/2018	11	913	83

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/8/2018	2	64	32
PLANNED	2/8/2018	30	7,080	236
PLANNED	2/8/2018	16	4,976	311
PLANNED	2/8/2018	3	189	63
PLANNED	2/8/2018	4	248	62
PLANNED	2/8/2018	1	108	108
PLANNED	2/8/2018	5	65	13
PLANNED	2/8/2018	4	212	53
PLANNED	2/8/2018	1	265	265
PLANNED	2/8/2018	1	62	62
PLANNED	2/8/2018	2	328	164
CUSTOMER REQUEST	2/8/2018	4	72	18
PLANNED	2/8/2018	10	560	56
PLANNED	2/8/2018	6	408	68
PLANNED	2/8/2018	9	756	84
PLANNED	2/8/2018	5	660	132
PLANNED	2/8/2018	1	41	41
PLANNED	2/8/2018	20	3,600	180
PLANNED	2/8/2018	7	322	46
PLANNED	2/8/2018	12	1,512	126
PLANNED	2/8/2018	5	345	69
PLANNED	2/8/2018	8	112	14
PLANNED	2/8/2018	34	8,262	243
PLANNED	2/8/2018	1	53	53
PLANNED	2/8/2018	4	636	159
CUSTOMER REQUEST	2/8/2018	8	96	12
PLANNED	2/8/2018	3	147	49
PLANNED	2/8/2018	5	195	39
PLANNED	2/8/2018	4	200	50
CUSTOMER REQUEST	2/8/2018	1	25	25
PLANNED	2/8/2018	5	395	79
CUSTOMER REQUEST	2/8/2018	1	667	667
PLANNED	2/8/2018	3	336	112
PLANNED	2/8/2018	4	596	149
PLANNED	2/8/2018	4	204	51
CUSTOMER REQUEST	2/8/2018	1	147	147
CUSTOMER REQUEST	2/8/2018	1	151	151
CUSTOMER REQUEST	2/8/2018	1	100	100
PLANNED	2/8/2018	1	28	28
PLANNED	2/8/2018	2	262	131
PLANNED	2/8/2018	1	61	61
PLANNED	2/8/2018	5	585	117
PLANNED	2/8/2018	2	72	36
PLANNED	2/8/2018	3	531	177
PLANNED	2/8/2018	2	506	253
PLANNED	2/8/2018	3	585	195
PLANNED	2/8/2018	2	422	211
PLANNED	2/8/2018	3	342	114
PLANNED	2/8/2018	1	104	104
PLANNED	2/9/2018	1	34	34
PLANNED	2/9/2018	13	2,353	181

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/9/2018	19	2,508	132
PLANNED	2/9/2018	5	790	158
PLANNED	2/9/2018	7	840	120
PLANNED	2/9/2018	2	112	56
PLANNED	2/9/2018	3	363	121
PLANNED	2/9/2018	5	765	153
PLANNED	2/9/2018	3	837	279
PLANNED	2/9/2018	12	672	56
PLANNED	2/9/2018	6	414	69
PLANNED	2/9/2018	10	480	48
PLANNED	2/9/2018	10	220	22
PLANNED	2/9/2018	2	340	170
PLANNED	2/9/2018	17	629	37
PLANNED	2/9/2018	7	294	42
PLANNED	2/9/2018	7	294	42
PLANNED	2/9/2018	13	1,014	78
PLANNED	2/9/2018	7	294	42
PLANNED	2/9/2018	7	294	42
PLANNED	2/9/2018	2	186	93
PLANNED	2/9/2018	2	190	95
PLANNED	2/9/2018	2	188	94
PLANNED	2/9/2018	11	2,431	221
PLANNED	2/9/2018	5	1,275	255
PLANNED	2/9/2018	11	253	23
PLANNED	2/9/2018	8	376	47
PLANNED	2/9/2018	49	5,439	111
PLANNED	2/9/2018	3	621	207
PLANNED	2/9/2018	5	315	63
PLANNED	2/9/2018	4	336	84
PLANNED	2/9/2018	15	2,925	195
PLANNED	2/9/2018	7	1,274	182
PLANNED	2/9/2018	10	900	90
PLANNED	2/9/2018	8	2,440	305
PLANNED	2/9/2018	24	5,832	243
PLANNED	2/9/2018	15	210	14
PLANNED	2/9/2018	24	408	17
PLANNED	2/9/2018	2	116	58
PLANNED	2/9/2018	1	68	68
PLANNED	2/9/2018	1	110	110
PLANNED	2/9/2018	4	48	12
PLANNED	2/9/2018	5	55	11
PLANNED	2/9/2018	2	126	63
PLANNED	2/9/2018	3	282	94
PLANNED	2/9/2018	11	473	43
PLANNED	2/9/2018	1	22	22
PLANNED	2/9/2018	10	430	43
CUSTOMER REQUEST	2/9/2018	4	216	54
PLANNED	2/9/2018	10	530	53
CUSTOMER REQUEST	2/9/2018	3	39	13
PLANNED	2/9/2018	11	891	81
PLANNED	2/9/2018	1	17	17

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/9/2018	4	804	201
PLANNED	2/9/2018	3	648	216
PLANNED	2/9/2018	20	860	43
PLANNED	2/9/2018	2	110	55
PLANNED	2/9/2018	3	87	29
PLANNED	2/9/2018	8	32	4
PLANNED	2/9/2018	1	62	62
PLANNED	2/9/2018	12	1,164	97
PLANNED	2/9/2018	7	567	81
PLANNED	2/9/2018	9	252	28
PLANNED	2/9/2018	1	19	19
CUSTOMER REQUEST	2/9/2018	7	441	63
PLANNED	2/10/2018	1	182	182
PLANNED	2/10/2018	1	175	175
PLANNED	2/10/2018	7	1,008	144
PLANNED	2/10/2018	18	1,854	103
PLANNED	2/10/2018	11	2,288	208
PLANNED	2/10/2018	8	3,128	391
PLANNED	2/10/2018	31	279	9
PLANNED	2/10/2018	2	368	184
PLANNED	2/10/2018	2	140	70
CUSTOMER REQUEST	2/10/2018	9	2,070	230
CUSTOMER REQUEST	2/10/2018	1,596	9,576	6
PLANNED	2/10/2018	6	984	164
PLANNED	2/10/2018	5	515	103
PLANNED	2/10/2018	3	276	92
PLANNED	2/10/2018	28	3,892	139
PLANNED	2/10/2018	6	1,266	211
PLANNED	2/10/2018	20	3,240	162
PLANNED	2/11/2018	14	84	6
PLANNED	2/11/2018	4	2,132	533
PLANNED	2/11/2018	20	1,980	99
PLANNED	2/11/2018	11	1,991	181
PLANNED	2/11/2018	4	188	47
PLANNED	2/11/2018	10	720	72
PLANNED	2/11/2018	1	53	53
PLANNED	2/11/2018	9	1,053	117
PLANNED	2/11/2018	121	8,794	315
PLANNED	2/12/2018	2	380	190
PLANNED	2/12/2018	2	180	90
PLANNED	2/12/2018	1	73	73
PLANNED	2/12/2018	3	529	200
PLANNED	2/12/2018	2	110	55
PLANNED	2/12/2018	15	945	63
PLANNED	2/12/2018	2	18	9
PLANNED	2/12/2018	11	572	52
PLANNED	2/12/2018	12	1,092	91
PLANNED	2/12/2018	12	1,080	90
PLANNED	2/12/2018	2	328	164
PLANNED	2/12/2018	6	600	100
PLANNED	2/12/2018	1	123	123

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/12/2018	8	64	8
PLANNED	2/12/2018	3	525	175
PLANNED	2/12/2018	8	2,080	260
PLANNED	2/12/2018	3	480	160
PLANNED	2/12/2018	4	1,036	259
PLANNED	2/12/2018	27	108	4
PLANNED	2/12/2018	8	2,056	257
PLANNED	2/12/2018	12	1,200	100
PLANNED	2/12/2018	8	792	99
PLANNED	2/12/2018	25	1,475	59
PLANNED	2/12/2018	3	303	101
PLANNED	2/12/2018	2	326	163
PLANNED	2/12/2018	2	266	133
PLANNED	2/12/2018	2	42	21
PLANNED	2/12/2018	1	95	95
PLANNED	2/12/2018	1	89	89
PLANNED	2/12/2018	1	88	88
PLANNED	2/12/2018	4	868	217
PLANNED	2/12/2018	8	16	2
PLANNED	2/12/2018	9	234	26
PLANNED	2/12/2018	4	684	171
PLANNED	2/12/2018	1	245	245
PLANNED	2/12/2018	2	338	169
PLANNED	2/12/2018	10	190	19
PLANNED	2/12/2018	3	333	111
PLANNED	2/12/2018	15	1,905	127
PLANNED	2/12/2018	12	1,032	86
PLANNED	2/12/2018	7	861	123
PLANNED	2/12/2018	6	366	61
PLANNED	2/12/2018	4	284	71
PLANNED	2/12/2018	2	28	14
PLANNED	2/12/2018	10	430	43
PLANNED	2/12/2018	15	2,910	194
PLANNED	2/12/2018	2	376	188
PLANNED	2/12/2018	4	108	27
PLANNED	2/12/2018	1	61	61
PLANNED	2/12/2018	8	424	53
PLANNED	2/12/2018	1	113	113
PLANNED	2/12/2018	21	1,491	71
PLANNED	2/12/2018	4	36	9
PLANNED	2/12/2018	2	24	12
PLANNED	2/12/2018	4	184	46
CUSTOMER REQUEST	2/12/2018	1	190	190
CUSTOMER REQUEST	2/12/2018	1	125	125
PLANNED	2/12/2018	2	118	59
PLANNED	2/12/2018	4	160	40
PLANNED	2/12/2018	1	10	10
PLANNED	2/12/2018	1	79	79
PLANNED	2/12/2018	8	232	29
PLANNED	2/12/2018	22	1,496	68
PLANNED	2/12/2018	12	648	54

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/12/2018	10	1,100	110
PLANNED	2/12/2018	11	110	10
PLANNED	2/12/2018	2	162	81
PLANNED	2/12/2018	1	18	18
PLANNED	2/12/2018	14	574	41
PLANNED	2/12/2018	4	504	126
PLANNED	2/12/2018	18	1,872	104
PLANNED	2/12/2018	1	85	85
PLANNED	2/12/2018	4	256	64
PLANNED	2/12/2018	9	207	23
PLANNED	2/12/2018	3	255	85
PLANNED	2/12/2018	8	912	114
PLANNED	2/12/2018	1	63	63
PLANNED	2/12/2018	7	1,463	209
PLANNED	2/12/2018	11	583	53
PLANNED	2/12/2018	13	2,743	211
PLANNED	2/12/2018	10	2,070	207
PLANNED	2/12/2018	17	748	44
PLANNED	2/12/2018	27	135	5
PLANNED	2/12/2018	3	165	55
PLANNED	2/12/2018	2	114	57
PLANNED	2/12/2018	8	992	124
PLANNED	2/12/2018	4	312	78
PLANNED	2/12/2018	11	66	6
PLANNED	2/12/2018	3	90	30
PLANNED	2/12/2018	3	369	123
PLANNED	2/12/2018	26	2,756	106
PLANNED	2/12/2018	24	1,296	54
CUSTOMER REQUEST	2/12/2018	1	154	154
CUSTOMER REQUEST	2/12/2018	1	439	439
CUSTOMER REQUEST	2/12/2018	4	1,884	471
PLANNED	2/13/2018	5	575	115
CUSTOMER REQUEST	2/13/2018	11	3,784	344
PLANNED	2/13/2018	6	1,326	221
PLANNED	2/13/2018	1	180	180
PLANNED	2/13/2018	1	678	678
PLANNED	2/13/2018	6	318	53
PLANNED	2/13/2018	62	3,968	64
PLANNED	2/13/2018	16	3,104	194
PLANNED	2/13/2018	7	1,477	211
PLANNED	2/13/2018	2	286	143
PLANNED	2/13/2018	1	132	132
PLANNED	2/13/2018	1	138	138
PLANNED	2/13/2018	2	126	63
PLANNED	2/13/2018	9	891	99
PLANNED	2/13/2018	7	693	99
PLANNED	2/13/2018	2	76	38
PLANNED	2/13/2018	1	240	240
PLANNED	2/13/2018	40	9,160	229
PLANNED	2/13/2018	4	296	74
PLANNED	2/13/2018	12	1,032	86

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/13/2018	2	140	70
PLANNED	2/13/2018	1	88	88
PLANNED	2/13/2018	12	1,032	86
PLANNED	2/13/2018	3	1,254	418
PLANNED	2/13/2018	6	708	118
PLANNED	2/13/2018	1	132	132
CUSTOMER REQUEST	2/13/2018	1	259	259
PLANNED	2/13/2018	2	68	34
PLANNED	2/13/2018	1	108	108
PLANNED	2/13/2018	9	603	67
PLANNED	2/13/2018	20	1,540	77
PLANNED	2/13/2018	4	1,412	353
PLANNED	2/13/2018	1	86	86
PLANNED	2/13/2018	3	309	103
PLANNED	2/13/2018	7	1,862	266
PLANNED	2/13/2018	4	420	105
PLANNED	2/13/2018	6	624	104
PLANNED	2/13/2018	4	424	106
PLANNED	2/13/2018	1	73	73
PLANNED	2/13/2018	7	119	17
PLANNED	2/13/2018	18	666	37
PLANNED	2/13/2018	6	90	15
PLANNED	2/13/2018	2	396	198
PLANNED	2/13/2018	42	6,846	163
PLANNED	2/13/2018	2	392	196
PLANNED	2/13/2018	17	1,309	77
PLANNED	2/13/2018	1	144	144
PLANNED	2/13/2018	2	270	135
PLANNED	2/13/2018	1	143	143
PLANNED	2/13/2018	1	142	142
PLANNED	2/13/2018	4	1,316	329
PLANNED	2/13/2018	72	24,984	347
PLANNED	2/13/2018	10	2,730	273
PLANNED	2/13/2018	7	1,344	192
PLANNED	2/13/2018	1	77	77
PLANNED	2/13/2018	6	624	104
PLANNED	2/13/2018	21	2,037	97
PLANNED	2/13/2018	3	18	6
PLANNED	2/13/2018	1	22	22
PLANNED	2/13/2018	1	143	143
PLANNED	2/13/2018	2	284	142
PLANNED	2/13/2018	12	1,404	117
PLANNED	2/13/2018	12	1,392	116
PLANNED	2/13/2018	2	80	40
PLANNED	2/13/2018	8	384	48
PLANNED	2/13/2018	8	384	48
PLANNED	2/13/2018	5	520	104
PLANNED	2/13/2018	10	890	89
PLANNED	2/13/2018	4	624	156
CUSTOMER REQUEST	2/13/2018	11	121	11
PLANNED	2/13/2018	2	282	141

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/13/2018	12	252	21
PLANNED	2/13/2018	13	364	28
PLANNED	2/13/2018	8	616	77
PLANNED	2/13/2018	2	66	33
PLANNED	2/13/2018	17	1,139	67
PLANNED	2/13/2018	9	234	26
PLANNED	2/13/2018	4	116	29
PLANNED	2/13/2018	7	1,722	246
PLANNED	2/13/2018	2	168	84
PLANNED	2/13/2018	7	448	64
PLANNED	2/13/2018	3	105	35
PLANNED	2/13/2018	2	226	113
PLANNED	2/13/2018	7	357	51
PLANNED	2/13/2018	3	18	6
PLANNED	2/13/2018	21	1,785	85
PLANNED	2/13/2018	1	143	143
PLANNED	2/13/2018	2	166	83
PLANNED	2/13/2018	5	440	88
PLANNED	2/13/2018	2	312	156
PLANNED	2/13/2018	4	384	96
PLANNED	2/13/2018	17	3,094	182
PLANNED	2/13/2018	12	960	80
PLANNED	2/13/2018	1	57	57
PLANNED	2/13/2018	1	40	40
PLANNED	2/13/2018	6	270	45
PLANNED	2/13/2018	2	144	72
PLANNED	2/13/2018	3	279	93
PLANNED	2/13/2018	2	42	21
PLANNED	2/13/2018	1	101	101
CUSTOMER REQUEST	2/13/2018	1	72	72
PLANNED	2/13/2018	3	96	32
PLANNED	2/13/2018	1	182	182
PLANNED	2/13/2018	5	55	11
PLANNED	2/14/2018	38	2,167	159
PLANNED	2/14/2018	1	81	81
PLANNED	2/14/2018	3	417	139
PLANNED	2/14/2018	2	210	105
CUSTOMER REQUEST	2/14/2018	17	3,570	210
PLANNED	2/14/2018	1	154	154
PLANNED	2/14/2018	9	432	48
PLANNED	2/14/2018	9	63	7
PLANNED	2/14/2018	1	140	140
PLANNED	2/14/2018	2	222	111
PLANNED	2/14/2018	1	242	242
PLANNED	2/14/2018	9	3,114	346
PLANNED	2/14/2018	1	150	150
PLANNED	2/14/2018	5	355	71
PLANNED	2/14/2018	1	240	240
PLANNED	2/14/2018	12	1,872	156
PLANNED	2/14/2018	10	400	40
PLANNED	2/14/2018	11	1,727	157

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/14/2018	3	654	218
PLANNED	2/14/2018	1	100	100
PLANNED	2/14/2018	10	900	90
PLANNED	2/14/2018	6	546	91
PLANNED	2/14/2018	21	4,641	221
PLANNED	2/14/2018	3	216	72
PLANNED	2/14/2018	4	284	71
PLANNED	2/14/2018	10	340	34
PLANNED	2/14/2018	16	2,704	169
PLANNED	2/14/2018	5	465	93
PLANNED	2/14/2018	1	142	142
PLANNED	2/14/2018	68	2,448	36
PLANNED	2/14/2018	16	464	29
PLANNED	2/14/2018	4	248	62
CUSTOMER REQUEST	2/14/2018	7	105	15
PLANNED	2/14/2018	8	720	90
PLANNED	2/14/2018	3	534	178
PLANNED	2/14/2018	12	780	65
PLANNED	2/14/2018	3	543	181
PLANNED	2/14/2018	2	182	91
PLANNED	2/14/2018	2	304	152
PLANNED	2/14/2018	5	445	89
PLANNED	2/14/2018	7	1,211	173
PLANNED	2/14/2018	16	272	17
PLANNED	2/14/2018	8	720	90
PLANNED	2/14/2018	12	1,068	89
PLANNED	2/14/2018	2	64	32
PLANNED	2/14/2018	8	808	101
PLANNED	2/14/2018	4	408	102
PLANNED	2/14/2018	5	90	18
PLANNED	2/14/2018	8	312	39
PLANNED	2/14/2018	3	108	36
PLANNED	2/14/2018	2	252	126
PLANNED	2/14/2018	10	298	43
PLANNED	2/14/2018	5	1,105	221
PLANNED	2/14/2018	3	459	153
PLANNED	2/14/2018	1	345	345
PLANNED	2/14/2018	7	1,001	143
PLANNED	2/14/2018	6	234	39
PLANNED	2/14/2018	2	138	69
PLANNED	2/14/2018	15	240	16
PLANNED	2/14/2018	1	38	38
PLANNED	2/14/2018	14	854	61
PLANNED	2/14/2018	4	52	13
PLANNED	2/14/2018	2	334	167
PLANNED	2/14/2018	10	370	37
PLANNED	2/14/2018	1	21	21
PLANNED	2/14/2018	7	511	73
PLANNED	2/14/2018	5	155	31
PLANNED	2/14/2018	2	220	110
PLANNED	2/14/2018	10	670	67

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/14/2018	2	144	72
PLANNED	2/14/2018	12	288	24
PLANNED	2/14/2018	3	183	61
PLANNED	2/14/2018	29	58	2
PLANNED	2/14/2018	5	1,200	240
PLANNED	2/14/2018	13	39	3
PLANNED	2/14/2018	1	3	3
PLANNED	2/14/2018	4	48	12
PLANNED	2/14/2018	2	170	85
PLANNED	2/14/2018	1	88	88
PLANNED	2/14/2018	2	16	8
PLANNED	2/14/2018	1	51	51
PLANNED	2/14/2018	4	332	83
PLANNED	2/14/2018	2	226	113
PLANNED	2/14/2018	8	1,368	171
PLANNED	2/14/2018	3	270	90
PLANNED	2/14/2018	10	80	8
PLANNED	2/14/2018	6	378	63
PLANNED	2/14/2018	8	96	12
PLANNED	2/14/2018	3	267	89
PLANNED	2/14/2018	5	165	33
PLANNED	2/14/2018	6	348	58
PLANNED	2/14/2018	7	455	65
PLANNED	2/14/2018	2	310	155
PLANNED	2/14/2018	4	16	4
PLANNED	2/14/2018	2	148	74
PLANNED	2/14/2018	4	56	14
PLANNED	2/14/2018	1	141	141
PLANNED	2/14/2018	12	450	45
PLANNED	2/14/2018	1	63	63
PLANNED	2/14/2018	1	283	283
PLANNED	2/14/2018	1	446	446
PLANNED	2/15/2018	3	312	104
PLANNED	2/15/2018	4	356	89
PLANNED	2/15/2018	1	548	548
PLANNED	2/15/2018	9	648	72
PLANNED	2/15/2018	19	1,368	72
PLANNED	2/15/2018	6	654	109
PLANNED	2/15/2018	2	270	135
PLANNED	2/15/2018	11	1,672	152
PLANNED	2/15/2018	3	684	228
PLANNED	2/15/2018	12	732	61
PLANNED	2/15/2018	12	648	54
PLANNED	2/15/2018	3	192	64
PLANNED	2/15/2018	4	400	100
PLANNED	2/15/2018	12	696	58
PLANNED	2/15/2018	12	756	63
CUSTOMER REQUEST	2/15/2018	7	1,435	205
PLANNED	2/15/2018	5	340	68
PLANNED	2/15/2018	8	512	64
PLANNED	2/15/2018	4	132	33

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/15/2018	8	768	96
PLANNED	2/15/2018	4	464	116
PLANNED	2/15/2018	1	28	28
PLANNED	2/15/2018	4	1,064	266
PLANNED	2/15/2018	1	38	38
PLANNED	2/15/2018	7	336	48
PLANNED	2/15/2018	2	354	177
CUSTOMER REQUEST	2/15/2018	1	310	310
PLANNED	2/15/2018	5	270	54
PLANNED	2/15/2018	5	1,220	244
PLANNED	2/15/2018	21	4,683	223
PLANNED	2/15/2018	12	1,932	161
PLANNED	2/15/2018	4	336	84
PLANNED	2/15/2018	6	1,098	183
PLANNED	2/15/2018	4	484	121
PLANNED	2/15/2018	1	55	55
PLANNED	2/15/2018	2	108	54
CUSTOMER REQUEST	2/15/2018	4	2,888	722
PLANNED	2/15/2018	6	384	64
PLANNED	2/15/2018	1	182	182
PLANNED	2/15/2018	5	815	163
PLANNED	2/15/2018	12	864	72
PLANNED	2/15/2018	17	459	27
PLANNED	2/15/2018	8	720	90
PLANNED	2/15/2018	10	290	29
PLANNED	2/15/2018	10	740	74
PLANNED	2/15/2018	5	635	127
PLANNED	2/15/2018	4	196	49
PLANNED	2/15/2018	8	600	75
PLANNED	2/15/2018	2	284	142
PLANNED	2/15/2018	4	116	29
PLANNED	2/15/2018	4	120	30
PLANNED	2/15/2018	17	663	39
PLANNED	2/15/2018	1	287	287
PLANNED	2/15/2018	12	480	40
PLANNED	2/15/2018	1	104	104
PLANNED	2/15/2018	2	92	46
PLANNED	2/15/2018	1	277	277
PLANNED	2/15/2018	3	1,008	336
PLANNED	2/15/2018	5	400	80
PLANNED	2/15/2018	37	3,922	106
PLANNED	2/15/2018	11	704	64
CUSTOMER REQUEST	2/15/2018	1	206	206
PLANNED	2/15/2018	12	60	5
PLANNED	2/15/2018	2	268	134
CUSTOMER REQUEST	2/15/2018	1	111	111
PLANNED	2/15/2018	4	172	43
PLANNED	2/15/2018	1	43	43
PLANNED	2/15/2018	6	330	55
PLANNED	2/15/2018	3	99	33
PLANNED	2/15/2018	1	14	14

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/15/2018	3	276	92
PLANNED	2/15/2018	2	66	33
CUSTOMER REQUEST	2/15/2018	14	462	33
PLANNED	2/15/2018	9	90	10
PLANNED	2/15/2018	3	390	130
PLANNED	2/15/2018	2	166	83
PLANNED	2/15/2018	2	104	52
PLANNED	2/15/2018	14	2,268	162
PLANNED	2/15/2018	1	53	53
PLANNED	2/15/2018	4	420	105
PLANNED	2/15/2018	6	552	92
PLANNED	2/15/2018	3	228	76
PLANNED	2/15/2018	1	29	29
PLANNED	2/15/2018	3	276	92
PLANNED	2/15/2018	2	140	70
PLANNED	2/15/2018	1	101	101
PLANNED	2/15/2018	1	173	173
PLANNED	2/15/2018	1	56	56
CUSTOMER REQUEST	2/15/2018	3	1,281	427
CUSTOMER REQUEST	2/15/2018	1	157	157
PLANNED	2/15/2018	1	71	71
CUSTOMER REQUEST	2/15/2018	8	1,136	142
PLANNED	2/15/2018	1	62	62
PLANNED	2/15/2018	1	143	143
CUSTOMER REQUEST	2/15/2018	1	569	569
CUSTOMER REQUEST	2/15/2018	1	63	63
PLANNED	2/15/2018	2	348	174
CUSTOMER REQUEST	2/15/2018	1	205	205
PLANNED	2/15/2018	1	320	320
PLANNED	2/16/2018	2	404	202
PLANNED	2/16/2018	1	101	101
PLANNED	2/16/2018	1	112	112
PLANNED	2/16/2018	6	222	37
PLANNED	2/16/2018	6	282	47
PLANNED	2/16/2018	10	570	57
PLANNED	2/16/2018	8	672	84
PLANNED	2/16/2018	8	640	80
PLANNED	2/16/2018	4	608	152
PLANNED	2/16/2018	10	430	43
PLANNED	2/16/2018	1	31	31
PLANNED	2/16/2018	6	606	101
PLANNED	2/16/2018	2	138	69
PLANNED	2/16/2018	6	606	101
PLANNED	2/16/2018	11	935	85
PLANNED	2/16/2018	4	584	146
PLANNED	2/16/2018	13	1,105	85
CUSTOMER REQUEST	2/16/2018	9	2,340	260
PLANNED	2/16/2018	1	40	40
PLANNED	2/16/2018	7	1,309	187
PLANNED	2/16/2018	10	1,050	105
PLANNED	2/16/2018	15	510	34

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/16/2018	3	486	162
PLANNED	2/16/2018	9	378	42
PLANNED	2/16/2018	12	204	17
CUSTOMER REQUEST	2/16/2018	4	128	32
PLANNED	2/16/2018	1	44	44
PLANNED	2/16/2018	9	414	46
PLANNED	2/16/2018	2	238	119
PLANNED	2/16/2018	30	1,170	39
PLANNED	2/16/2018	1	127	127
PLANNED	2/16/2018	3	201	67
PLANNED	2/16/2018	5	680	136
PLANNED	2/16/2018	8	528	66
PLANNED	2/16/2018	2	70	35
PLANNED	2/16/2018	1	129	129
PLANNED	2/16/2018	2	102	51
PLANNED	2/16/2018	2	98	49
PLANNED	2/16/2018	14	1,120	80
PLANNED	2/16/2018	3	366	122
PLANNED	2/16/2018	1	93	93
PLANNED	2/16/2018	3	438	146
CUSTOMER REQUEST	2/16/2018	8	168	21
CUSTOMER REQUEST	2/16/2018	1	545	545
PLANNED	2/16/2018	1	132	132
CUSTOMER REQUEST	2/16/2018	1	182	182
PLANNED	2/16/2018	2	138	69
PLANNED	2/16/2018	1	295	295
PLANNED	2/16/2018	1	139	139
PLANNED	2/17/2018	3	795	265
PLANNED	2/17/2018	2	470	235
PLANNED	2/17/2018	3	99	33
PLANNED	2/17/2018	3	312	104
PLANNED	2/17/2018	2	112	56
PLANNED	2/17/2018	1	191	191
PLANNED	2/17/2018	4	228	57
PLANNED	2/17/2018	1	12	12
PLANNED	2/17/2018	5	805	161
PLANNED	2/17/2018	4	340	85
PLANNED	2/17/2018	2	170	85
PLANNED	2/17/2018	25	900	36
PLANNED	2/17/2018	1	566	566
CUSTOMER REQUEST	2/18/2018	1	107	107
PLANNED	2/18/2018	1	18	18
PLANNED	2/18/2018	6	1,038	173
PLANNED	2/18/2018	1	195	195
PLANNED	2/18/2018	1	299	299
PLANNED	2/18/2018	2	256	128
PLANNED	2/18/2018	2	254	127
PLANNED	2/18/2018	2	170	85
PLANNED	2/18/2018	1	282	282
PLANNED	2/18/2018	12	1,032	86
PLANNED	2/18/2018	5	220	44

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	2/18/2018	1	57	57
PLANNED	2/18/2018	8	480	60
PLANNED	2/18/2018	4	180	45
PLANNED	2/18/2018	1	93	93
PLANNED	2/19/2018	1	491	491
PLANNED	2/19/2018	5	525	105
PLANNED	2/19/2018	8	1,448	181
PLANNED	2/19/2018	12	2,628	219
PLANNED	2/19/2018	6	1,104	184
PLANNED	2/19/2018	12	1,116	93
PLANNED	2/19/2018	8	664	83
PLANNED	2/19/2018	6	1,170	195
PLANNED	2/19/2018	4	644	161
CUSTOMER REQUEST	2/19/2018	1	38	38
PLANNED	2/19/2018	1	12	12
PLANNED	2/19/2018	11	418	38
PLANNED	2/19/2018	14	1,610	115
PLANNED	2/19/2018	1	96	96
PLANNED	2/19/2018	16	1,840	115
PLANNED	2/19/2018	16	1,840	115
PLANNED	2/19/2018	19	1,007	53
PLANNED	2/19/2018	1	372	372
CUSTOMER REQUEST	2/19/2018	1	4	4
PLANNED	2/19/2018	1	193	193
PLANNED	2/19/2018	8	488	61
PLANNED	2/19/2018	7	581	83
CUSTOMER REQUEST	2/19/2018	4	292	73
PLANNED	2/19/2018	21	1,827	87
PLANNED	2/19/2018	15	1,005	67
PLANNED	2/19/2018	8	280	35
PLANNED	2/19/2018	6	96	16
PLANNED	2/19/2018	3	114	38
PLANNED	2/19/2018	1	52	52
PLANNED	2/19/2018	1	48	48
PLANNED	2/19/2018	10	840	84
PLANNED	2/19/2018	3	327	109
PLANNED	2/19/2018	1	169	169
PLANNED	2/19/2018	14	182	13
CUSTOMER REQUEST	2/19/2018	1	147	147
PLANNED	2/19/2018	6	300	50
PLANNED	2/19/2018	8	1,792	224
PLANNED	2/19/2018	4	560	140
PLANNED	2/19/2018	2	280	140
PLANNED	2/19/2018	1	92	92
PLANNED	2/19/2018	2	198	99
PLANNED	2/19/2018	28	3,388	121
PLANNED	2/19/2018	1	18	18
PLANNED	2/19/2018	4	328	82
PLANNED	2/19/2018	4	560	140
PLANNED	2/19/2018	6	396	66
PLANNED	2/19/2018	5	1,030	206

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/19/2018	2	110	55
PLANNED	2/19/2018	8	280	35
PLANNED	2/19/2018	27	378	14
PLANNED	2/19/2018	4	252	63
PLANNED	2/19/2018	3	162	54
PLANNED	2/19/2018	5	65	13
PLANNED	2/19/2018	1	28	28
PLANNED	2/19/2018	9	585	65
PLANNED	2/19/2018	4	24	6
PLANNED	2/19/2018	5	1,030	206
PLANNED	2/19/2018	8	456	57
PLANNED	2/19/2018	12	840	70
PLANNED	2/19/2018	3	309	103
CUSTOMER REQUEST	2/19/2018	1	53	53
PLANNED	2/19/2018	13	702	54
PLANNED	2/19/2018	2	42	21
PLANNED	2/19/2018	5	400	80
PLANNED	2/19/2018	4	8	2
PLANNED	2/19/2018	6	534	89
PLANNED	2/19/2018	4	252	63
PLANNED	2/19/2018	5	520	104
PLANNED	2/19/2018	6	300	50
PLANNED	2/19/2018	6	90	15
PLANNED	2/19/2018	3	183	61
PLANNED	2/19/2018	5	330	66
PLANNED	2/19/2018	3	633	211
PLANNED	2/19/2018	6	1,698	283
PLANNED	2/19/2018	3	105	35
PLANNED	2/19/2018	8	408	51
PLANNED	2/19/2018	2	76	38
PLANNED	2/19/2018	9	216	24
PLANNED	2/19/2018	46	2,806	61
PLANNED	2/19/2018	3	114	38
PLANNED	2/19/2018	2	32	16
PLANNED	2/19/2018	1	60	60
PLANNED	2/19/2018	9	369	41
PLANNED	2/19/2018	6	1,086	181
PLANNED	2/19/2018	6	1,284	214
PLANNED	2/19/2018	9	531	59
PLANNED	2/19/2018	2	1,166	583
PLANNED	2/19/2018	1	124	124
PLANNED	2/19/2018	6	456	76
PLANNED	2/20/2018	14	3,584	256
PLANNED	2/20/2018	2	362	181
PLANNED	2/20/2018	2	118	59
PLANNED	2/20/2018	16	3,472	217
PLANNED	2/20/2018	13	2,574	198
PLANNED	2/20/2018	16	3,056	191
PLANNED	2/20/2018	1	155	155
PLANNED	2/20/2018	2	280	140
PLANNED	2/20/2018	7	112	16

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/20/2018	1	21	21
PLANNED	2/20/2018	2	314	157
PLANNED	2/20/2018	1	86	86
PLANNED	2/20/2018	6	672	112
PLANNED	2/20/2018	6	726	121
PLANNED	2/20/2018	7	266	38
PLANNED	2/20/2018	1	49	49
PLANNED	2/20/2018	6	1,710	285
PLANNED	2/20/2018	4	476	119
PLANNED	2/20/2018	4	472	118
CUSTOMER REQUEST	2/20/2018	2	1,146	573
PLANNED	2/20/2018	2	480	240
PLANNED	2/20/2018	10	770	77
PLANNED	2/20/2018	1	39	39
PLANNED	2/20/2018	8	248	31
PLANNED	2/20/2018	12	600	50
PLANNED	2/20/2018	69	1,932	28
PLANNED	2/20/2018	8	624	78
PLANNED	2/20/2018	9	2,772	308
PLANNED	2/20/2018	2	448	224
PLANNED	2/20/2018	1	187	187
CUSTOMER REQUEST	2/20/2018	4	168	42
PLANNED	2/20/2018	4	408	102
CUSTOMER REQUEST	2/20/2018	12	264	22
PLANNED	2/20/2018	4	404	101
PLANNED	2/20/2018	66	10,098	153
PLANNED	2/20/2018	5	530	106
PLANNED	2/20/2018	4	192	48
PLANNED	2/20/2018	2	392	196
PLANNED	2/20/2018	6	426	71
PLANNED	2/20/2018	3	297	99
PLANNED	2/20/2018	2	114	57
PLANNED	2/20/2018	7	1,540	220
PLANNED	2/20/2018	12	4,548	379
PLANNED	2/20/2018	6	1,848	308
PLANNED	2/20/2018	1	15	15
CUSTOMER REQUEST	2/20/2018	1	2,982	2,982
PLANNED	2/20/2018	1	21	21
PLANNED	2/20/2018	1	110	110
PLANNED	2/20/2018	2	90	45
PLANNED	2/20/2018	4	624	156
PLANNED	2/20/2018	5	1,375	275
PLANNED	2/20/2018	1	138	138
PLANNED	2/20/2018	6	3,330	555
PLANNED	2/20/2018	4	684	171
PLANNED	2/20/2018	117	234	2
PLANNED	2/20/2018	8	3,176	397
PLANNED	2/20/2018	2	56	28
CUSTOMER REQUEST	2/20/2018	2	200	100
PLANNED	2/20/2018	4	820	205
PLANNED	2/20/2018	3	72	24

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/20/2018	4	296	74
PLANNED	2/20/2018	5	645	129
PLANNED	2/20/2018	5	45	9
PLANNED	2/20/2018	16	1,680	105
PLANNED	2/20/2018	1	52	52
PLANNED	2/20/2018	6	1,230	205
PLANNED	2/20/2018	9	486	54
PLANNED	2/20/2018	12	252	21
PLANNED	2/20/2018	10	620	62
PLANNED	2/20/2018	10	570	57
PLANNED	2/20/2018	14	756	54
PLANNED	2/20/2018	2	454	227
PLANNED	2/20/2018	97	4,074	42
PLANNED	2/20/2018	13	1,677	129
PLANNED	2/20/2018	8	256	32
PLANNED	2/20/2018	8	864	108
PLANNED	2/20/2018	3	57	19
CUSTOMER REQUEST	2/20/2018	2	286	143
PLANNED	2/20/2018	46	3,818	83
PLANNED	2/20/2018	2	114	57
PLANNED	2/20/2018	3	495	165
PLANNED	2/20/2018	5	1,040	208
PLANNED	2/20/2018	6	528	88
PLANNED	2/20/2018	20	740	37
PLANNED	2/20/2018	9	801	89
PLANNED	2/20/2018	12	2,172	181
PLANNED	2/20/2018	10	70	7
PLANNED	2/20/2018	4	220	55
PLANNED	2/20/2018	1	76	76
PLANNED	2/20/2018	4	100	25
PLANNED	2/20/2018	6	600	100
PLANNED	2/20/2018	1	87	87
PLANNED	2/20/2018	18	4,860	270
PLANNED	2/20/2018	8	448	56
PLANNED	2/20/2018	1	43	43
PLANNED	2/20/2018	7	476	68
PLANNED	2/20/2018	4	352	88
CUSTOMER REQUEST	2/20/2018	2	146	73
PLANNED	2/20/2018	3	120	40
CUSTOMER REQUEST	2/20/2018	12	48	4
PLANNED	2/20/2018	1	93	93
PLANNED	2/20/2018	6	1,014	169
PLANNED	2/20/2018	5	780	156
PLANNED	2/20/2018	2	214	107
PLANNED	2/20/2018	3	216	72
PLANNED	2/20/2018	3	321	107
PLANNED	2/20/2018	3	162	54
PLANNED	2/20/2018	4	376	94
PLANNED	2/20/2018	3	99	33
CUSTOMER REQUEST	2/20/2018	1	274	274
PLANNED	2/20/2018	3	288	96

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/20/2018	1	31	31
CUSTOMER REQUEST	2/20/2018	1	399	399
PLANNED	2/20/2018	3	240	80
PLANNED	2/20/2018	5	1,525	305
PLANNED	2/20/2018	2	34	17
PLANNED	2/21/2018	9	765	85
PLANNED	2/21/2018	1	149	149
PLANNED	2/21/2018	1	115	115
PLANNED	2/21/2018	1	8	8
PLANNED	2/21/2018	1	73	73
PLANNED	2/21/2018	6	228	38
PLANNED	2/21/2018	7	714	102
PLANNED	2/21/2018	1	37	37
PLANNED	2/21/2018	8	760	95
PLANNED	2/21/2018	10	650	65
PLANNED	2/21/2018	4	712	178
PLANNED	2/21/2018	9	612	68
PLANNED	2/21/2018	4	132	33
PLANNED	2/21/2018	7	2,520	360
PLANNED	2/21/2018	9	3,141	349
PLANNED	2/21/2018	28	532	19
PLANNED	2/21/2018	18	1,620	90
PLANNED	2/21/2018	13	507	39
PLANNED	2/21/2018	3	222	74
PLANNED	2/21/2018	2	212	106
PLANNED	2/21/2018	9	846	94
PLANNED	2/21/2018	9	684	76
PLANNED	2/21/2018	5	335	67
PLANNED	2/21/2018	56	9,240	165
PLANNED	2/21/2018	4	444	111
PLANNED	2/21/2018	4	740	185
PLANNED	2/21/2018	5	385	77
PLANNED	2/21/2018	4	728	182
PLANNED	2/21/2018	13	1,612	124
PLANNED	2/21/2018	8	840	105
PLANNED	2/21/2018	4	508	127
PLANNED	2/21/2018	16	1,696	106
PLANNED	2/21/2018	2	218	109
PLANNED	2/21/2018	8	1,440	180
PLANNED	2/21/2018	4	280	70
PLANNED	2/21/2018	25	1,300	52
PLANNED	2/21/2018	1	157	157
PLANNED	2/21/2018	2	34	17
PLANNED	2/21/2018	6	210	35
PLANNED	2/21/2018	2	48	24
PLANNED	2/21/2018	7	308	44
CUSTOMER REQUEST	2/21/2018	8	64	8
PLANNED	2/21/2018	82	11,562	141
PLANNED	2/21/2018	6	288	48
PLANNED	2/21/2018	1	87	87
PLANNED	2/21/2018	11	2,013	183

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/21/2018	2	336	168
PLANNED	2/21/2018	6	240	40
PLANNED	2/21/2018	8	1,568	196
PLANNED	2/21/2018	1	306	306
PLANNED	2/21/2018	2	328	164
PLANNED	2/21/2018	2	238	119
PLANNED	2/21/2018	4	568	142
PLANNED	2/21/2018	6	684	114
PLANNED	2/21/2018	13	1,521	117
CUSTOMER REQUEST	2/21/2018	14	910	65
PLANNED	2/21/2018	1	82	82
PLANNED	2/21/2018	6	294	49
PLANNED	2/21/2018	4	436	109
PLANNED	2/21/2018	16	1,120	70
PLANNED	2/21/2018	5	220	44
PLANNED	2/21/2018	4	388	97
PLANNED	2/21/2018	1	303	303
PLANNED	2/21/2018	4	60	15
PLANNED	2/21/2018	14	1,918	137
PLANNED	2/21/2018	12	1,704	142
PLANNED	2/21/2018	7	357	51
PLANNED	2/21/2018	8	1,336	167
PLANNED	2/21/2018	1	61	61
PLANNED	2/21/2018	4	540	135
PLANNED	2/21/2018	1	117	117
PLANNED	2/21/2018	4	640	160
PLANNED	2/21/2018	1	88	88
PLANNED	2/21/2018	3	153	51
PLANNED	2/21/2018	3	171	57
PLANNED	2/21/2018	4	324	81
PLANNED	2/21/2018	11	880	80
CUSTOMER REQUEST	2/21/2018	2	166	83
PLANNED	2/21/2018	1	28	28
PLANNED	2/21/2018	12	1,836	153
PLANNED	2/21/2018	8	424	53
PLANNED	2/21/2018	2	100	50
PLANNED	2/21/2018	1	103	103
PLANNED	2/21/2018	1	115	115
PLANNED	2/21/2018	2	134	67
PLANNED	2/21/2018	5	255	51
PLANNED	2/21/2018	2	220	110
PLANNED	2/21/2018	7	861	123
PLANNED	2/21/2018	6	306	51
CUSTOMER REQUEST	2/21/2018	1	142	142
PLANNED	2/21/2018	3	420	140
PLANNED	2/21/2018	11	121	11
PLANNED	2/21/2018	11	462	42
PLANNED	2/21/2018	5	455	91
PLANNED	2/21/2018	1	126	126
PLANNED	2/21/2018	7	448	64
PLANNED	2/21/2018	1	73	73

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/21/2018	2	134	67
PLANNED	2/21/2018	1	158	158
PLANNED	2/21/2018	6	672	112
PLANNED	2/21/2018	4	764	191
CUSTOMER REQUEST	2/21/2018	2	228	114
PLANNED	2/21/2018	14	658	47
PLANNED	2/21/2018	3	864	288
PLANNED	2/21/2018	1	104	104
PLANNED	2/21/2018	1	253	253
PLANNED	2/21/2018	1	93	93
CUSTOMER REQUEST	2/22/2018	3	579	193
PLANNED	2/22/2018	4	284	71
PLANNED	2/22/2018	5	765	153
PLANNED	2/22/2018	2	196	98
PLANNED	2/22/2018	11	1,595	145
PLANNED	2/22/2018	4	240	60
PLANNED	2/22/2018	7	665	95
PLANNED	2/22/2018	8	400	50
PLANNED	2/22/2018	5	340	68
PLANNED	2/22/2018	3	204	68
PLANNED	2/22/2018	6	654	109
PLANNED	2/22/2018	12	1,248	104
PLANNED	2/22/2018	3	333	111
PLANNED	2/22/2018	8	544	68
PLANNED	2/22/2018	5	445	89
PLANNED	2/22/2018	8	1,208	151
PLANNED	2/22/2018	5	90	18
PLANNED	2/22/2018	2	296	148
PLANNED	2/22/2018	5	45	9
PLANNED	2/22/2018	16	848	53
PLANNED	2/22/2018	17	1,598	94
CUSTOMER REQUEST	2/22/2018	5	65	13
PLANNED	2/22/2018	8	528	66
PLANNED	2/22/2018	4	1,100	275
PLANNED	2/22/2018	4	296	74
PLANNED	2/22/2018	21	2,058	98
PLANNED	2/22/2018	2	106	53
PLANNED	2/22/2018	21	1,092	52
PLANNED	2/22/2018	9	2,104	347
PLANNED	2/22/2018	5	40	8
PLANNED	2/22/2018	3	144	48
PLANNED	2/22/2018	6	1,110	185
PLANNED	2/22/2018	10	880	88
PLANNED	2/22/2018	8	704	88
PLANNED	2/22/2018	8	624	78
PLANNED	2/22/2018	4	680	170
PLANNED	2/22/2018	8	344	43
PLANNED	2/22/2018	1	98	98
PLANNED	2/22/2018	1	77	77
PLANNED	2/22/2018	6	576	96
PLANNED	2/22/2018	1	74	74

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/22/2018	5	455	91
PLANNED	2/22/2018	6	732	122
PLANNED	2/22/2018	2	58	29
PLANNED	2/22/2018	11	407	37
PLANNED	2/22/2018	3	540	180
PLANNED	2/22/2018	5	850	170
PLANNED	2/22/2018	8	896	112
PLANNED	2/22/2018	7	1,330	190
PLANNED	2/22/2018	18	1,548	86
PLANNED	2/22/2018	11	946	86
PLANNED	2/22/2018	9	945	105
PLANNED	2/22/2018	1	33	33
PLANNED	2/22/2018	10	930	93
CUSTOMER REQUEST	2/22/2018	2	50	25
PLANNED	2/22/2018	4	1,084	271
PLANNED	2/22/2018	3	174	58
PLANNED	2/22/2018	4	300	75
PLANNED	2/22/2018	20	200	10
PLANNED	2/22/2018	4	344	86
PLANNED	2/22/2018	1	79	79
CUSTOMER REQUEST	2/22/2018	21	36,519	1,739
PLANNED	2/22/2018	1	141	141
PLANNED	2/22/2018	2	280	140
PLANNED	2/22/2018	3	42	14
PLANNED	2/22/2018	12	228	19
PLANNED	2/22/2018	2	200	100
PLANNED	2/22/2018	10	730	73
PLANNED	2/22/2018	3	150	50
PLANNED	2/22/2018	4	400	100
PLANNED	2/22/2018	9	675	75
PLANNED	2/22/2018	13	924	268
PLANNED	2/22/2018	8	1,200	150
PLANNED	2/22/2018	2	182	91
PLANNED	2/22/2018	1	82	82
PLANNED	2/22/2018	4	408	102
PLANNED	2/22/2018	8	472	59
PLANNED	2/22/2018	13	1,846	142
PLANNED	2/22/2018	3	165	55
PLANNED	2/22/2018	2	160	80
PLANNED	2/22/2018	2	158	79
PLANNED	2/22/2018	12	1,164	97
PLANNED	2/22/2018	5	390	78
PLANNED	2/22/2018	2	150	75
PLANNED	2/22/2018	9	648	72
PLANNED	2/22/2018	4	248	62
PLANNED	2/22/2018	7	1,806	258
PLANNED	2/22/2018	10	800	80
PLANNED	2/22/2018	8	624	78
PLANNED	2/22/2018	1	140	140
PLANNED	2/22/2018	22	1,320	60
PLANNED	2/22/2018	1	26	26

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/22/2018	2	124	62
PLANNED	2/22/2018	9	270	30
PLANNED	2/22/2018	1	61	61
PLANNED	2/22/2018	8	456	57
CUSTOMER REQUEST	2/22/2018	9	279	31
PLANNED	2/22/2018	2	130	65
PLANNED	2/22/2018	13	1,001	77
PLANNED	2/22/2018	9	405	45
PLANNED	2/22/2018	2	14	7
PLANNED	2/22/2018	31	496	16
PLANNED	2/22/2018	4	80	20
PLANNED	2/22/2018	15	3,660	244
PLANNED	2/22/2018	6	450	75
CUSTOMER REQUEST	2/23/2018	3	243	81
PLANNED	2/23/2018	1	93	93
PLANNED	2/23/2018	3	552	184
PLANNED	2/23/2018	2	52	26
PLANNED	2/23/2018	1	78	78
CUSTOMER REQUEST	2/23/2018	1	210	210
PLANNED	2/23/2018	5	690	138
PLANNED	2/23/2018	5	135	27
PLANNED	2/23/2018	4	100	25
PLANNED	2/23/2018	2	564	282
PLANNED	2/23/2018	1	131	131
PLANNED	2/23/2018	2	260	130
PLANNED	2/23/2018	10	310	31
PLANNED	2/23/2018	1	97	97
PLANNED	2/23/2018	5	225	45
PLANNED	2/23/2018	1	123	123
PLANNED	2/23/2018	28	1,932	69
PLANNED	2/23/2018	20	1,400	70
PLANNED	2/23/2018	2	86	43
PLANNED	2/23/2018	8	936	117
PLANNED	2/23/2018	10	680	68
PLANNED	2/23/2018	9	468	52
PLANNED	2/23/2018	6	1,002	167
PLANNED	2/23/2018	3	282	94
CUSTOMER REQUEST	2/23/2018	17	1,309	77
PLANNED	2/23/2018	4	1,860	465
PLANNED	2/23/2018	8	80	10
PLANNED	2/23/2018	8	576	72
PLANNED	2/23/2018	1	87	87
PLANNED	2/23/2018	3	273	91
PLANNED	2/23/2018	4	416	104
PLANNED	2/23/2018	7	105	15
PLANNED	2/23/2018	5	440	88
PLANNED	2/23/2018	8	336	42
PLANNED	2/23/2018	5	575	115
PLANNED	2/23/2018	118	2,360	20
PLANNED	2/23/2018	8	952	119
PLANNED	2/23/2018	27	2,268	84

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/23/2018	6	852	142
PLANNED	2/23/2018	1	55	55
PLANNED	2/23/2018	10	1,440	144
PLANNED	2/23/2018	7	483	69
CUSTOMER REQUEST	2/23/2018	1	103	103
PLANNED	2/23/2018	5	490	98
CUSTOMER REQUEST	2/23/2018	14	1,456	104
PLANNED	2/23/2018	2	392	196
PLANNED	2/23/2018	18	2,070	115
PLANNED	2/23/2018	10	650	65
PLANNED	2/23/2018	2	114	57
PLANNED	2/23/2018	1	87	87
PLANNED	2/23/2018	2	72	36
PLANNED	2/23/2018	1	46	46
PLANNED	2/23/2018	1	48	48
PLANNED	2/23/2018	2	138	69
PLANNED	2/23/2018	1	50	50
PLANNED	2/23/2018	28	1,680	60
PLANNED	2/23/2018	8	456	57
PLANNED	2/23/2018	1	193	193
PLANNED	2/23/2018	2	148	74
PLANNED	2/23/2018	1	2	2
CUSTOMER REQUEST	2/23/2018	1	26	26
PLANNED	2/23/2018	5	740	148
PLANNED	2/23/2018	10	80	8
PLANNED	2/23/2018	4	36	9
CUSTOMER REQUEST	2/23/2018	1	145	145
PLANNED	2/23/2018	1	60	60
PLANNED	2/23/2018	1	50	50
PLANNED	2/23/2018	11	55	5
PLANNED	2/23/2018	2	172	86
PLANNED	2/23/2018	2	16	8
PLANNED	2/23/2018	6	48	8
PLANNED	2/23/2018	2	16	8
PLANNED	2/23/2018	1	84	84
PLANNED	2/24/2018	1	139	139
CUSTOMER REQUEST	2/24/2018	1	50	50
PLANNED	2/24/2018	1	75	75
PLANNED	2/24/2018	1	190	190
PLANNED	2/24/2018	2	80	40
PLANNED	2/24/2018	5	310	62
PLANNED	2/24/2018	2	20	10
PLANNED	2/24/2018	3	375	125
PLANNED	2/24/2018	9	864	96
PLANNED	2/24/2018	5	870	174
PLANNED	2/24/2018	2	100	50
PLANNED	2/24/2018	12	360	30
PLANNED	2/24/2018	2	94	47
PLANNED	2/24/2018	8	352	44
PLANNED	2/24/2018	1	109	109
PLANNED	2/24/2018	3	324	108

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/24/2018	17	510	30
CUSTOMER REQUEST	2/25/2018	8	576	72
PLANNED	2/25/2018	10	710	71
PLANNED	2/25/2018	1	158	158
PLANNED	2/25/2018	2	52	26
PLANNED	2/25/2018	1	17	17
PLANNED	2/25/2018	1	246	246
PLANNED	2/26/2018	15	3,150	210
CUSTOMER REQUEST	2/26/2018	9	333	37
PLANNED	2/26/2018	5	420	84
PLANNED	2/26/2018	6	1,320	220
PLANNED	2/26/2018	3	279	93
PLANNED	2/26/2018	1	95	95
PLANNED	2/26/2018	1	390	390
PLANNED	2/26/2018	37	9,509	257
PLANNED	2/26/2018	2	246	123
CUSTOMER REQUEST	2/26/2018	7	49	7
PLANNED	2/26/2018	3	480	160
PLANNED	2/26/2018	1	98	98
CUSTOMER REQUEST	2/26/2018	11	407	37
PLANNED	2/26/2018	10	1,910	191
PLANNED	2/26/2018	5	645	129
PLANNED	2/26/2018	15	105	7
PLANNED	2/26/2018	3	351	117
PLANNED	2/26/2018	2	142	71
PLANNED	2/26/2018	8	208	26
PLANNED	2/26/2018	4	56	14
PLANNED	2/26/2018	2	1,036	518
CUSTOMER REQUEST	2/26/2018	8	440	55
PLANNED	2/26/2018	5	360	72
PLANNED	2/26/2018	19	2,204	116
PLANNED	2/26/2018	39	9,126	234
PLANNED	2/26/2018	2	386	193
PLANNED	2/26/2018	2	178	89
PLANNED	2/26/2018	6	222	37
PLANNED	2/26/2018	2	64	32
PLANNED	2/26/2018	25	1,925	77
PLANNED	2/26/2018	10	2,460	246
PLANNED	2/26/2018	1	111	111
PLANNED	2/26/2018	1	91	91
PLANNED	2/26/2018	34	4,862	143
PLANNED	2/26/2018	1	283	283
PLANNED	2/26/2018	7	518	74
PLANNED	2/26/2018	6	996	166
PLANNED	2/26/2018	5	740	148
PLANNED	2/26/2018	8	408	51
PLANNED	2/26/2018	1	136	136
PLANNED	2/26/2018	6	1,326	221
PLANNED	2/26/2018	6	1,326	221
PLANNED	2/26/2018	16	3,536	221
PLANNED	2/26/2018	8	1,768	221

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/26/2018	8	1,768	221
PLANNED	2/26/2018	50	1,800	36
PLANNED	2/26/2018	12	1,380	115
PLANNED	2/26/2018	5	475	95
PLANNED	2/26/2018	1	15	15
PLANNED	2/26/2018	3	741	247
PLANNED	2/26/2018	1	88	88
PLANNED	2/26/2018	5	85	17
PLANNED	2/26/2018	1	59	59
PLANNED	2/26/2018	8	400	50
PLANNED	2/26/2018	3	501	167
PLANNED	2/26/2018	3	249	83
PLANNED	2/26/2018	1	49	49
PLANNED	2/26/2018	11	517	47
PLANNED	2/26/2018	1	156	156
PLANNED	2/26/2018	8	1,104	138
PLANNED	2/26/2018	5	710	142
PLANNED	2/26/2018	5	60	12
PLANNED	2/26/2018	1	111	111
PLANNED	2/26/2018	4	224	56
PLANNED	2/26/2018	6	438	73
PLANNED	2/26/2018	4	288	72
PLANNED	2/26/2018	13	884	68
PLANNED	2/26/2018	8	648	81
PLANNED	2/26/2018	6	150	25
PLANNED	2/26/2018	4	400	100
PLANNED	2/26/2018	3	165	55
PLANNED	2/26/2018	3	108	36
PLANNED	2/26/2018	5	425	85
PLANNED	2/26/2018	10	410	41
CUSTOMER REQUEST	2/26/2018	1	100	100
PLANNED	2/26/2018	51	1,887	37
PLANNED	2/26/2018	4	500	125
CUSTOMER REQUEST	2/26/2018	11	121	11
PLANNED	2/26/2018	4	44	11
PLANNED	2/26/2018	3	204	68
PLANNED	2/26/2018	7	2,429	347
PLANNED	2/26/2018	5	210	42
PLANNED	2/26/2018	1	186	186
PLANNED	2/26/2018	9	594	66
PLANNED	2/26/2018	3	108	36
PLANNED	2/26/2018	84	4,620	55
PLANNED	2/26/2018	8	400	50
PLANNED	2/26/2018	18	576	32
PLANNED	2/26/2018	1	57	57
PLANNED	2/26/2018	1	172	172
PLANNED	2/26/2018	3	24	8
PLANNED	2/26/2018	5	340	68
PLANNED	2/26/2018	3	396	132
PLANNED	2/26/2018	15	1,665	111
PLANNED	2/26/2018	2	104	52

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/26/2018	9	567	63
PLANNED	2/26/2018	1	56	56
CUSTOMER REQUEST	2/26/2018	1	306	306
PLANNED	2/26/2018	5	220	44
PLANNED	2/26/2018	1	47	254
CUSTOMER REQUEST	2/26/2018	2	132	66
CUSTOMER REQUEST	2/26/2018	1	605	605
PLANNED	2/26/2018	1	75	75
PLANNED	2/26/2018	12	1,848	154
PLANNED	2/26/2018	1	45	45
PLANNED	2/26/2018	2	250	125
PLANNED	2/26/2018	2	188	94
PLANNED	2/27/2018	3	375	125
PLANNED	2/27/2018	2	14	7
PLANNED	2/27/2018	1	78	78
PLANNED	2/27/2018	1	39	39
PLANNED	2/27/2018	19	1,672	88
PLANNED	2/27/2018	1	236	236
PLANNED	2/27/2018	4	292	73
PLANNED	2/27/2018	3	186	62
PLANNED	2/27/2018	3	300	100
PLANNED	2/27/2018	3	612	204
PLANNED	2/27/2018	2	134	67
PLANNED	2/27/2018	14	2,536	294
PLANNED	2/27/2018	12	468	39
PLANNED	2/27/2018	2	400	200
PLANNED	2/27/2018	2	252	126
PLANNED	2/27/2018	24	2,112	88
PLANNED	2/27/2018	28	2,408	86
PLANNED	2/27/2018	2	42	21
PLANNED	2/27/2018	7	1,106	158
PLANNED	2/27/2018	1	134	134
PLANNED	2/27/2018	2	280	140
PLANNED	2/27/2018	9	864	96
PLANNED	2/27/2018	14	840	60
PLANNED	2/27/2018	15	945	63
CUSTOMER REQUEST	2/27/2018	13	377	29
PLANNED	2/27/2018	7	1,113	159
PLANNED	2/27/2018	8	112	14
PLANNED	2/27/2018	16	1,716	276
PLANNED	2/27/2018	10	730	73
PLANNED	2/27/2018	2	250	125
PLANNED	2/27/2018	25	5,850	234
PLANNED	2/27/2018	20	4,300	215
PLANNED	2/27/2018	7	735	105
PLANNED	2/27/2018	1	158	158
PLANNED	2/27/2018	8	424	53
PLANNED	2/27/2018	17	1,377	81
PLANNED	2/27/2018	1	42	42
PLANNED	2/27/2018	24	576	24
PLANNED	2/27/2018	8	680	85

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/27/2018	4	272	68
PLANNED	2/27/2018	8	680	85
PLANNED	2/27/2018	12	780	65
PLANNED	2/27/2018	6	270	45
PLANNED	2/27/2018	2	104	52
PLANNED	2/27/2018	95	31,350	330
PLANNED	2/27/2018	1	163	163
CUSTOMER REQUEST	2/27/2018	1	350	350
CUSTOMER REQUEST	2/27/2018	8	168	21
PLANNED	2/27/2018	31	1,581	51
CUSTOMER REQUEST	2/27/2018	1	175	175
PLANNED	2/27/2018	1	81	81
PLANNED	2/27/2018	4	260	65
CUSTOMER REQUEST	2/27/2018	10	50	5
PLANNED	2/27/2018	4	288	72
PLANNED	2/27/2018	1	26	26
PLANNED	2/27/2018	2	148	74
PLANNED	2/27/2018	9	981	109
PLANNED	2/27/2018	4	52	13
PLANNED	2/27/2018	2	64	32
PLANNED	2/27/2018	5	820	164
PLANNED	2/27/2018	9	1,701	189
PLANNED	2/27/2018	5	60	12
PLANNED	2/27/2018	3	117	39
PLANNED	2/27/2018	4	316	79
PLANNED	2/27/2018	9	2,142	238
PLANNED	2/27/2018	1	193	193
PLANNED	2/27/2018	11	1,980	180
PLANNED	2/27/2018	9	108	12
PLANNED	2/27/2018	14	420	30
PLANNED	2/27/2018	12	1,284	107
PLANNED	2/27/2018	4	256	64
PLANNED	2/27/2018	5	345	69
PLANNED	2/27/2018	7	280	40
PLANNED	2/27/2018	1	53	53
PLANNED	2/27/2018	2	100	50
PLANNED	2/27/2018	2	98	49
CUSTOMER REQUEST	2/27/2018	97	16,490	170
PLANNED	2/27/2018	3	309	103
PLANNED	2/27/2018	11	583	53
PLANNED	2/27/2018	1	10	10
PLANNED	2/27/2018	3	384	128
PLANNED	2/27/2018	1	9	9
PLANNED	2/27/2018	8	224	28
CUSTOMER REQUEST	2/27/2018	6	1,230	205
PLANNED	2/27/2018	19	836	44
PLANNED	2/27/2018	1	67	67
PLANNED	2/27/2018	2	560	280
PLANNED	2/27/2018	4	1,140	285
PLANNED	2/27/2018	1	276	276
PLANNED	2/27/2018	3	567	189

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/27/2018	10	260	26
PLANNED	2/27/2018	25	725	29
PLANNED	2/27/2018	1	42	42
PLANNED	2/27/2018	3	483	161
PLANNED	2/27/2018	10	310	31
PLANNED	2/27/2018	5	485	97
PLANNED	2/27/2018	6	186	31
PLANNED	2/27/2018	8	304	38
PLANNED	2/27/2018	12	1,116	93
PLANNED	2/27/2018	1	39	39
PLANNED	2/27/2018	7	315	45
PLANNED	2/27/2018	23	4,071	177
PLANNED	2/27/2018	3	246	82
PLANNED	2/27/2018	6	300	50
PLANNED	2/27/2018	5	445	89
PLANNED	2/27/2018	2	70	35
PLANNED	2/27/2018	10	840	84
CUSTOMER REQUEST	2/27/2018	8	176	22
CUSTOMER REQUEST	2/27/2018	1	367	367
PLANNED	2/27/2018	2	224	112
PLANNED	2/27/2018	2	138	69
PLANNED	2/27/2018	4	624	156
PLANNED	2/27/2018	1	174	174
PLANNED	2/28/2018	5	960	192
PLANNED	2/28/2018	1	40	40
PLANNED	2/28/2018	2	140	70
PLANNED	2/28/2018	1	100	100
PLANNED	2/28/2018	2	292	146
PLANNED	2/28/2018	1	23	23
PLANNED	2/28/2018	1	132	132
PLANNED	2/28/2018	19	3,724	196
PLANNED	2/28/2018	1	151	151
PLANNED	2/28/2018	1	65	65
PLANNED	2/28/2018	2	308	154
PLANNED	2/28/2018	4	992	248
PLANNED	2/28/2018	6	1,231	271
PLANNED	2/28/2018	3	318	106
PLANNED	2/28/2018	2	310	155
PLANNED	2/28/2018	3	204	68
PLANNED	2/28/2018	1	137	137
CUSTOMER REQUEST	2/28/2018	1	161	161
PLANNED	2/28/2018	1	57	57
PLANNED	2/28/2018	2	250	125
CUSTOMER REQUEST	2/28/2018	29	638	22
PLANNED	2/28/2018	3	324	108
PLANNED	2/28/2018	3	219	73
PLANNED	2/28/2018	5	1,195	239
PLANNED	2/28/2018	12	480	40
PLANNED	2/28/2018	1	19	19
PLANNED	2/28/2018	1	124	124
PLANNED	2/28/2018	35	1,505	43

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/28/2018	1	138	138
PLANNED	2/28/2018	5	690	138
PLANNED	2/28/2018	3	150	50
PLANNED	2/28/2018	1	20	20
PLANNED	2/28/2018	1	62	62
PLANNED	2/28/2018	3	111	37
PLANNED	2/28/2018	7	553	79
PLANNED	2/28/2018	11	1,100	100
PLANNED	2/28/2018	14	84	6
PLANNED	2/28/2018	9	63	7
PLANNED	2/28/2018	6	54	9
PLANNED	2/28/2018	16	208	13
PLANNED	2/28/2018	1	33	33
PLANNED	2/28/2018	3	465	155
PLANNED	2/28/2018	1	125	125
PLANNED	2/28/2018	33	7,326	222
PLANNED	2/28/2018	8	848	106
PLANNED	2/28/2018	3	69	23
PLANNED	2/28/2018	8	136	17
PLANNED	2/28/2018	4	120	30
PLANNED	2/28/2018	4	800	200
PLANNED	2/28/2018	4	732	183
PLANNED	2/28/2018	6	492	82
PLANNED	2/28/2018	87	11,049	127
PLANNED	2/28/2018	1	87	87
PLANNED	2/28/2018	10	230	23
PLANNED	2/28/2018	3	246	82
PLANNED	2/28/2018	1	74	74
PLANNED	2/28/2018	2	330	165
PLANNED	2/28/2018	1	176	176
PLANNED	2/28/2018	13	520	40
PLANNED	2/28/2018	1	22	22
PLANNED	2/28/2018	1	25	25
PLANNED	2/28/2018	39	3,315	85
PLANNED	2/28/2018	10	265	57
PLANNED	2/28/2018	7	1,127	161
PLANNED	2/28/2018	2	254	127
PLANNED	2/28/2018	12	2,292	191
PLANNED	2/28/2018	1	73	73
PLANNED	2/28/2018	10	1,230	123
PLANNED	2/28/2018	3	261	87
PLANNED	2/28/2018	10	1,310	131
PLANNED	2/28/2018	3	27	9
PLANNED	2/28/2018	2	124	62
PLANNED	2/28/2018	3	66	22
PLANNED	2/28/2018	2	306	153
PLANNED	2/28/2018	7	546	78
PLANNED	2/28/2018	5	315	63
PLANNED	2/28/2018	10	130	13
PLANNED	2/28/2018	4	888	222
PLANNED	2/28/2018	34	2,550	75

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	2/28/2018	7	133	19
PLANNED	2/28/2018	1	136	136
PLANNED	2/28/2018	6	1,122	187
PLANNED	2/28/2018	1	33	33
PLANNED	2/28/2018	9	45	5
PLANNED	2/28/2018	21	1,449	69
PLANNED	2/28/2018	8	128	16
PLANNED	2/28/2018	2	96	48
PLANNED	2/28/2018	3	501	167
PLANNED	2/28/2018	1	26	26
PLANNED	2/28/2018	13	1,703	131
PLANNED	2/28/2018	8	56	7
PLANNED	2/28/2018	3	450	150
PLANNED	2/28/2018	1	50	50
PLANNED	2/28/2018	3	230	86
PLANNED	2/28/2018	3	429	143
PLANNED	2/28/2018	1	92	92
PLANNED	2/28/2018	8	272	34
PLANNED	2/28/2018	16	1,424	89
PLANNED	2/28/2018	2	196	98
PLANNED	2/28/2018	1	37	37
PLANNED	2/28/2018	2	80	40
PLANNED	2/28/2018	2	214	107
PLANNED	2/28/2018	10	40	4
PLANNED	2/28/2018	17	1,224	72
PLANNED	2/28/2018	4	544	136
PLANNED	2/28/2018	1	89	89
PLANNED	2/28/2018	9	225	25
PLANNED	2/28/2018	1	30	30
PLANNED	2/28/2018	9	675	75
PLANNED	2/28/2018	2	140	70
PLANNED	2/28/2018	10	840	84
PLANNED	2/28/2018	1	52	52
CUSTOMER REQUEST	2/28/2018	47	1,645	35
PLANNED	2/28/2018	2	140	70
PLANNED	2/28/2018	12	876	73
PLANNED	2/28/2018	12	876	73
PLANNED	2/28/2018	32	2,336	73
CUSTOMER REQUEST	2/28/2018	53	742	14
PLANNED	2/28/2018	1	362	362
PLANNED	2/28/2018	2	160	80
CUSTOMER REQUEST	2/28/2018	1	185	185
PLANNED	2/28/2018	1	107	107
PLANNED	2/28/2018	23	3,151	137
PLANNED	2/28/2018	2	234	117
PLANNED	3/1/2018	2	222	111
PLANNED	3/1/2018	4	480	120
PLANNED	3/1/2018	2	172	86
PLANNED	3/1/2018	11	1,573	143
PLANNED	3/1/2018	5	345	69
PLANNED	3/1/2018	1	154	154

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/1/2018	4	876	219
PLANNED	3/1/2018	4	308	77
PLANNED	3/1/2018	10	1,660	166
PLANNED	3/1/2018	1	66	66
PLANNED	3/1/2018	2	180	90
PLANNED	3/1/2018	10	550	55
PLANNED	3/1/2018	28	1,288	46
PLANNED	3/1/2018	7	266	38
CUSTOMER REQUEST	3/1/2018	1	33	33
PLANNED	3/1/2018	12	816	68
PLANNED	3/1/2018	2	186	93
PLANNED	3/1/2018	5	545	109
PLANNED	3/1/2018	6	642	107
PLANNED	3/1/2018	6	654	109
PLANNED	3/1/2018	8	872	109
PLANNED	3/1/2018	10	1,090	109
PLANNED	3/1/2018	12	1,308	109
CUSTOMER REQUEST	3/1/2018	31	217	7
PLANNED	3/1/2018	2	208	104
PLANNED	3/1/2018	1	114	114
CUSTOMER REQUEST	3/1/2018	3	1,044	348
PLANNED	3/1/2018	17	2,958	174
PLANNED	3/1/2018	6	1,062	177
PLANNED	3/1/2018	5	505	101
PLANNED	3/1/2018	7	707	101
PLANNED	3/1/2018	1	130	130
PLANNED	3/1/2018	4	140	35
PLANNED	3/1/2018	7	49	7
PLANNED	3/1/2018	1	105	105
PLANNED	3/1/2018	4	616	154
PLANNED	3/1/2018	3	126	42
PLANNED	3/1/2018	1	121	121
PLANNED	3/1/2018	5	240	48
PLANNED	3/1/2018	39	234	6
PLANNED	3/1/2018	7	301	43
PLANNED	3/1/2018	4	340	85
PLANNED	3/1/2018	11	352	32
PLANNED	3/1/2018	16	736	46
CUSTOMER REQUEST	3/1/2018	12	12	1
PLANNED	3/1/2018	9	1,134	126
PLANNED	3/1/2018	6	726	121
CUSTOMER REQUEST	3/1/2018	4	124	31
PLANNED	3/1/2018	2	118	59
PLANNED	3/1/2018	10	2,410	241
CUSTOMER REQUEST	3/1/2018	8	888	111
PLANNED	3/1/2018	3	552	184
PLANNED	3/1/2018	6	1,248	208
PLANNED	3/1/2018	6	576	96
PLANNED	3/1/2018	1	491	491
PLANNED	3/1/2018	4	204	51
PLANNED	3/1/2018	2	516	258

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/1/2018	6	792	132
PLANNED	3/1/2018	1	48	48
PLANNED	3/1/2018	9	828	92
PLANNED	3/1/2018	2	268	134
PLANNED	3/1/2018	3	348	116
PLANNED	3/1/2018	11	660	60
PLANNED	3/1/2018	6	1,410	235
PLANNED	3/1/2018	1	199	199
PLANNED	3/1/2018	2	52	26
PLANNED	3/1/2018	1	42	42
PLANNED	3/1/2018	2	56	45
PLANNED	3/1/2018	1	101	101
PLANNED	3/1/2018	1	94	94
PLANNED	3/1/2018	13	169	13
PLANNED	3/1/2018	6	240	40
PLANNED	3/1/2018	9	423	47
PLANNED	3/1/2018	2	152	76
PLANNED	3/1/2018	1	126	126
PLANNED	3/1/2018	1	75	75
PLANNED	3/1/2018	4	100	25
PLANNED	3/1/2018	1	120	120
PLANNED	3/1/2018	1	18	18
PLANNED	3/1/2018	1	50	50
PLANNED	3/1/2018	8	1,664	208
CUSTOMER REQUEST	3/1/2018	4	76	19
PLANNED	3/1/2018	1	68	68
PLANNED	3/1/2018	4	576	144
PLANNED	3/1/2018	2	216	108
PLANNED	3/1/2018	58	11,774	203
PLANNED	3/1/2018	11	1,969	179
PLANNED	3/1/2018	2	80	40
PLANNED	3/1/2018	12	36	3
PLANNED	3/1/2018	10	3,270	327
PLANNED	3/1/2018	9	1,197	133
PLANNED	3/1/2018	1	92	92
PLANNED	3/1/2018	7	399	57
PLANNED	3/1/2018	1	56	56
PLANNED	3/1/2018	1	23	23
PLANNED	3/1/2018	1	88	88
CUSTOMER REQUEST	3/1/2018	3	186	62
CUSTOMER REQUEST	3/1/2018	1	183	183
PLANNED	3/1/2018	4	212	53
PLANNED	3/1/2018	11	1,144	104
PLANNED	3/1/2018	4	164	41
PLANNED	3/1/2018	1	24	24
PLANNED	3/1/2018	3	480	160
CUSTOMER REQUEST	3/1/2018	9	477	53
PLANNED	3/1/2018	86	946	11
PLANNED	3/1/2018	3	249	83
PLANNED	3/1/2018	1	158	158
PLANNED	3/1/2018	3	426	142

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/1/2018	1	65	65
PLANNED	3/1/2018	1	161	161
CUSTOMER REQUEST	3/1/2018	1	100	100
CUSTOMER REQUEST	3/1/2018	53	3,127	59
CUSTOMER REQUEST	3/2/2018	10	240	24
PLANNED	3/2/2018	3	231	77
PLANNED	3/2/2018	3	147	49
PLANNED	3/2/2018	35	8,155	233
PLANNED	3/2/2018	1	244	244
PLANNED	3/2/2018	2	170	85
PLANNED	3/2/2018	66	7,524	114
PLANNED	3/2/2018	8	880	110
PLANNED	3/2/2018	1	141	141
PLANNED	3/2/2018	15	1,335	89
PLANNED	3/2/2018	11	814	74
PLANNED	3/2/2018	4	864	216
PLANNED	3/2/2018	2	372	186
CUSTOMER REQUEST	3/2/2018	2	32	16
PLANNED	3/2/2018	8	248	31
CUSTOMER REQUEST	3/2/2018	1	2	2
PLANNED	3/2/2018	9	333	37
CUSTOMER REQUEST	3/2/2018	6	786	131
PLANNED	3/2/2018	15	1,920	128
PLANNED	3/2/2018	1	60	60
PLANNED	3/2/2018	6	66	11
PLANNED	3/2/2018	6	1,026	171
PLANNED	3/2/2018	6	264	44
PLANNED	3/2/2018	1	230	230
PLANNED	3/2/2018	12	2,064	172
PLANNED	3/2/2018	6	468	78
PLANNED	3/2/2018	4	324	81
PLANNED	3/2/2018	9	63	7
PLANNED	3/2/2018	6	366	61
PLANNED	3/2/2018	6	48	8
PLANNED	3/2/2018	7	273	39
PLANNED	3/2/2018	2	102	51
PLANNED	3/2/2018	1	33	33
PLANNED	3/2/2018	1	25	25
PLANNED	3/2/2018	5	920	184
PLANNED	3/2/2018	1	56	56
PLANNED	3/2/2018	8	920	115
CUSTOMER REQUEST	3/2/2018	7	938	134
PLANNED	3/2/2018	2	98	49
PLANNED	3/2/2018	16	1,408	88
PLANNED	3/2/2018	9	153	17
PLANNED	3/2/2018	8	40	5
PLANNED	3/2/2018	4	296	74
PLANNED	3/2/2018	8	72	9
PLANNED	3/2/2018	8	232	29
PLANNED	3/2/2018	7	84	12
PLANNED	3/2/2018	5	160	32

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/2/2018	10	1,490	149
PLANNED	3/2/2018	3	123	41
PLANNED	3/2/2018	16	1,696	106
PLANNED	3/2/2018	1	30	30
PLANNED	3/2/2018	1	12	12
PLANNED	3/2/2018	7	672	96
PLANNED	3/2/2018	5	60	12
PLANNED	3/2/2018	1	201	201
PLANNED	3/3/2018	4	1,032	258
PLANNED	3/3/2018	4	2,340	585
PLANNED	3/3/2018	4	552	138
PLANNED	3/3/2018	2	180	90
PLANNED	3/3/2018	3	180	60
PLANNED	3/3/2018	2	158	79
PLANNED	3/3/2018	5	775	155
PLANNED	3/3/2018	3	288	96
CUSTOMER REQUEST	3/3/2018	1	123	123
PLANNED	3/3/2018	2	736	368
PLANNED	3/3/2018	5	180	36
PLANNED	3/3/2018	1	102	102
PLANNED	3/3/2018	1	144	144
PLANNED	3/3/2018	2	74	37
PLANNED	3/3/2018	3	222	74
PLANNED	3/3/2018	6	30	5
PLANNED	3/3/2018	12	588	49
PLANNED	3/3/2018	2	192	96
PLANNED	3/3/2018	2	30	15
PLANNED	3/3/2018	1	334	334
PLANNED	3/3/2018	4	488	122
PLANNED	3/4/2018	6	1,434	239
PLANNED	3/4/2018	8	1,856	232
PLANNED	3/4/2018	1	90	90
PLANNED	3/4/2018	30	3,150	105
PLANNED	3/4/2018	15	1,440	96
PLANNED	3/4/2018	6	318	53
PLANNED	3/4/2018	3	1,365	455
CUSTOMER REQUEST	3/4/2018	35	1,750	50
PLANNED	3/4/2018	1	536	536
PLANNED	3/4/2018	21	2,721	413
PLANNED	3/4/2018	1	370	370
PLANNED	3/4/2018	1	391	391
PLANNED	3/4/2018	2	106	53
PLANNED	3/5/2018	1	15	15
PLANNED	3/5/2018	5	250	50
PLANNED	3/5/2018	6	402	67
PLANNED	3/5/2018	9	306	34
PLANNED	3/5/2018	13	2,236	172
PLANNED	3/5/2018	13	806	62
PLANNED	3/5/2018	4	328	82
CUSTOMER REQUEST	3/5/2018	1	321	321
PLANNED	3/5/2018	10	40	4

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/5/2018	2	358	179
PLANNED	3/5/2018	6	1,398	233
PLANNED	3/5/2018	8	328	41
PLANNED	3/5/2018	2	64	32
PLANNED	3/5/2018	1	94	94
PLANNED	3/5/2018	7	364	52
PLANNED	3/5/2018	7	350	50
PLANNED	3/5/2018	6	1,848	308
PLANNED	3/5/2018	4	940	235
PLANNED	3/5/2018	3	81	27
PLANNED	3/5/2018	9	495	55
PLANNED	3/5/2018	4	660	165
PLANNED	3/5/2018	8	336	42
PLANNED	3/5/2018	21	693	33
PLANNED	3/5/2018	13	1,599	123
PLANNED	3/5/2018	31	2,046	66
PLANNED	3/5/2018	3	249	83
PLANNED	3/5/2018	6	498	83
PLANNED	3/5/2018	4	376	94
PLANNED	3/5/2018	1	82	82
PLANNED	3/5/2018	4	132	33
PLANNED	3/5/2018	4	271	77
PLANNED	3/5/2018	5	205	41
PLANNED	3/5/2018	4	152	38
PLANNED	3/5/2018	10	990	99
PLANNED	3/5/2018	1	20	20
PLANNED	3/5/2018	4	1,016	254
PLANNED	3/5/2018	6	150	25
PLANNED	3/5/2018	19	627	33
PLANNED	3/5/2018	4	932	233
PLANNED	3/5/2018	7	462	66
PLANNED	3/5/2018	7	42	6
PLANNED	3/5/2018	12	1,488	149
PLANNED	3/5/2018	31	1,426	46
PLANNED	3/5/2018	17	850	50
PLANNED	3/5/2018	7	707	101
PLANNED	3/5/2018	3	90	30
PLANNED	3/5/2018	7	126	18
PLANNED	3/5/2018	8	336	42
PLANNED	3/5/2018	13	13	1
PLANNED	3/5/2018	2	114	57
PLANNED	3/5/2018	4	428	107
PLANNED	3/5/2018	1	90	90
CUSTOMER REQUEST	3/5/2018	1	332	332
PLANNED	3/5/2018	2	174	87
PLANNED	3/5/2018	9	162	18
PLANNED	3/5/2018	6	396	66
PLANNED	3/5/2018	2	342	171
PLANNED	3/5/2018	4	292	73
PLANNED	3/5/2018	2	106	53
PLANNED	3/5/2018	7	8,876	1,268

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/5/2018	6	162	27
PLANNED	3/5/2018	3	225	75
PLANNED	3/5/2018	1	39	39
PLANNED	3/5/2018	1	95	95
PLANNED	3/5/2018	10	10	1
PLANNED	3/5/2018	1	181	181
PLANNED	3/5/2018	1	92	92
CUSTOMER REQUEST	3/6/2018	1	653	653
PLANNED	3/6/2018	2	248	124
PLANNED	3/6/2018	60	3,660	61
PLANNED	3/6/2018	8	824	103
PLANNED	3/6/2018	17	1,598	94
PLANNED	3/6/2018	2	192	96
PLANNED	3/6/2018	3	357	119
PLANNED	3/6/2018	7	644	92
PLANNED	3/6/2018	8	632	79
PLANNED	3/6/2018	1	121	121
PLANNED	3/6/2018	8	632	79
PLANNED	3/6/2018	4	820	205
PLANNED	3/6/2018	1	40	40
PLANNED	3/6/2018	4	608	152
PLANNED	3/6/2018	7	406	58
PLANNED	3/6/2018	3	372	124
PLANNED	3/6/2018	3	369	123
PLANNED	3/6/2018	6	462	77
PLANNED	3/6/2018	2	326	163
PLANNED	3/6/2018	6	426	71
PLANNED	3/6/2018	50	300	6
PLANNED	3/6/2018	6	930	155
PLANNED	3/6/2018	9	315	35
PLANNED	3/6/2018	17	1,411	83
PLANNED	3/6/2018	8	56	7
PLANNED	3/6/2018	4	252	63
CUSTOMER REQUEST	3/6/2018	7	476	68
PLANNED	3/6/2018	2	590	295
PLANNED	3/6/2018	12	936	78
PLANNED	3/6/2018	1	86	86
PLANNED	3/6/2018	4	920	230
PLANNED	3/6/2018	7	868	124
PLANNED	3/6/2018	6	1,266	211
PLANNED	3/6/2018	2	110	55
PLANNED	3/6/2018	10	150	15
PLANNED	3/6/2018	1	187	187
PLANNED	3/6/2018	11	2,750	250
PLANNED	3/6/2018	3	3,030	1,010
PLANNED	3/6/2018	13	12,272	944
PLANNED	3/6/2018	36	33,660	935
CUSTOMER REQUEST	3/6/2018	1	78	78
PLANNED	3/6/2018	5	125	25
PLANNED	3/6/2018	2	222	111
PLANNED	3/6/2018	13	1,443	111

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/6/2018	4	28	7
PLANNED	3/6/2018	2	164	82
PLANNED	3/6/2018	6	198	33
PLANNED	3/6/2018	5	530	106
PLANNED	3/6/2018	4	1,228	307
PLANNED	3/6/2018	1	68	68
PLANNED	3/6/2018	8	848	106
PLANNED	3/6/2018	8	840	105
CUSTOMER REQUEST	3/6/2018	1	261	261
PLANNED	3/6/2018	7	294	42
PLANNED	3/6/2018	1	161	161
PLANNED	3/6/2018	5	1,430	286
PLANNED	3/6/2018	6	222	37
PLANNED	3/6/2018	2	244	122
PLANNED	3/6/2018	4	232	58
PLANNED	3/6/2018	8	360	45
PLANNED	3/6/2018	8	424	53
PLANNED	3/6/2018	12	672	56
CUSTOMER REQUEST	3/6/2018	202	83,923	427
CUSTOMER REQUEST	3/6/2018	9	216	24
CUSTOMER REQUEST	3/6/2018	6	654	109
PLANNED	3/6/2018	41	1,189	29
PLANNED	3/6/2018	2	204	102
PLANNED	3/6/2018	8	1,616	202
PLANNED	3/6/2018	18	1,872	104
PLANNED	3/6/2018	16	2,592	162
PLANNED	3/6/2018	2	314	157
PLANNED	3/6/2018	5	490	98
PLANNED	3/6/2018	2	208	104
PLANNED	3/6/2018	4	244	61
PLANNED	3/6/2018	1	159	159
PLANNED	3/6/2018	50	200	4
PLANNED	3/6/2018	10	360	36
PLANNED	3/6/2018	14	98	7
PLANNED	3/6/2018	1	58	58
PLANNED	3/6/2018	18	2,142	119
PLANNED	3/6/2018	4	220	55
PLANNED	3/6/2018	16	1,232	77
PLANNED	3/6/2018	8	968	121
CUSTOMER REQUEST	3/6/2018	9	369	41
PLANNED	3/6/2018	2	36	18
PLANNED	3/6/2018	2	198	99
PLANNED	3/6/2018	2	112	56
PLANNED	3/6/2018	1	30	30
PLANNED	3/6/2018	1	36	36
PLANNED	3/6/2018	3	342	114
PLANNED	3/6/2018	7	854	122
PLANNED	3/6/2018	5	40	8
PLANNED	3/6/2018	3	12	4
PLANNED	3/6/2018	4	24	6
PLANNED	3/6/2018	1	120	120

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/6/2018	18	1,278	71
PLANNED	3/6/2018	3	327	109
PLANNED	3/6/2018	10	80	8
PLANNED	3/6/2018	6	54	9
CUSTOMER REQUEST	3/6/2018	1	144	144
PLANNED	3/6/2018	18	1,170	65
PLANNED	3/6/2018	1	36	36
PLANNED	3/6/2018	8	96	12
CUSTOMER REQUEST	3/6/2018	1	123	123
PLANNED	3/6/2018	8	344	43
PLANNED	3/6/2018	1	20	20
PLANNED	3/6/2018	4	392	98
PLANNED	3/6/2018	1	134	134
PLANNED	3/6/2018	8	576	72
PLANNED	3/6/2018	3	345	115
PLANNED	3/6/2018	5	205	41
PLANNED	3/6/2018	10	720	72
PLANNED	3/7/2018	14	1,512	108
PLANNED	3/7/2018	5	715	143
PLANNED	3/7/2018	18	1,566	87
PLANNED	3/7/2018	6	636	106
PLANNED	3/7/2018	8	504	63
PLANNED	3/7/2018	2	230	115
CUSTOMER REQUEST	3/7/2018	1	14	14
PLANNED	3/7/2018	2	244	122
PLANNED	3/7/2018	5	810	162
PLANNED	3/7/2018	20	2,500	125
PLANNED	3/7/2018	4	1,184	296
PLANNED	3/7/2018	1	192	192
PLANNED	3/7/2018	12	960	80
PLANNED	3/7/2018	1	61	61
PLANNED	3/7/2018	6	294	49
PLANNED	3/7/2018	4	432	108
PLANNED	3/7/2018	18	1,962	109
PLANNED	3/7/2018	4	48	12
CUSTOMER REQUEST	3/7/2018	1	318	318
PLANNED	3/7/2018	8	536	67
PLANNED	3/7/2018	19	3,458	182
PLANNED	3/7/2018	12	456	38
PLANNED	3/7/2018	3	267	89
PLANNED	3/7/2018	2	108	54
PLANNED	3/7/2018	3	423	141
PLANNED	3/7/2018	1	312	312
PLANNED	3/7/2018	4	128	32
PLANNED	3/7/2018	10	320	32
PLANNED	3/7/2018	11	484	44
PLANNED	3/7/2018	5	445	89
PLANNED	3/7/2018	2	494	247
PLANNED	3/7/2018	18	3,420	190
PLANNED	3/7/2018	6	312	52
PLANNED	3/7/2018	1	339	339

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/7/2018	2	414	207
PLANNED	3/7/2018	9	1,926	214
PLANNED	3/7/2018	14	1,946	139
PLANNED	3/7/2018	6	414	69
PLANNED	3/7/2018	1	256	256
PLANNED	3/7/2018	3	249	83
PLANNED	3/7/2018	4	208	52
PLANNED	3/7/2018	8	40	5
PLANNED	3/7/2018	8	1,624	203
PLANNED	3/7/2018	13	2,275	175
PLANNED	3/7/2018	2	310	155
PLANNED	3/7/2018	2	18	9
PLANNED	3/7/2018	1	107	107
PLANNED	3/7/2018	11	814	74
PLANNED	3/7/2018	9	180	20
PLANNED	3/7/2018	2	784	392
PLANNED	3/7/2018	16	208	13
PLANNED	3/7/2018	11	1,012	92
PLANNED	3/7/2018	10	790	79
PLANNED	3/7/2018	2	148	74
PLANNED	3/7/2018	19	988	52
PLANNED	3/7/2018	2	186	93
PLANNED	3/7/2018	4	768	192
PLANNED	3/7/2018	1	18	18
PLANNED	3/7/2018	4	180	45
PLANNED	3/7/2018	6	228	38
PLANNED	3/7/2018	6	168	28
PLANNED	3/7/2018	12	384	32
PLANNED	3/7/2018	2	60	30
PLANNED	3/7/2018	18	1,710	95
PLANNED	3/7/2018	5	505	101
PLANNED	3/7/2018	61	7,686	126
PLANNED	3/7/2018	2	228	114
PLANNED	3/7/2018	5	395	79
CUSTOMER REQUEST	3/7/2018	2	82	41
PLANNED	3/7/2018	7	42	6
CUSTOMER REQUEST	3/7/2018	1	67	67
PLANNED	3/7/2018	1	70	70
PLANNED	3/7/2018	1	5	5
PLANNED	3/7/2018	9	252	28
PLANNED	3/7/2018	1	56	56
PLANNED	3/7/2018	2	132	66
PLANNED	3/7/2018	8	872	109
PLANNED	3/7/2018	3	210	70
PLANNED	3/7/2018	4	564	141
PLANNED	3/7/2018	2	24	12
PLANNED	3/7/2018	18	1,368	76
PLANNED	3/7/2018	6	648	108
PLANNED	3/7/2018	2	330	165
PLANNED	3/7/2018	31	310	10
PLANNED	3/7/2018	1	289	289

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/7/2018	2	1,142	571
CUSTOMER REQUEST	3/7/2018	1	181	181
PLANNED	3/7/2018	1	200	200
PLANNED	3/7/2018	10	1,080	108
CUSTOMER REQUEST	3/7/2018	1	190	190
CUSTOMER REQUEST	3/7/2018	1	229	229
PLANNED	3/7/2018	7	525	75
PLANNED	3/7/2018	5	1,025	205
PLANNED	3/7/2018	1	13	13
PLANNED	3/7/2018	1	101	101
PLANNED	3/7/2018	10	1,130	113
PLANNED	3/7/2018	5	130	26
PLANNED	3/8/2018	1	68	68
PLANNED	3/8/2018	1	54	54
PLANNED	3/8/2018	2	192	96
PLANNED	3/8/2018	7	686	98
PLANNED	3/8/2018	1	25	25
PLANNED	3/8/2018	14	1,092	78
PLANNED	3/8/2018	4	576	144
PLANNED	3/8/2018	11	1,606	146
PLANNED	3/8/2018	17	833	49
PLANNED	3/8/2018	1	153	153
PLANNED	3/8/2018	8	240	30
PLANNED	3/8/2018	8	640	80
PLANNED	3/8/2018	10	800	80
PLANNED	3/8/2018	12	1,632	136
PLANNED	3/8/2018	12	1,704	142
PLANNED	3/8/2018	2	196	98
PLANNED	3/8/2018	1	115	115
PLANNED	3/8/2018	3	378	126
PLANNED	3/8/2018	2	124	62
PLANNED	3/8/2018	19	1,254	66
PLANNED	3/8/2018	6	528	88
PLANNED	3/8/2018	27	3,348	124
PLANNED	3/8/2018	1	62	62
PLANNED	3/8/2018	17	833	49
PLANNED	3/8/2018	4	416	104
CUSTOMER REQUEST	3/8/2018	2	14	7
PLANNED	3/8/2018	9	648	72
PLANNED	3/8/2018	8	592	74
PLANNED	3/8/2018	5	130	26
PLANNED	3/8/2018	2	66	33
PLANNED	3/8/2018	1	160	160
CUSTOMER REQUEST	3/8/2018	12	4,032	336
CUSTOMER REQUEST	3/8/2018	14	4,704	336
PLANNED	3/8/2018	10	130	13
PLANNED	3/8/2018	2	110	55
PLANNED	3/8/2018	1	205	205
CUSTOMER REQUEST	3/8/2018	76	37,487	512
PLANNED	3/8/2018	7	322	46
PLANNED	3/8/2018	7	1,246	178

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/8/2018	9	1,764	196
PLANNED	3/8/2018	8	1,448	181
PLANNED	3/8/2018	2	196	98
CUSTOMER REQUEST	3/8/2018	23	1,725	75
PLANNED	3/8/2018	6	60	10
PLANNED	3/8/2018	25	6,250	250
PLANNED	3/8/2018	6	30	5
PLANNED	3/8/2018	11	242	22
PLANNED	3/8/2018	2	290	145
PLANNED	3/8/2018	4	904	226
PLANNED	3/8/2018	9	342	38
PLANNED	3/8/2018	9	405	45
PLANNED	3/8/2018	7	175	25
PLANNED	3/8/2018	3	315	105
PLANNED	3/8/2018	6	1,254	209
CUSTOMER REQUEST	3/8/2018	5	225	45
PLANNED	3/8/2018	5	380	76
PLANNED	3/8/2018	8	360	45
PLANNED	3/8/2018	25	6,375	255
PLANNED	3/8/2018	1	11	11
CUSTOMER REQUEST	3/8/2018	1	88	88
PLANNED	3/8/2018	1	125	125
PLANNED	3/8/2018	1	79	79
PLANNED	3/8/2018	2	454	227
PLANNED	3/8/2018	2	168	84
PLANNED	3/8/2018	1	17	17
PLANNED	3/8/2018	31	775	25
PLANNED	3/8/2018	9	450	50
PLANNED	3/8/2018	1	157	157
PLANNED	3/8/2018	4	448	112
PLANNED	3/8/2018	30	690	23
PLANNED	3/8/2018	18	1,638	91
PLANNED	3/8/2018	1	233	233
PLANNED	3/8/2018	23	1,357	59
PLANNED	3/8/2018	3	315	105
PLANNED	3/8/2018	4	528	132
PLANNED	3/8/2018	4	220	55
PLANNED	3/8/2018	2	222	111
PLANNED	3/8/2018	1	73	73
CUSTOMER REQUEST	3/8/2018	7	77	11
PLANNED	3/8/2018	3	630	210
PLANNED	3/8/2018	8	456	57
PLANNED	3/8/2018	4	136	34
PLANNED	3/8/2018	4	804	201
PLANNED	3/8/2018	3	211	80
PLANNED	3/8/2018	19	646	34
PLANNED	3/8/2018	1	109	109
PLANNED	3/8/2018	1	145	145
CUSTOMER REQUEST	3/8/2018	8	96	12
PLANNED	3/8/2018	1	88	88
PLANNED	3/8/2018	1	35	35

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/8/2018	10	310	31
PLANNED	3/8/2018	1	3	3
PLANNED	3/8/2018	2	10	5
PLANNED	3/8/2018	19	1,159	61
PLANNED	3/8/2018	6	366	61
PLANNED	3/8/2018	2	346	173
PLANNED	3/8/2018	6	168	28
PLANNED	3/8/2018	3	621	207
PLANNED	3/8/2018	2	150	75
PLANNED	3/8/2018	1	189	189
PLANNED	3/8/2018	1	25	25
PLANNED	3/8/2018	24	8,448	352
CUSTOMER REQUEST	3/8/2018	4	56	14
CUSTOMER REQUEST	3/8/2018	1	3	3
PLANNED	3/8/2018	5	1,510	302
PLANNED	3/8/2018	1	81	81
PLANNED	3/8/2018	1	158	158
PLANNED	3/8/2018	1	141	141
PLANNED	3/8/2018	6	456	76
PLANNED	3/8/2018	1	158	158
PLANNED	3/8/2018	2	316	158
PLANNED	3/8/2018	1	75	75
PLANNED	3/8/2018	8	376	47
PLANNED	3/8/2018	3	374	126
PLANNED	3/8/2018	26	7,540	290
PLANNED	3/9/2018	5	1,405	281
PLANNED	3/9/2018	1	116	116
PLANNED	3/9/2018	4	484	121
PLANNED	3/9/2018	25	4,400	176
PLANNED	3/9/2018	1	243	243
PLANNED	3/9/2018	8	792	99
PLANNED	3/9/2018	8	848	106
CUSTOMER REQUEST	3/9/2018	6	1,002	167
PLANNED	3/9/2018	2	118	59
PLANNED	3/9/2018	12	972	81
PLANNED	3/9/2018	1	24	24
PLANNED	3/9/2018	7	630	90
PLANNED	3/9/2018	15	300	20
PLANNED	3/9/2018	2	156	78
PLANNED	3/9/2018	4	40	10
PLANNED	3/9/2018	7	1,218	174
PLANNED	3/9/2018	12	240	20
PLANNED	3/9/2018	2	366	183
PLANNED	3/9/2018	6	54	9
PLANNED	3/9/2018	2	350	175
PLANNED	3/9/2018	1	43	43
PLANNED	3/9/2018	1	46	46
CUSTOMER REQUEST	3/9/2018	8	8	1
PLANNED	3/9/2018	2	144	72
PLANNED	3/9/2018	7	413	59
PLANNED	3/9/2018	18	1,440	80

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/9/2018	5	550	110
PLANNED	3/9/2018	10	730	73
PLANNED	3/9/2018	8	720	90
PLANNED	3/9/2018	1	79	79
PLANNED	3/9/2018	5	70	14
PLANNED	3/9/2018	4	696	174
PLANNED	3/9/2018	57	1,881	33
PLANNED	3/9/2018	6	54	9
PLANNED	3/9/2018	1	77	77
CUSTOMER REQUEST	3/9/2018	1	58	58
PLANNED	3/9/2018	2	44	22
CUSTOMER REQUEST	3/9/2018	16	256	16
PLANNED	3/9/2018	4	32	8
PLANNED	3/9/2018	4	764	191
CUSTOMER REQUEST	3/9/2018	2	88	44
PLANNED	3/9/2018	1	23	23
PLANNED	3/9/2018	22	1,628	74
CUSTOMER REQUEST	3/9/2018	170	1,190	7
PLANNED	3/9/2018	3	21	7
PLANNED	3/9/2018	2	54	27
PLANNED	3/9/2018	1	70	70
PLANNED	3/9/2018	22	1,540	70
CUSTOMER REQUEST	3/9/2018	1	197	197
PLANNED	3/9/2018	3	33	11
PLANNED	3/9/2018	1	172	172
CUSTOMER REQUEST	3/9/2018	1	190	190
PLANNED	3/10/2018	2	270	135
PLANNED	3/10/2018	1	271	271
CUSTOMER REQUEST	3/10/2018	1	271	271
PLANNED	3/10/2018	4	2,044	511
PLANNED	3/10/2018	1	405	405
PLANNED	3/10/2018	9	1,845	205
PLANNED	3/10/2018	5	490	98
PLANNED	3/10/2018	6	1,050	175
CUSTOMER REQUEST	3/10/2018	1	212	212
PLANNED	3/10/2018	8	1,520	190
PLANNED	3/10/2018	2	256	128
PLANNED	3/10/2018	2	154	77
CUSTOMER REQUEST	3/10/2018	1	182	182
PLANNED	3/10/2018	1	125	125
PLANNED	3/10/2018	3	72	24
PLANNED	3/10/2018	3	24	8
PLANNED	3/10/2018	6	696	116
CUSTOMER REQUEST	3/10/2018	112	1,916	136
PLANNED	3/10/2018	17	3,995	235
CUSTOMER REQUEST	3/10/2018	5	130	26
CUSTOMER REQUEST	3/11/2018	2,112	49,164	30
PLANNED	3/11/2018	3	453	151
PLANNED	3/11/2018	4	432	108
PLANNED	3/11/2018	1	160	160
PLANNED	3/11/2018	1	412	412

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/11/2018	1	413	413
PLANNED	3/11/2018	1	362	362
PLANNED	3/11/2018	3	1,134	378
PLANNED	3/11/2018	1	153	153
PLANNED	3/11/2018	2	412	206
PLANNED	3/11/2018	1	48	48
PLANNED	3/11/2018	2	144	72
PLANNED	3/11/2018	9	819	91
PLANNED	3/11/2018	1	90	90
PLANNED	3/11/2018	5	710	142
PLANNED	3/11/2018	5	145	29
PLANNED	3/11/2018	1	38	38
CUSTOMER REQUEST	3/11/2018	1	141	141
PLANNED	3/12/2018	6	594	99
PLANNED	3/12/2018	3	222	74
PLANNED	3/12/2018	9	657	73
CUSTOMER REQUEST	3/12/2018	1	129	129
PLANNED	3/12/2018	11	2,882	262
PLANNED	3/12/2018	2	66	33
PLANNED	3/12/2018	1	83	83
PLANNED	3/12/2018	11	539	49
PLANNED	3/12/2018	9	603	67
CUSTOMER REQUEST	3/12/2018	20	57,900	2,895
PLANNED	3/12/2018	7	952	136
PLANNED	3/12/2018	3	300	100
PLANNED	3/12/2018	8	1,064	133
PLANNED	3/12/2018	4	388	97
PLANNED	3/12/2018	9	792	88
PLANNED	3/12/2018	8	704	88
PLANNED	3/12/2018	10	880	88
PLANNED	3/12/2018	3	738	246
PLANNED	3/12/2018	12	1,344	112
PLANNED	3/12/2018	4	216	54
PLANNED	3/12/2018	2	136	68
PLANNED	3/12/2018	4	292	73
PLANNED	3/12/2018	5	270	54
PLANNED	3/12/2018	1	94	94
PLANNED	3/12/2018	7	1,988	284
CUSTOMER REQUEST	3/12/2018	9	414	46
PLANNED	3/12/2018	8	536	67
PLANNED	3/12/2018	6	804	134
PLANNED	3/12/2018	7	2,016	288
PLANNED	3/12/2018	5	460	92
PLANNED	3/12/2018	7	567	81
PLANNED	3/12/2018	3	882	294
PLANNED	3/12/2018	14	980	70
PLANNED	3/12/2018	3	105	35
PLANNED	3/12/2018	11	4,576	416
PLANNED	3/12/2018	1	280	280
PLANNED	3/12/2018	1	89	89
PLANNED	3/12/2018	1	308	308

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/12/2018	8	512	64
PLANNED	3/12/2018	18	1,926	107
PLANNED	3/12/2018	1	109	109
PLANNED	3/12/2018	3	453	151
PLANNED	3/12/2018	4	224	56
CUSTOMER REQUEST	3/12/2018	1	164	164
PLANNED	3/12/2018	1	28	28
PLANNED	3/12/2018	5	795	159
CUSTOMER REQUEST	3/12/2018	6	396	66
PLANNED	3/12/2018	12	852	71
PLANNED	3/12/2018	3	3	1
PLANNED	3/12/2018	8	336	42
PLANNED	3/12/2018	7	224	32
PLANNED	3/12/2018	3	285	95
PLANNED	3/12/2018	13	533	41
PLANNED	3/12/2018	7	133	19
PLANNED	3/12/2018	5	120	24
PLANNED	3/12/2018	2	230	115
PLANNED	3/12/2018	45	3,375	75
PLANNED	3/12/2018	1	54	54
PLANNED	3/12/2018	6	2,166	361
PLANNED	3/12/2018	6	588	98
PLANNED	3/12/2018	12	600	50
PLANNED	3/12/2018	1	15	15
PLANNED	3/12/2018	25	1,450	58
PLANNED	3/12/2018	11	715	65
PLANNED	3/12/2018	1	75	75
PLANNED	3/12/2018	5	250	50
PLANNED	3/12/2018	11	638	58
PLANNED	3/12/2018	3	90	30
PLANNED	3/12/2018	3	81	27
PLANNED	3/12/2018	5	595	119
PLANNED	3/12/2018	3	234	78
PLANNED	3/12/2018	1	291	291
PLANNED	3/12/2018	2	88	44
CUSTOMER REQUEST	3/12/2018	8	80	10
PLANNED	3/12/2018	4	256	64
PLANNED	3/12/2018	4	680	170
PLANNED	3/12/2018	1	227	227
PLANNED	3/12/2018	2	626	313
CUSTOMER REQUEST	3/12/2018	16	4,976	311
PLANNED	3/13/2018	1	278	278
PLANNED	3/13/2018	11	2,387	217
PLANNED	3/13/2018	2	144	72
PLANNED	3/13/2018	3	381	127
PLANNED	3/13/2018	1	183	183
PLANNED	3/13/2018	1	496	496
PLANNED	3/13/2018	7	364	52
PLANNED	3/13/2018	3	12	4
PLANNED	3/13/2018	30	9,090	303
PLANNED	3/13/2018	22	1,012	46

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/13/2018	1	77	77
PLANNED	3/13/2018	7	252	36
CUSTOMER REQUEST	3/13/2018	12	732	61
PLANNED	3/13/2018	3	24	8
PLANNED	3/13/2018	13	1,066	82
CUSTOMER REQUEST	3/13/2018	6	30	5
PLANNED	3/13/2018	1	138	138
PLANNED	3/13/2018	5	1,110	222
PLANNED	3/13/2018	2	238	119
PLANNED	3/13/2018	18	1,674	93
PLANNED	3/13/2018	17	1,836	108
PLANNED	3/13/2018	1	300	300
PLANNED	3/13/2018	8	504	63
PLANNED	3/13/2018	10	1,330	133
CUSTOMER REQUEST	3/13/2018	13	4,537	349
CUSTOMER REQUEST	3/13/2018	4	80	20
PLANNED	3/13/2018	8	1,160	145
PLANNED	3/13/2018	8	128	16
PLANNED	3/13/2018	3	291	97
PLANNED	3/13/2018	3	375	125
PLANNED	3/13/2018	6	714	119
PLANNED	3/13/2018	4	916	229
PLANNED	3/13/2018	1	163	163
PLANNED	3/13/2018	8	176	22
PLANNED	3/13/2018	2	132	66
PLANNED	3/13/2018	8	40	5
PLANNED	3/13/2018	4	72	18
PLANNED	3/13/2018	1	127	127
PLANNED	3/13/2018	8	248	31
PLANNED	3/13/2018	6	240	40
PLANNED	3/13/2018	29	232	8
PLANNED	3/13/2018	5	555	111
PLANNED	3/13/2018	1	107	107
CUSTOMER REQUEST	3/13/2018	2	46	23
CUSTOMER REQUEST	3/13/2018	1	125	125
PLANNED	3/13/2018	7	1,820	260
PLANNED	3/13/2018	1	75	75
PLANNED	3/13/2018	1	92	92
PLANNED	3/13/2018	1	300	300
PLANNED	3/13/2018	5	365	73
PLANNED	3/13/2018	1	168	168
PLANNED	3/13/2018	3	267	89
PLANNED	3/13/2018	5	960	192
PLANNED	3/13/2018	20	840	42
CUSTOMER REQUEST	3/13/2018	11	935	85
CUSTOMER REQUEST	3/13/2018	4	792	198
PLANNED	3/13/2018	15	1,965	131
PLANNED	3/13/2018	2	30	15
PLANNED	3/13/2018	6	852	142
PLANNED	3/13/2018	8	512	64
PLANNED	3/13/2018	9	999	111

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/13/2018	3	465	155
PLANNED	3/13/2018	12	1,332	111
PLANNED	3/13/2018	9	999	111
PLANNED	3/13/2018	11	1,507	137
PLANNED	3/13/2018	6	438	73
PLANNED	3/13/2018	9	108	12
PLANNED	3/13/2018	4	188	47
PLANNED	3/13/2018	9	378	42
PLANNED	3/13/2018	2	142	71
PLANNED	3/13/2018	3	93	31
PLANNED	3/13/2018	7	427	61
PLANNED	3/13/2018	3	117	39
PLANNED	3/13/2018	11	495	45
CUSTOMER REQUEST	3/13/2018	37	5,106	138
PLANNED	3/13/2018	2	150	75
PLANNED	3/13/2018	5	785	157
PLANNED	3/13/2018	1	70	70
PLANNED	3/13/2018	25	1,475	59
PLANNED	3/13/2018	7	728	104
PLANNED	3/13/2018	20	3,840	192
PLANNED	3/13/2018	8	480	60
PLANNED	3/13/2018	1	47	47
PLANNED	3/13/2018	12	528	44
PLANNED	3/13/2018	2	360	180
PLANNED	3/13/2018	8	48	6
PLANNED	3/13/2018	1	83	83
PLANNED	3/13/2018	13	637	49
PLANNED	3/13/2018	11	550	50
PLANNED	3/13/2018	6	204	34
PLANNED	3/13/2018	16	32	2
PLANNED	3/13/2018	2	98	49
PLANNED	3/13/2018	6	108	18
PLANNED	3/13/2018	4	68	17
PLANNED	3/13/2018	2	54	27
PLANNED	3/13/2018	3	27	9
PLANNED	3/13/2018	60	2,340	39
PLANNED	3/13/2018	1	934	934
PLANNED	3/13/2018	13	767	59
PLANNED	3/13/2018	10	1,150	115
PLANNED	3/13/2018	3	102	34
PLANNED	3/13/2018	1	60	60
PLANNED	3/13/2018	2	226	113
PLANNED	3/13/2018	2	214	107
PLANNED	3/13/2018	3	111	37
PLANNED	3/13/2018	1	46	46
PLANNED	3/13/2018	1	95	95
PLANNED	3/13/2018	2	206	103
CUSTOMER REQUEST	3/13/2018	9	135	15
PLANNED	3/13/2018	2	120	60
CUSTOMER REQUEST	3/13/2018	8	256	32
PLANNED	3/13/2018	1	117	117

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/13/2018	2	178	89
PLANNED	3/13/2018	8	320	40
PLANNED	3/13/2018	1	56	56
PLANNED	3/13/2018	1	51	51
PLANNED	3/13/2018	6	54	9
PLANNED	3/13/2018	12	192	16
CUSTOMER REQUEST	3/13/2018	40	1,240	31
PLANNED	3/13/2018	5	600	120
PLANNED	3/13/2018	1	120	120
CUSTOMER REQUEST	3/13/2018	20	300	15
PLANNED	3/13/2018	2	170	85
PLANNED	3/13/2018	1	69	69
PLANNED	3/13/2018	1	85	85
CUSTOMER REQUEST	3/13/2018	1	736	736
CUSTOMER REQUEST	3/13/2018	1,728	34,326	39
PLANNED	3/13/2018	1	161	161
PLANNED	3/13/2018	6	1,392	232
PLANNED	3/13/2018	1	167	167
CUSTOMER REQUEST	3/13/2018	59	17,877	303
PLANNED	3/13/2018	1	253	253
CUSTOMER REQUEST	3/14/2018	8	256	32
PLANNED	3/14/2018	1	340	340
PLANNED	3/14/2018	6	690	115
PLANNED	3/14/2018	2	246	123
PLANNED	3/14/2018	42	6,216	148
PLANNED	3/14/2018	8	288	36
PLANNED	3/14/2018	26	3,458	133
PLANNED	3/14/2018	1	238	238
PLANNED	3/14/2018	1	17	17
PLANNED	3/14/2018	9	324	36
PLANNED	3/14/2018	8	352	44
PLANNED	3/14/2018	7	707	101
PLANNED	3/14/2018	10	790	79
PLANNED	3/14/2018	10	850	85
PLANNED	3/14/2018	7	693	99
PLANNED	3/14/2018	1	329	329
PLANNED	3/14/2018	11	561	51
PLANNED	3/14/2018	3	462	154
PLANNED	3/14/2018	9	2,349	261
PLANNED	3/14/2018	5	485	97
PLANNED	3/14/2018	7	679	97
PLANNED	3/14/2018	7	749	107
PLANNED	3/14/2018	12	1,260	105
PLANNED	3/14/2018	1	168	168
PLANNED	3/14/2018	9	162	18
PLANNED	3/14/2018	37	6,771	183
PLANNED	3/14/2018	2	252	126
PLANNED	3/14/2018	2	104	52
PLANNED	3/14/2018	20	1,100	55
CUSTOMER REQUEST	3/14/2018	11	66	6
PLANNED	3/14/2018	1	5	5

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/14/2018	6	96	16
PLANNED	3/14/2018	8	1,336	167
PLANNED	3/14/2018	1	13	13
PLANNED	3/14/2018	4	440	110
PLANNED	3/14/2018	6	1,548	258
PLANNED	3/14/2018	1	154	154
PLANNED	3/14/2018	5	35	7
PLANNED	3/14/2018	22	2,948	134
PLANNED	3/14/2018	10	2,450	245
PLANNED	3/14/2018	1	168	168
PLANNED	3/14/2018	6	420	70
PLANNED	3/14/2018	7	147	21
PLANNED	3/14/2018	6	342	57
PLANNED	3/14/2018	3	123	41
PLANNED	3/14/2018	4	40	10
PLANNED	3/14/2018	1	183	183
PLANNED	3/14/2018	10	300	30
PLANNED	3/14/2018	12	588	49
PLANNED	3/14/2018	2	108	54
PLANNED	3/14/2018	43	2,150	50
PLANNED	3/14/2018	1	23	23
PLANNED	3/14/2018	1	124	124
PLANNED	3/14/2018	3	342	114
PLANNED	3/14/2018	2	92	46
PLANNED	3/14/2018	1	10	10
PLANNED	3/14/2018	1	51	51
PLANNED	3/14/2018	57	171	3
PLANNED	3/14/2018	37	10,360	280
PLANNED	3/14/2018	34	9,350	275
PLANNED	3/14/2018	3	339	113
CUSTOMER REQUEST	3/14/2018	4	52	13
PLANNED	3/14/2018	2	124	62
PLANNED	3/14/2018	2	20	10
PLANNED	3/14/2018	6	222	37
PLANNED	3/14/2018	1	406	406
PLANNED	3/14/2018	8	120	15
PLANNED	3/14/2018	3	60	20
PLANNED	3/14/2018	2	32	16
PLANNED	3/14/2018	10	440	44
PLANNED	3/14/2018	20	3,900	195
PLANNED	3/14/2018	7	224	32
PLANNED	3/14/2018	7	161	23
PLANNED	3/14/2018	6	1,080	180
PLANNED	3/14/2018	5	135	27
PLANNED	3/14/2018	3	117	39
PLANNED	3/14/2018	9	1,080	120
PLANNED	3/14/2018	2	90	45
PLANNED	3/14/2018	5	245	49
PLANNED	3/14/2018	1	148	148
PLANNED	3/14/2018	9	171	19
PLANNED	3/14/2018	25	3,425	137

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/14/2018	22	3,014	137
CUSTOMER REQUEST	3/14/2018	1	148	148
CUSTOMER REQUEST	3/14/2018	11	22	2
PLANNED	3/14/2018	28	952	34
PLANNED	3/14/2018	10	1,280	128
PLANNED	3/14/2018	8	24	3
PLANNED	3/14/2018	5	280	56
PLANNED	3/14/2018	5	45	9
PLANNED	3/14/2018	1	219	219
PLANNED	3/14/2018	5	195	39
PLANNED	3/14/2018	18	1,422	79
PLANNED	3/14/2018	2	118	59
PLANNED	3/14/2018	6	114	19
PLANNED	3/14/2018	28	644	23
PLANNED	3/14/2018	2	324	162
PLANNED	3/14/2018	6	174	29
PLANNED	3/14/2018	6	30	5
PLANNED	3/14/2018	1	64	64
CUSTOMER REQUEST	3/14/2018	32	160	5
PLANNED	3/14/2018	1	31	31
PLANNED	3/14/2018	11	440	40
PLANNED	3/14/2018	4	396	99
PLANNED	3/14/2018	2	182	91
PLANNED	3/14/2018	1	103	103
PLANNED	3/14/2018	1	155	155
PLANNED	3/14/2018	8	464	58
PLANNED	3/14/2018	1	214	214
PLANNED	3/14/2018	3	48	16
PLANNED	3/14/2018	2	204	102
PLANNED	3/14/2018	8	32	4
PLANNED	3/14/2018	2	278	139
PLANNED	3/14/2018	2	212	106
PLANNED	3/14/2018	4	248	62
PLANNED	3/15/2018	2	196	98
PLANNED	3/15/2018	35	9,415	269
PLANNED	3/15/2018	3	1,647	549
PLANNED	3/15/2018	1	66	66
PLANNED	3/15/2018	1	1,131	1,131
PLANNED	3/15/2018	15	510	34
PLANNED	3/15/2018	2	206	103
PLANNED	3/15/2018	1	32	32
PLANNED	3/15/2018	43	1,720	40
PLANNED	3/15/2018	28	3,136	112
PLANNED	3/15/2018	19	1,767	93
PLANNED	3/15/2018	11	715	65
PLANNED	3/15/2018	4	108	27
PLANNED	3/15/2018	41	3,731	91
PLANNED	3/15/2018	1	277	277
PLANNED	3/15/2018	6	2,370	395
PLANNED	3/15/2018	9	1,107	123
PLANNED	3/15/2018	2	236	118

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	3/15/2018	1	120	120
PLANNED	3/15/2018	16	1,008	63
PLANNED	3/15/2018	13	533	41
PLANNED	3/15/2018	1	57	57
PLANNED	3/15/2018	1	177	177
PLANNED	3/15/2018	3	54	18
PLANNED	3/15/2018	5	15	3
PLANNED	3/15/2018	1	108	108
PLANNED	3/15/2018	3	624	208
PLANNED	3/15/2018	4	312	78
PLANNED	3/15/2018	2	58	29
PLANNED	3/15/2018	4	192	48
PLANNED	3/15/2018	5	675	135
PLANNED	3/15/2018	12	2,892	241
CUSTOMER REQUEST	3/15/2018	4	248	62
PLANNED	3/15/2018	4	380	95
PLANNED	3/15/2018	6	162	27
PLANNED	3/15/2018	7	511	73
PLANNED	3/15/2018	2	314	157
PLANNED	3/15/2018	4	96	24
PLANNED	3/15/2018	4	256	64
PLANNED	3/15/2018	7	1,113	159
PLANNED	3/15/2018	8	184	23
PLANNED	3/15/2018	11	792	72
PLANNED	3/15/2018	47	2,726	58
PLANNED	3/15/2018	8	24	3
PLANNED	3/15/2018	1	110	110
PLANNED	3/15/2018	1	79	79
PLANNED	3/15/2018	1	95	95
PLANNED	3/15/2018	6	108	18
PLANNED	3/15/2018	3	270	90
PLANNED	3/15/2018	17	476	28
PLANNED	3/15/2018	122	36,783	602
PLANNED	3/15/2018	11	1,430	130
PLANNED	3/15/2018	4	24	6
PLANNED	3/15/2018	8	216	27
PLANNED	3/15/2018	15	1,875	125
PLANNED	3/15/2018	8	408	51
PLANNED	3/15/2018	15	3,660	244
PLANNED	3/15/2018	11	187	17
PLANNED	3/15/2018	1	140	140
PLANNED	3/15/2018	6	60	10
PLANNED	3/15/2018	15	435	29
PLANNED	3/15/2018	4	204	51
CUSTOMER REQUEST	3/15/2018	15	465	31
PLANNED	3/15/2018	4	568	142
PLANNED	3/15/2018	11	495	45
PLANNED	3/15/2018	4	80	20
PLANNED	3/15/2018	1	44	44
PLANNED	3/15/2018	5	435	87
PLANNED	3/15/2018	57	171	3

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/15/2018	10	870	87
PLANNED	3/15/2018	8	2,192	274
PLANNED	3/15/2018	8	1,064	133
PLANNED	3/15/2018	16	1,824	114
PLANNED	3/15/2018	1	62	62
PLANNED	3/15/2018	11	1,188	108
PLANNED	3/15/2018	5	150	30
CUSTOMER REQUEST	3/15/2018	1	388	388
PLANNED	3/15/2018	17	1,734	102
PLANNED	3/15/2018	4	324	81
PLANNED	3/15/2018	1	43	43
PLANNED	3/15/2018	1	70	70
PLANNED	3/15/2018	6	246	41
PLANNED	3/15/2018	2	236	118
CUSTOMER REQUEST	3/15/2018	5	205	41
PLANNED	3/15/2018	8	912	114
PLANNED	3/15/2018	11	99	9
PLANNED	3/15/2018	4	408	102
PLANNED	3/15/2018	27	513	19
PLANNED	3/15/2018	9	513	57
PLANNED	3/15/2018	11	407	37
CUSTOMER REQUEST	3/15/2018	1	250	250
CUSTOMER REQUEST	3/15/2018	1	157	157
PLANNED	3/15/2018	3	165	55
PLANNED	3/15/2018	4	400	100
PLANNED	3/15/2018	2	76	38
PLANNED	3/15/2018	3	69	23
PLANNED	3/15/2018	12	252	21
PLANNED	3/15/2018	3	264	88
PLANNED	3/15/2018	1	211	211
PLANNED	3/15/2018	2	18	9
CUSTOMER REQUEST	3/15/2018	3	24	8
PLANNED	3/15/2018	2	80	40
PLANNED	3/15/2018	11	693	63
PLANNED	3/15/2018	3	456	152
PLANNED	3/15/2018	1	25	25
CUSTOMER REQUEST	3/15/2018	1	113	113
PLANNED	3/15/2018	5	355	71
PLANNED	3/15/2018	5	215	43
PLANNED	3/15/2018	1	180	180
PLANNED	3/15/2018	1	94	94
PLANNED	3/15/2018	1	169	169
PLANNED	3/15/2018	1	76	76
PLANNED	3/15/2018	8	160	20
PLANNED	3/15/2018	46	5,520	120
PLANNED	3/15/2018	6	1,248	208
PLANNED	3/15/2018	3	264	88
PLANNED	3/15/2018	8	3,296	412
PLANNED	3/15/2018	3	153	51
PLANNED	3/15/2018	6	936	156
PLANNED	3/16/2018	10	1,500	150

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/16/2018	1	44	44
PLANNED	3/16/2018	1	81	81
PLANNED	3/16/2018	2	198	99
CUSTOMER REQUEST	3/16/2018	1	286	286
CUSTOMER REQUEST	3/16/2018	1	67	67
PLANNED	3/16/2018	11	1,947	177
PLANNED	3/16/2018	1	16	16
PLANNED	3/16/2018	10	470	47
PLANNED	3/16/2018	2	202	101
PLANNED	3/16/2018	32	1,792	56
PLANNED	3/16/2018	5	350	70
CUSTOMER REQUEST	3/16/2018	4	296	74
CUSTOMER REQUEST	3/16/2018	69	17,871	259
PLANNED	3/16/2018	2	624	312
PLANNED	3/16/2018	6	1,992	332
PLANNED	3/16/2018	5	320	64
PLANNED	3/16/2018	5	250	50
PLANNED	3/16/2018	4	144	36
PLANNED	3/16/2018	1	399	399
PLANNED	3/16/2018	2	168	84
PLANNED	3/16/2018	1	215	215
PLANNED	3/16/2018	4	1,140	285
PLANNED	3/16/2018	3	375	125
CUSTOMER REQUEST	3/16/2018	6	324	54
PLANNED	3/16/2018	1	108	108
PLANNED	3/16/2018	43	43	1
PLANNED	3/16/2018	5	570	114
PLANNED	3/16/2018	6	390	65
PLANNED	3/16/2018	104	16,536	159
PLANNED	3/16/2018	16	2,720	170
PLANNED	3/16/2018	17	2,890	170
PLANNED	3/16/2018	1	31	31
PLANNED	3/16/2018	8	8	1
CUSTOMER REQUEST	3/16/2018	44	1,804	41
PLANNED	3/16/2018	1	164	164
PLANNED	3/16/2018	15	450	30
PLANNED	3/16/2018	19	1,406	74
PLANNED	3/16/2018	2	84	42
PLANNED	3/16/2018	4	320	80
PLANNED	3/16/2018	2	470	235
PLANNED	3/16/2018	4	300	75
PLANNED	3/16/2018	12	636	53
PLANNED	3/16/2018	4	234	111
PLANNED	3/16/2018	6	822	137
PLANNED	3/16/2018	22	1,034	47
PLANNED	3/16/2018	1	102	102
PLANNED	3/16/2018	42	1,050	25
PLANNED	3/16/2018	1	26	26
PLANNED	3/16/2018	3	207	69
CUSTOMER REQUEST	3/16/2018	1	138	138
PLANNED	3/16/2018	5	320	64

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/16/2018	11	594	54
PLANNED	3/16/2018	1	77	77
PLANNED	3/16/2018	14	3,206	229
PLANNED	3/16/2018	1	55	55
PLANNED	3/16/2018	11	1,496	136
PLANNED	3/16/2018	6	750	125
CUSTOMER REQUEST	3/16/2018	1	238	238
PLANNED	3/17/2018	1	106	106
PLANNED	3/17/2018	2	276	138
PLANNED	3/17/2018	3	852	284
PLANNED	3/17/2018	1	195	195
PLANNED	3/17/2018	2	370	185
PLANNED	3/17/2018	7	742	106
PLANNED	3/17/2018	3	57	19
PLANNED	3/17/2018	2	304	152
PLANNED	3/17/2018	11	341	31
CUSTOMER REQUEST	3/17/2018	44	44	1,412
PLANNED	3/17/2018	1	200	200
PLANNED	3/18/2018	2	476	238
PLANNED	3/18/2018	1	16	16
PLANNED	3/18/2018	1	130	130
PLANNED	3/18/2018	7	945	135
PLANNED	3/18/2018	5	760	152
PLANNED	3/18/2018	8	1,216	152
PLANNED	3/18/2018	10	860	86
PLANNED	3/18/2018	3	144	48
CUSTOMER REQUEST	3/18/2018	1	54	54
PLANNED	3/18/2018	5	935	187
CUSTOMER REQUEST	3/18/2018	157	71,222	606
PLANNED	3/19/2018	20	860	43
PLANNED	3/19/2018	2	1,070	535
CUSTOMER REQUEST	3/19/2018	23	391	17
PLANNED	3/19/2018	4	968	242
PLANNED	3/19/2018	5	180	36
PLANNED	3/19/2018	3	285	95
CUSTOMER REQUEST	3/19/2018	1	254	254
PLANNED	3/19/2018	9	621	69
PLANNED	3/19/2018	16	1,072	67
PLANNED	3/19/2018	6	1,512	252
PLANNED	3/19/2018	6	594	99
PLANNED	3/19/2018	15	2,220	148
PLANNED	3/19/2018	7	35	5
PLANNED	3/19/2018	7	350	50
CUSTOMER REQUEST	3/19/2018	21	64,890	3,090
CUSTOMER REQUEST	3/19/2018	1	28	28
PLANNED	3/19/2018	53	11,501	217
PLANNED	3/19/2018	1	182	182
PLANNED	3/19/2018	5	390	78
PLANNED	3/19/2018	1	313	313
PLANNED	3/19/2018	8	128	16
PLANNED	3/19/2018	11	3,256	296

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/19/2018	1	71	71
PLANNED	3/19/2018	3	642	214
PLANNED	3/19/2018	2	234	117
CUSTOMER REQUEST	3/19/2018	6	558	93
PLANNED	3/19/2018	12	864	72
PLANNED	3/19/2018	12	384	32
PLANNED	3/19/2018	36	2,160	60
PLANNED	3/19/2018	3	24	8
PLANNED	3/19/2018	7	35	5
PLANNED	3/19/2018	3	306	102
PLANNED	3/19/2018	8	640	80
CUSTOMER REQUEST	3/19/2018	8	88	11
CUSTOMER REQUEST	3/19/2018	97	6,402	66
PLANNED	3/19/2018	1	262	262
PLANNED	3/19/2018	9	351	39
PLANNED	3/19/2018	17	2,244	132
PLANNED	3/19/2018	11	319	29
PLANNED	3/19/2018	5	340	68
PLANNED	3/19/2018	12	1,128	94
PLANNED	3/19/2018	28	588	21
PLANNED	3/19/2018	13	2,052	184
PLANNED	3/19/2018	2	198	99
PLANNED	3/19/2018	27	1,242	46
PLANNED	3/19/2018	6	750	125
PLANNED	3/19/2018	1	115	115
PLANNED	3/19/2018	6	612	102
PLANNED	3/19/2018	3	447	149
PLANNED	3/19/2018	11	1,023	93
PLANNED	3/19/2018	9	126	14
PLANNED	3/19/2018	6	288	48
PLANNED	3/19/2018	7	329	47
PLANNED	3/19/2018	9	1,026	114
PLANNED	3/19/2018	21	1,722	82
PLANNED	3/19/2018	11	374	34
PLANNED	3/19/2018	3	276	92
PLANNED	3/19/2018	2	140	70
CUSTOMER REQUEST	3/19/2018	7	140	20
PLANNED	3/19/2018	11	1,353	123
PLANNED	3/19/2018	2	192	96
PLANNED	3/19/2018	6	120	20
PLANNED	3/19/2018	2	138	69
PLANNED	3/19/2018	11	1,386	126
PLANNED	3/19/2018	2	252	126
PLANNED	3/19/2018	8	848	106
PLANNED	3/19/2018	11	330	30
PLANNED	3/19/2018	5	315	63
PLANNED	3/19/2018	2	74	37
PLANNED	3/19/2018	4	152	38
CUSTOMER REQUEST	3/19/2018	1	112	112
PLANNED	3/19/2018	16	688	43
PLANNED	3/19/2018	3	204	68

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/19/2018	1	35	35
CUSTOMER REQUEST	3/19/2018	1	285	285
PLANNED	3/19/2018	1	4	4
PLANNED	3/19/2018	2	244	122
PLANNED	3/19/2018	6	966	161
PLANNED	3/19/2018	2	98	49
PLANNED	3/20/2018	1	63	63
PLANNED	3/20/2018	18	1,026	57
PLANNED	3/20/2018	2	146	73
PLANNED	3/20/2018	1	146	146
PLANNED	3/20/2018	2	130	65
PLANNED	3/20/2018	3	243	81
PLANNED	3/20/2018	8	592	74
PLANNED	3/20/2018	61	5,185	85
PLANNED	3/20/2018	8	648	81
PLANNED	3/20/2018	10	1,230	123
PLANNED	3/20/2018	1	206	206
PLANNED	3/20/2018	1	149	149
PLANNED	3/20/2018	5	325	65
PLANNED	3/20/2018	6	342	57
PLANNED	3/20/2018	4	8	2
PLANNED	3/20/2018	2	370	185
PLANNED	3/20/2018	1	184	184
PLANNED	3/20/2018	3	549	183
PLANNED	3/20/2018	15	45	3
PLANNED	3/20/2018	2	362	181
PLANNED	3/20/2018	2	362	181
PLANNED	3/20/2018	2	358	179
PLANNED	3/20/2018	26	1,430	55
CUSTOMER REQUEST	3/20/2018	1	340	340
CUSTOMER REQUEST	3/20/2018	3	693	231
PLANNED	3/20/2018	1	7	7
PLANNED	3/20/2018	1	129	129
PLANNED	3/20/2018	5	235	47
CUSTOMER REQUEST	3/20/2018	7	364	52
CUSTOMER REQUEST	3/20/2018	7	350	50
CUSTOMER REQUEST	3/20/2018	7	882	126
PLANNED	3/20/2018	18	5,652	314
PLANNED	3/20/2018	28	8,484	303
PLANNED	3/20/2018	18	576	32
PLANNED	3/20/2018	12	3,156	263
CUSTOMER REQUEST	3/20/2018	9	81	9
PLANNED	3/20/2018	16	1,600	100
PLANNED	3/20/2018	10	260	26
PLANNED	3/20/2018	7	371	53
PLANNED	3/20/2018	10	2,420	242
CUSTOMER REQUEST	3/20/2018	2	8	4
PLANNED	3/20/2018	7	182	26
CUSTOMER REQUEST	3/20/2018	15	1,335	89
PLANNED	3/20/2018	1	92	92
PLANNED	3/20/2018	7	343	49

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	3/20/2018	27	3,753	139
PLANNED	3/20/2018	1	79	79
PLANNED	3/20/2018	6	162	27
CUSTOMER REQUEST	3/20/2018	9	468	52
PLANNED	3/20/2018	3	84	28
PLANNED	3/20/2018	199	9,950	50
PLANNED	3/20/2018	2	228	114
PLANNED	3/20/2018	1	46	46
PLANNED	3/20/2018	16	2,576	161
CUSTOMER REQUEST	3/20/2018	51	3,111	61
PLANNED	3/20/2018	2	28	14
PLANNED	3/20/2018	22	3,168	144
PLANNED	3/20/2018	8	240	30
PLANNED	3/20/2018	1	82	82
PLANNED	3/20/2018	7	364	52
PLANNED	3/20/2018	1	43	43
PLANNED	3/20/2018	4	1,160	290
PLANNED	3/20/2018	15	1,170	78
PLANNED	3/20/2018	21	1,470	70
PLANNED	3/20/2018	8	464	58
PLANNED	3/20/2018	8	1,408	176
PLANNED	3/20/2018	7	518	74
PLANNED	3/20/2018	14	1,512	108
PLANNED	3/20/2018	12	1,296	108
PLANNED	3/20/2018	32	8,256	258
PLANNED	3/20/2018	15	3,495	233
PLANNED	3/20/2018	2	42	21
PLANNED	3/20/2018	3	555	185
PLANNED	3/20/2018	2	118	59
PLANNED	3/20/2018	1	12	12
PLANNED	3/20/2018	2	466	233
CUSTOMER REQUEST	3/20/2018	1	7	7
PLANNED	3/20/2018	13	1,976	152
CUSTOMER REQUEST	3/20/2018	9	1,665	185
PLANNED	3/20/2018	8	832	104
CUSTOMER REQUEST	3/20/2018	10	310	31
CUSTOMER REQUEST	3/20/2018	9	702	78
PLANNED	3/20/2018	10	440	44
PLANNED	3/20/2018	8	392	49
PLANNED	3/20/2018	3	39	13
PLANNED	3/20/2018	2	36	18
PLANNED	3/20/2018	18	558	31
PLANNED	3/20/2018	2	90	45
PLANNED	3/20/2018	1	24	24
PLANNED	3/20/2018	1	131	131
PLANNED	3/20/2018	7	329	47
PLANNED	3/20/2018	1	50	50
PLANNED	3/20/2018	10	80	8
PLANNED	3/20/2018	2	144	72
PLANNED	3/20/2018	4	248	62
PLANNED	3/20/2018	4	204	51

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/20/2018	13	1,300	100
PLANNED	3/20/2018	51	5,100	100
PLANNED	3/20/2018	2	38	19
CUSTOMER REQUEST	3/20/2018	1	142	142
PLANNED	3/20/2018	5	390	78
PLANNED	3/20/2018	14	770	55
PLANNED	3/21/2018	11	858	78
PLANNED	3/21/2018	2	154	77
PLANNED	3/21/2018	1	127	127
PLANNED	3/21/2018	6	276	46
PLANNED	3/21/2018	1	192	192
PLANNED	3/21/2018	18	2,754	153
PLANNED	3/21/2018	99	26,730	270
PLANNED	3/21/2018	1	14	14
PLANNED	3/21/2018	1	63	63
PLANNED	3/21/2018	8	432	54
PLANNED	3/21/2018	1	324	324
PLANNED	3/21/2018	1	97	97
PLANNED	3/21/2018	3	333	111
PLANNED	3/21/2018	3	483	161
PLANNED	3/21/2018	19	1,919	101
PLANNED	3/21/2018	2	432	216
PLANNED	3/21/2018	2	272	136
PLANNED	3/21/2018	5	530	106
PLANNED	3/21/2018	8	808	101
PLANNED	3/21/2018	1	33	33
PLANNED	3/21/2018	1	83	83
PLANNED	3/21/2018	4	340	85
PLANNED	3/21/2018	2	254	127
PLANNED	3/21/2018	36	5,580	155
PLANNED	3/21/2018	2	94	47
PLANNED	3/21/2018	20	560	28
PLANNED	3/21/2018	3	159	53
PLANNED	3/21/2018	5	295	59
PLANNED	3/21/2018	24	5,688	237
PLANNED	3/21/2018	8	536	67
PLANNED	3/21/2018	6	792	132
PLANNED	3/21/2018	40	6,400	160
PLANNED	3/21/2018	13	3,016	232
PLANNED	3/21/2018	54	8,046	149
PLANNED	3/21/2018	6	210	35
PLANNED	3/21/2018	12	3,024	252
PLANNED	3/21/2018	11	1,430	130
PLANNED	3/21/2018	12	2,520	210
CUSTOMER REQUEST	3/21/2018	7	1,407	201
PLANNED	3/21/2018	8	3,872	484
PLANNED	3/21/2018	9	225	25
PLANNED	3/21/2018	2	64	32
PLANNED	3/21/2018	7	315	45
PLANNED	3/21/2018	10	50	5
PLANNED	3/21/2018	1	99	99

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/21/2018	8	1,128	141
PLANNED	3/21/2018	10	1,790	179
PLANNED	3/21/2018	18	1,584	88
PLANNED	3/21/2018	2	368	184
PLANNED	3/21/2018	13	1,547	119
PLANNED	3/21/2018	1	79	79
PLANNED	3/21/2018	6	1,590	265
PLANNED	3/21/2018	3	81	27
PLANNED	3/21/2018	8	1,224	153
PLANNED	3/21/2018	1	54	54
PLANNED	3/21/2018	9	297	33
PLANNED	3/21/2018	8	264	33
PLANNED	3/21/2018	5	165	33
PLANNED	3/21/2018	8	1,376	172
PLANNED	3/21/2018	9	216	24
CUSTOMER REQUEST	3/21/2018	6	702	117
PLANNED	3/21/2018	2	4	2
PLANNED	3/21/2018	5	455	91
PLANNED	3/21/2018	4	148	37
PLANNED	3/21/2018	2	100	50
CUSTOMER REQUEST	3/21/2018	1	362	362
PLANNED	3/21/2018	4	576	144
PLANNED	3/21/2018	10	400	40
PLANNED	3/21/2018	13	637	49
PLANNED	3/21/2018	10	320	32
PLANNED	3/21/2018	2	160	80
PLANNED	3/21/2018	4	320	80
CUSTOMER REQUEST	3/21/2018	5	930	186
PLANNED	3/21/2018	2	90	45
PLANNED	3/21/2018	1	34	34
PLANNED	3/21/2018	1	23	23
PLANNED	3/21/2018	1	37	37
PLANNED	3/21/2018	6	738	123
PLANNED	3/21/2018	14	1,806	129
PLANNED	3/21/2018	1	29	29
PLANNED	3/21/2018	1	129	129
PLANNED	3/21/2018	6	558	93
PLANNED	3/21/2018	2	54	27
PLANNED	3/21/2018	66	12,144	184
PLANNED	3/21/2018	2	240	120
PLANNED	3/21/2018	7	252	36
PLANNED	3/21/2018	21	966	46
PLANNED	3/21/2018	12	1,656	138
PLANNED	3/21/2018	40	5,600	140
PLANNED	3/21/2018	1	38	38
PLANNED	3/21/2018	1	64	64
PLANNED	3/21/2018	2	118	59
PLANNED	3/21/2018	1	51	51
PLANNED	3/21/2018	1	427	427
PLANNED	3/21/2018	3	78	26
PLANNED	3/22/2018	8	2,016	252

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/22/2018	2	386	193
PLANNED	3/22/2018	16	80	5
PLANNED	3/22/2018	8	1,432	179
PLANNED	3/22/2018	8	560	70
PLANNED	3/22/2018	6	396	66
PLANNED	3/22/2018	18	1,440	80
PLANNED	3/22/2018	1	349	349
PLANNED	3/22/2018	11	2,563	233
PLANNED	3/22/2018	2	332	166
CUSTOMER REQUEST	3/22/2018	9	171	19
CUSTOMER REQUEST	3/22/2018	1	30	30
PLANNED	3/22/2018	1	211	211
CUSTOMER REQUEST	3/22/2018	33	5,181	157
PLANNED	3/22/2018	3	57	19
PLANNED	3/22/2018	35	35	377
PLANNED	3/22/2018	16	1,712	107
PLANNED	3/22/2018	18	864	48
PLANNED	3/22/2018	1	146	146
PLANNED	3/22/2018	3	114	38
CUSTOMER REQUEST	3/22/2018	4	28	7
PLANNED	3/22/2018	13	871	67
CUSTOMER REQUEST	3/22/2018	1	140	140
PLANNED	3/22/2018	33	2,838	86
PLANNED	3/22/2018	25	1,000	40
PLANNED	3/22/2018	6	516	86
PLANNED	3/22/2018	5	135	27
PLANNED	3/22/2018	5	480	96
CUSTOMER REQUEST	3/22/2018	8	976	122
PLANNED	3/22/2018	26	3,952	152
PLANNED	3/22/2018	4	76	19
PLANNED	3/22/2018	9	1,116	124
PLANNED	3/22/2018	5	1,970	394
PLANNED	3/22/2018	1	161	161
PLANNED	3/22/2018	6	24	4
PLANNED	3/22/2018	12	1,896	158
PLANNED	3/22/2018	1	163	163
PLANNED	3/22/2018	9	450	50
PLANNED	3/22/2018	1	163	163
PLANNED	3/22/2018	1	215	215
PLANNED	3/22/2018	14	1,456	104
CUSTOMER REQUEST	3/22/2018	1	279	279
PLANNED	3/22/2018	3	603	201
PLANNED	3/22/2018	8	608	76
PLANNED	3/22/2018	2	292	146
PLANNED	3/22/2018	20	2,580	129
PLANNED	3/22/2018	3	273	91
PLANNED	3/22/2018	1	100	100
PLANNED	3/22/2018	13	3,029	233
PLANNED	3/22/2018	1	85	85
PLANNED	3/22/2018	6	90	15
PLANNED	3/22/2018	2	342	171

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/22/2018	2	50	25
PLANNED	3/22/2018	4	116	29
PLANNED	3/22/2018	5	395	79
PLANNED	3/22/2018	4	280	70
PLANNED	3/22/2018	3	228	76
PLANNED	3/22/2018	8	776	97
PLANNED	3/22/2018	9	873	97
PLANNED	3/22/2018	6	156	26
PLANNED	3/22/2018	1	27	27
PLANNED	3/22/2018	1	79	79
PLANNED	3/22/2018	14	1,190	85
PLANNED	3/22/2018	11	275	25
PLANNED	3/22/2018	20	2,140	107
PLANNED	3/22/2018	14	1,456	104
PLANNED	3/22/2018	9	189	21
PLANNED	3/22/2018	1	236	236
PLANNED	3/22/2018	2	58	29
PLANNED	3/22/2018	5	895	179
PLANNED	3/22/2018	1	26	26
PLANNED	3/22/2018	14	5,208	372
PLANNED	3/22/2018	6	174	29
PLANNED	3/22/2018	14	1,260	90
PLANNED	3/22/2018	13	208	16
PLANNED	3/22/2018	7	595	85
PLANNED	3/22/2018	1	89	89
PLANNED	3/22/2018	2	82	41
PLANNED	3/22/2018	1	194	194
PLANNED	3/22/2018	18	1,314	73
PLANNED	3/22/2018	1	70	70
PLANNED	3/22/2018	1	135	135
PLANNED	3/22/2018	10	1,800	180
PLANNED	3/22/2018	4	64	16
PLANNED	3/22/2018	1	220	220
PLANNED	3/22/2018	4	480	120
PLANNED	3/22/2018	13	806	62
PLANNED	3/22/2018	11	1,837	167
PLANNED	3/22/2018	6	240	40
PLANNED	3/22/2018	9	81	9
CUSTOMER REQUEST	3/22/2018	125	8,875	71
PLANNED	3/22/2018	18	1,170	65
PLANNED	3/22/2018	20	2,940	147
PLANNED	3/22/2018	2	228	114
PLANNED	3/22/2018	2	94	47
PLANNED	3/22/2018	8	328	41
PLANNED	3/22/2018	1	76	76
PLANNED	3/22/2018	1	57	57
PLANNED	3/22/2018	4	488	122
PLANNED	3/22/2018	4	344	86
PLANNED	3/22/2018	4	336	84
PLANNED	3/22/2018	2	194	97
CUSTOMER REQUEST	3/22/2018	8	72	9

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/22/2018	3	540	180
PLANNED	3/22/2018	6	672	112
PLANNED	3/22/2018	2	244	122
PLANNED	3/22/2018	3	363	121
PLANNED	3/22/2018	1	132	132
CUSTOMER REQUEST	3/22/2018	9	99	11
PLANNED	3/22/2018	6	126	21
PLANNED	3/22/2018	1	129	129
PLANNED	3/22/2018	1	39	39
PLANNED	3/22/2018	3	636	212
PLANNED	3/22/2018	1	74	74
CUSTOMER REQUEST	3/22/2018	37	888	24
PLANNED	3/23/2018	1	74	74
PLANNED	3/23/2018	4	192	48
CUSTOMER REQUEST	3/23/2018	9	63	7
PLANNED	3/23/2018	3	408	136
PLANNED	3/23/2018	1	118	118
PLANNED	3/23/2018	20	1,180	59
PLANNED	3/23/2018	33	5,445	165
PLANNED	3/23/2018	26	3,874	149
PLANNED	3/23/2018	4	480	120
PLANNED	3/23/2018	1	12	12
PLANNED	3/23/2018	8	232	29
PLANNED	3/23/2018	13	949	73
PLANNED	3/23/2018	1	135	135
PLANNED	3/23/2018	2	64	32
PLANNED	3/23/2018	12	2,328	194
PLANNED	3/23/2018	6	1,104	184
PLANNED	3/23/2018	3	495	165
PLANNED	3/23/2018	2	348	174
PLANNED	3/23/2018	4	184	46
PLANNED	3/23/2018	5	740	148
CUSTOMER REQUEST	3/23/2018	5	15	3
PLANNED	3/23/2018	1	136	136
PLANNED	3/23/2018	8	736	92
PLANNED	3/23/2018	2	318	159
CUSTOMER REQUEST	3/23/2018	6	186	31
PLANNED	3/23/2018	19	76	4
PLANNED	3/23/2018	57	4,047	71
PLANNED	3/23/2018	8	1,997	274
PLANNED	3/23/2018	6	948	158
PLANNED	3/23/2018	1	273	273
PLANNED	3/23/2018	3	810	270
PLANNED	3/23/2018	6	330	55
PLANNED	3/23/2018	1	128	128
PLANNED	3/23/2018	6	888	148
PLANNED	3/23/2018	1	125	125
PLANNED	3/23/2018	6	930	155
PLANNED	3/23/2018	4	880	220
PLANNED	3/23/2018	7	231	33
PLANNED	3/23/2018	24	1,752	73

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/23/2018	4	356	89
PLANNED	3/23/2018	7	168	24
CUSTOMER REQUEST	3/23/2018	10	250	25
PLANNED	3/23/2018	4	264	66
PLANNED	3/23/2018	2	698	349
PLANNED	3/23/2018	16	64	4
PLANNED	3/23/2018	4	68	17
PLANNED	3/23/2018	10	240	24
PLANNED	3/23/2018	5	325	65
PLANNED	3/23/2018	4	480	120
CUSTOMER REQUEST	3/23/2018	6	42	7
PLANNED	3/23/2018	5	10	2
PLANNED	3/23/2018	4	832	208
PLANNED	3/23/2018	6	786	131
PLANNED	3/23/2018	6	846	141
PLANNED	3/23/2018	2	176	88
PLANNED	3/23/2018	12	36	3
PLANNED	3/23/2018	1	88	88
PLANNED	3/23/2018	8	1,352	169
CUSTOMER REQUEST	3/23/2018	8	96	12
PLANNED	3/23/2018	1	108	108
CUSTOMER REQUEST	3/23/2018	1	88	88
PLANNED	3/23/2018	4	232	58
PLANNED	3/23/2018	1	103	103
PLANNED	3/23/2018	3	240	80
PLANNED	3/23/2018	5	5	1
PLANNED	3/24/2018	1	9	9
PLANNED	3/24/2018	2	180	90
PLANNED	3/24/2018	14	4,172	298
PLANNED	3/24/2018	20	1,580	79
PLANNED	3/24/2018	1	245	245
PLANNED	3/24/2018	16	3,376	211
CUSTOMER REQUEST	3/24/2018	11	2,596	236
PLANNED	3/24/2018	5	765	153
PLANNED	3/24/2018	6	762	127
CUSTOMER REQUEST	3/24/2018	24	48	2
PLANNED	3/24/2018	1	85	85
PLANNED	3/24/2018	2	408	204
PLANNED	3/24/2018	1	169	169
PLANNED	3/24/2018	1	252	252
PLANNED	3/24/2018	2	408	204
PLANNED	3/24/2018	1	173	173
PLANNED	3/24/2018	1	182	182
CUSTOMER REQUEST	3/24/2018	15	2,595	173
PLANNED	3/24/2018	4	680	170
PLANNED	3/24/2018	6	372	62
PLANNED	3/24/2018	8	1,480	185
PLANNED	3/24/2018	8	1,576	197
PLANNED	3/24/2018	2	166	83
PLANNED	3/24/2018	1	184	184
PLANNED	3/24/2018	1	335	335

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/25/2018	1	155	155
PLANNED	3/25/2018	2	22	11
PLANNED	3/25/2018	2	732	366
PLANNED	3/25/2018	3	180	60
PLANNED	3/25/2018	2	532	266
PLANNED	3/25/2018	1	104	104
PLANNED	3/25/2018	1	178	178
PLANNED	3/25/2018	1	267	267
PLANNED	3/25/2018	2	72	36
PLANNED	3/25/2018	4	556	139
PLANNED	3/25/2018	2	210	105
PLANNED	3/25/2018	1	177	177
PLANNED	3/25/2018	3	219	73
PLANNED	3/25/2018	6	4,488	748
PLANNED	3/26/2018	2	328	164
PLANNED	3/26/2018	5	375	75
PLANNED	3/26/2018	9	513	57
PLANNED	3/26/2018	10	750	75
PLANNED	3/26/2018	13	975	75
PLANNED	3/26/2018	1	130	130
PLANNED	3/26/2018	2	400	200
PLANNED	3/26/2018	18	1,512	84
PLANNED	3/26/2018	22	1,650	75
PLANNED	3/26/2018	11	5,379	489
PLANNED	3/26/2018	2	170	85
PLANNED	3/26/2018	5	165	33
CUSTOMER REQUEST	3/26/2018	4	996	249
CUSTOMER REQUEST	3/26/2018	2	486	243
PLANNED	3/26/2018	117	23,985	205
PLANNED	3/26/2018	12	612	51
PLANNED	3/26/2018	1	209	209
PLANNED	3/26/2018	1	42	42
PLANNED	3/26/2018	3	891	297
PLANNED	3/26/2018	9	54	6
PLANNED	3/26/2018	8	824	203
PLANNED	3/26/2018	2	966	483
CUSTOMER REQUEST	3/26/2018	25	7,675	307
PLANNED	3/26/2018	7	1,176	168
PLANNED	3/26/2018	1	21	21
CUSTOMER REQUEST	3/26/2018	11	1,848	168
PLANNED	3/26/2018	1	85	85
PLANNED	3/26/2018	6	216	36
PLANNED	3/26/2018	5	235	47
PLANNED	3/26/2018	8	184	23
PLANNED	3/26/2018	1	268	268
PLANNED	3/26/2018	31	713	23
PLANNED	3/26/2018	7	140	20
PLANNED	3/26/2018	1	270	270
PLANNED	3/26/2018	1	28	28
PLANNED	3/26/2018	3	447	149
PLANNED	3/26/2018	3	81	27

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/26/2018	3	396	132
PLANNED	3/26/2018	1	125	125
PLANNED	3/26/2018	4	144	36
PLANNED	3/26/2018	13	767	59
PLANNED	3/26/2018	3	249	83
PLANNED	3/26/2018	4	512	128
PLANNED	3/26/2018	11	649	59
PLANNED	3/26/2018	11	341	31
PLANNED	3/26/2018	25	1,175	47
PLANNED	3/26/2018	3	510	170
PLANNED	3/26/2018	20	700	35
PLANNED	3/26/2018	20	3,660	183
PLANNED	3/26/2018	1	95	95
PLANNED	3/26/2018	1	201	201
PLANNED	3/26/2018	10	120	12
PLANNED	3/26/2018	8	864	108
PLANNED	3/26/2018	2	198	99
PLANNED	3/26/2018	1	87	87
PLANNED	3/26/2018	10	1,290	129
PLANNED	3/26/2018	7	301	43
PLANNED	3/26/2018	5	490	98
PLANNED	3/26/2018	6	402	67
PLANNED	3/26/2018	10	220	22
PLANNED	3/26/2018	25	3,325	133
PLANNED	3/26/2018	9	882	98
PLANNED	3/26/2018	6	132	22
PLANNED	3/26/2018	2	116	58
PLANNED	3/26/2018	4	392	98
PLANNED	3/26/2018	1	26	26
PLANNED	3/26/2018	16	480	30
PLANNED	3/26/2018	1	101	101
PLANNED	3/26/2018	4	896	224
PLANNED	3/26/2018	2	440	220
PLANNED	3/26/2018	1	83	83
PLANNED	3/26/2018	8	320	40
PLANNED	3/26/2018	13	273	21
PLANNED	3/26/2018	6	216	36
PLANNED	3/26/2018	24	600	25
PLANNED	3/26/2018	4	1,004	251
PLANNED	3/26/2018	1	40	40
PLANNED	3/26/2018	1	82	82
PLANNED	3/26/2018	3	117	39
PLANNED	3/26/2018	2	354	177
PLANNED	3/26/2018	16	1,648	103
PLANNED	3/26/2018	5	365	73
PLANNED	3/26/2018	6	1,164	194
PLANNED	3/26/2018	17	17	1
CUSTOMER REQUEST	3/26/2018	1	39	39
PLANNED	3/26/2018	1	137	137
CUSTOMER REQUEST	3/26/2018	1	173	173
PLANNED	3/26/2018	2	58	29

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/26/2018	1	37	37
PLANNED	3/27/2018	2	122	61
PLANNED	3/27/2018	1	89	89
PLANNED	3/27/2018	1	156	156
PLANNED	3/27/2018	1	120	120
PLANNED	3/27/2018	1	52	52
PLANNED	3/27/2018	4	456	114
PLANNED	3/27/2018	1	516	516
CUSTOMER REQUEST	3/27/2018	1	349	349
PLANNED	3/27/2018	2	48	24
PLANNED	3/27/2018	9	1,251	139
PLANNED	3/27/2018	12	552	46
PLANNED	3/27/2018	1	101	101
PLANNED	3/27/2018	7	441	63
PLANNED	3/27/2018	1	63	63
PLANNED	3/27/2018	7	434	62
PLANNED	3/27/2018	7	497	71
PLANNED	3/27/2018	9	819	91
CUSTOMER REQUEST	3/27/2018	1	640	640
PLANNED	3/27/2018	3	168	56
CUSTOMER REQUEST	3/27/2018	1	320	320
PLANNED	3/27/2018	33	7,557	229
PLANNED	3/27/2018	7	1,316	188
PLANNED	3/27/2018	1	118	118
PLANNED	3/27/2018	26	2,314	89
PLANNED	3/27/2018	3	1,311	437
CUSTOMER REQUEST	3/27/2018	8	120	15
CUSTOMER REQUEST	3/27/2018	14	14	1
PLANNED	3/27/2018	9	882	98
PLANNED	3/27/2018	7	686	98
PLANNED	3/27/2018	14	476	34
CUSTOMER REQUEST	3/27/2018	1	128	128
PLANNED	3/27/2018	8	672	84
PLANNED	3/27/2018	1	118	118
CUSTOMER REQUEST	3/27/2018	2	306	153
PLANNED	3/27/2018	1	34	34
PLANNED	3/27/2018	3	288	96
PLANNED	3/27/2018	8	88	11
PLANNED	3/27/2018	2	92	46
PLANNED	3/27/2018	1	71	71
PLANNED	3/27/2018	9	1,566	174
PLANNED	3/27/2018	1	195	195
PLANNED	3/27/2018	5	260	52
PLANNED	3/27/2018	4	432	108
PLANNED	3/27/2018	2	272	136
PLANNED	3/27/2018	10	1,410	141
PLANNED	3/27/2018	2	48	24
PLANNED	3/27/2018	1	162	162
PLANNED	3/27/2018	1	139	139
PLANNED	3/27/2018	17	1,513	89
PLANNED	3/27/2018	2	234	117

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/27/2018	8	352	44
PLANNED	3/27/2018	14	2,156	154
PLANNED	3/27/2018	5	335	67
PLANNED	3/27/2018	6	354	59
PLANNED	3/27/2018	5	750	150
PLANNED	3/27/2018	1	83	83
PLANNED	3/27/2018	7	553	79
PLANNED	3/27/2018	4	40	10
PLANNED	3/27/2018	4	336	84
PLANNED	3/27/2018	4	552	165
PLANNED	3/27/2018	6	528	88
CUSTOMER REQUEST	3/27/2018	1	250	250
PLANNED	3/27/2018	1	119	119
PLANNED	3/27/2018	5	300	112
PLANNED	3/27/2018	8	296	37
PLANNED	3/27/2018	13	1,092	84
CUSTOMER REQUEST	3/27/2018	1	97	97
PLANNED	3/27/2018	1	13	13
CUSTOMER REQUEST	3/27/2018	2	582	291
PLANNED	3/27/2018	10	850	85
PLANNED	3/27/2018	8	1,648	206
PLANNED	3/27/2018	21	1,071	51
PLANNED	3/27/2018	8	552	69
PLANNED	3/27/2018	6	1,284	214
PLANNED	3/27/2018	8	1,536	192
CUSTOMER REQUEST	3/27/2018	6	96	16
PLANNED	3/27/2018	3	276	92
PLANNED	3/27/2018	4	308	77
PLANNED	3/27/2018	2	198	99
PLANNED	3/27/2018	2	164	82
PLANNED	3/27/2018	8	1,168	146
PLANNED	3/27/2018	1	138	138
PLANNED	3/27/2018	3	45	15
PLANNED	3/27/2018	2	86	43
CUSTOMER REQUEST	3/27/2018	9	1,638	182
PLANNED	3/27/2018	7	112	16
PLANNED	3/27/2018	6	624	104
PLANNED	3/27/2018	2	70	35
PLANNED	3/27/2018	1	98	98
PLANNED	3/27/2018	7	245	35
PLANNED	3/27/2018	12	924	77
PLANNED	3/27/2018	1	67	67
PLANNED	3/27/2018	7	273	39
PLANNED	3/27/2018	8	696	87
PLANNED	3/27/2018	2	270	135
PLANNED	3/27/2018	4	244	61
PLANNED	3/27/2018	5	155	31
PLANNED	3/27/2018	2	174	87
PLANNED	3/27/2018	7	1,043	149
PLANNED	3/27/2018	1	185	185
PLANNED	3/27/2018	1	36	36

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/27/2018	7	315	45
PLANNED	3/27/2018	1	46	46
PLANNED	3/27/2018	4	556	139
PLANNED	3/27/2018	3	237	79
PLANNED	3/27/2018	10	1,880	188
PLANNED	3/27/2018	4	576	144
PLANNED	3/27/2018	9	1,224	136
PLANNED	3/27/2018	14	1,316	94
PLANNED	3/27/2018	10	860	86
PLANNED	3/27/2018	8	784	98
PLANNED	3/27/2018	5	621	127
PLANNED	3/27/2018	4	528	132
PLANNED	3/27/2018	2	226	113
CUSTOMER REQUEST	3/27/2018	2,307	129,192	56
PLANNED	3/27/2018	2	16	8
PLANNED	3/27/2018	4	236	59
CUSTOMER REQUEST	3/27/2018	1	118	118
CUSTOMER REQUEST	3/28/2018	1	357	357
PLANNED	3/28/2018	1	115	115
PLANNED	3/28/2018	41	1,476	36
PLANNED	3/28/2018	12	240	20
PLANNED	3/28/2018	19	2,622	138
PLANNED	3/28/2018	6	798	133
PLANNED	3/28/2018	8	392	49
PLANNED	3/28/2018	4	532	133
PLANNED	3/28/2018	12	492	41
PLANNED	3/28/2018	6	774	129
PLANNED	3/28/2018	16	576	36
PLANNED	3/28/2018	6	2,388	398
PLANNED	3/28/2018	5	960	192
PLANNED	3/28/2018	7	147	21
PLANNED	3/28/2018	10	810	81
PLANNED	3/28/2018	12	972	81
CUSTOMER REQUEST	3/28/2018	55	18,205	331
CUSTOMER REQUEST	3/28/2018	9	54	6
PLANNED	3/28/2018	2	500	250
PLANNED	3/28/2018	12	228	19
PLANNED	3/28/2018	6	132	22
PLANNED	3/28/2018	80	6,480	81
PLANNED	3/28/2018	5	55	11
PLANNED	3/28/2018	9	666	74
PLANNED	3/28/2018	32	2,816	88
PLANNED	3/28/2018	16	464	29
PLANNED	3/28/2018	16	480	30
PLANNED	3/28/2018	24	624	26
PLANNED	3/28/2018	11	968	88
PLANNED	3/28/2018	5	115	23
PLANNED	3/28/2018	17	527	31
PLANNED	3/28/2018	16	208	13
PLANNED	3/28/2018	22	154	7
PLANNED	3/28/2018	4	268	67

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/28/2018	1	151	151
PLANNED	3/28/2018	6	948	158
PLANNED	3/28/2018	4	452	113
PLANNED	3/28/2018	1	18	18
PLANNED	3/28/2018	3	81	27
PLANNED	3/28/2018	105	17,955	171
PLANNED	3/28/2018	1	171	171
PLANNED	3/28/2018	7	175	25
PLANNED	3/28/2018	1	225	225
CUSTOMER REQUEST	3/28/2018	12	660	55
PLANNED	3/28/2018	2	120	60
PLANNED	3/28/2018	8	296	37
PLANNED	3/28/2018	3	492	164
PLANNED	3/28/2018	1	154	154
PLANNED	3/28/2018	7	609	87
PLANNED	3/28/2018	66	330	5
PLANNED	3/28/2018	4	500	125
PLANNED	3/28/2018	2	2,862	1,431
PLANNED	3/28/2018	6	678	113
PLANNED	3/28/2018	2	236	118
PLANNED	3/28/2018	12	360	30
PLANNED	3/28/2018	6	1,176	196
PLANNED	3/28/2018	1	13	13
PLANNED	3/28/2018	8	856	107
PLANNED	3/28/2018	8	877	174
PLANNED	3/28/2018	6	210	35
PLANNED	3/28/2018	1	64	64
PLANNED	3/28/2018	8	1,328	166
PLANNED	3/28/2018	10	1,160	116
PLANNED	3/28/2018	2	32	16
PLANNED	3/28/2018	4	160	40
CUSTOMER REQUEST	3/28/2018	8	88	11
PLANNED	3/28/2018	39	5,694	146
PLANNED	3/28/2018	5	600	120
CUSTOMER REQUEST	3/28/2018	42	12,222	291
PLANNED	3/28/2018	11	440	40
CUSTOMER REQUEST	3/28/2018	16	1,328	83
PLANNED	3/28/2018	6	1,098	183
PLANNED	3/28/2018	4	388	97
PLANNED	3/28/2018	3	87	29
PLANNED	3/28/2018	10	40	4
PLANNED	3/28/2018	5	275	55
PLANNED	3/28/2018	15	5,820	388
PLANNED	3/28/2018	10	3,890	389
PLANNED	3/28/2018	10	3,890	389
PLANNED	3/28/2018	10	4,170	417
PLANNED	3/28/2018	8	312	39
PLANNED	3/28/2018	7	371	53
PLANNED	3/28/2018	10	3,970	397
PLANNED	3/28/2018	11	4,576	416
PLANNED	3/28/2018	10	3,980	398

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/28/2018	2	126	63
PLANNED	3/28/2018	10	3,970	397
PLANNED	3/28/2018	1	389	389
PLANNED	3/28/2018	3	18	6
PLANNED	3/28/2018	8	400	50
PLANNED	3/28/2018	8	360	45
PLANNED	3/28/2018	8	360	45
PLANNED	3/28/2018	16	800	393
PLANNED	3/28/2018	6	294	49
PLANNED	3/28/2018	1	87	87
CUSTOMER REQUEST	3/28/2018	1	10	10
PLANNED	3/28/2018	1	84	84
CUSTOMER REQUEST	3/28/2018	1	89	89
PLANNED	3/28/2018	18	612	34
PLANNED	3/28/2018	2	48	24
PLANNED	3/28/2018	3	93	31
CUSTOMER REQUEST	3/28/2018	9	81	9
PLANNED	3/28/2018	4	216	54
PLANNED	3/28/2018	2	73	53
PLANNED	3/28/2018	4	924	231
PLANNED	3/28/2018	2	130	65
PLANNED	3/28/2018	7	63	9
PLANNED	3/28/2018	9	333	37
PLANNED	3/28/2018	2	64	32
PLANNED	3/28/2018	7	452	96
PLANNED	3/28/2018	12	1,920	160
PLANNED	3/28/2018	1	24	24
CUSTOMER REQUEST	3/28/2018	8	88	11
CUSTOMER REQUEST	3/28/2018	8	216	27
PLANNED	3/28/2018	1	9	9
PLANNED	3/28/2018	1	87	87
CUSTOMER REQUEST	3/28/2018	7	1,232	176
PLANNED	3/28/2018	4	456	114
PLANNED	3/28/2018	1	78	78
PLANNED	3/28/2018	14	602	43
PLANNED	3/28/2018	2	80	40
CUSTOMER REQUEST	3/28/2018	9	36	4
PLANNED	3/28/2018	10	740	74
PLANNED	3/28/2018	7	1,267	181
PLANNED	3/28/2018	7	560	80
PLANNED	3/28/2018	6	690	115
PLANNED	3/28/2018	2	266	133
PLANNED	3/28/2018	9	45	5
PLANNED	3/28/2018	1	54	54
PLANNED	3/28/2018	3	336	112
PLANNED	3/29/2018	1	329	329
PLANNED	3/29/2018	2	120	60
PLANNED	3/29/2018	1	691	691
PLANNED	3/29/2018	2	138	69
PLANNED	3/29/2018	1	62	62
PLANNED	3/29/2018	39	585	15

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/29/2018	1	75	75
PLANNED	3/29/2018	1	105	105
PLANNED	3/29/2018	3	135	45
PLANNED	3/29/2018	10	920	92
PLANNED	3/29/2018	10	920	92
PLANNED	3/29/2018	1	208	208
PLANNED	3/29/2018	2	128	64
PLANNED	3/29/2018	5	530	106
PLANNED	3/29/2018	6	876	146
PLANNED	3/29/2018	4	872	218
PLANNED	3/29/2018	12	1,692	141
PLANNED	3/29/2018	7	875	125
PLANNED	3/29/2018	1	31	31
PLANNED	3/29/2018	6	750	125
PLANNED	3/29/2018	5	155	31
PLANNED	3/29/2018	11	2,002	182
PLANNED	3/29/2018	7	882	126
PLANNED	3/29/2018	1	109	109
PLANNED	3/29/2018	12	600	50
PLANNED	3/29/2018	2	215	112
PLANNED	3/29/2018	26	286	11
PLANNED	3/29/2018	16	1,088	68
PLANNED	3/29/2018	2	320	160
PLANNED	3/29/2018	2	176	88
PLANNED	3/29/2018	4	596	149
PLANNED	3/29/2018	6	318	53
PLANNED	3/29/2018	17	1,785	105
PLANNED	3/29/2018	1	197	197
PLANNED	3/29/2018	31	1,860	60
PLANNED	3/29/2018	5	345	69
PLANNED	3/29/2018	4	408	102
PLANNED	3/29/2018	3	471	157
PLANNED	3/29/2018	6	450	75
PLANNED	3/29/2018	6	378	63
PLANNED	3/29/2018	1	240	240
PLANNED	3/29/2018	10	750	75
PLANNED	3/29/2018	1	112	112
PLANNED	3/29/2018	12	1,548	129
PLANNED	3/29/2018	10	480	48
PLANNED	3/29/2018	4	472	118
CUSTOMER REQUEST	3/29/2018	6	1,500	250
PLANNED	3/29/2018	4	976	244
PLANNED	3/29/2018	1	127	127
PLANNED	3/29/2018	1	20	20
PLANNED	3/29/2018	2	264	132
PLANNED	3/29/2018	16	416	26
PLANNED	3/29/2018	15	195	13
PLANNED	3/29/2018	1	69	69
CUSTOMER REQUEST	3/29/2018	1	182	182
CUSTOMER REQUEST	3/29/2018	1	1	1
PLANNED	3/29/2018	7	700	100

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/29/2018	5	535	107
CUSTOMER REQUEST	3/29/2018	14	3,808	272
PLANNED	3/29/2018	5	440	88
PLANNED	3/29/2018	1	58	58
PLANNED	3/29/2018	2	1,006	503
PLANNED	3/29/2018	8	121	37
PLANNED	3/29/2018	1	141	141
PLANNED	3/29/2018	50	7,200	144
PLANNED	3/29/2018	1	112	112
PLANNED	3/29/2018	3	477	159
CUSTOMER REQUEST	3/29/2018	4	244	61
PLANNED	3/29/2018	12	1,620	135
PLANNED	3/29/2018	11	55	5
PLANNED	3/29/2018	10	2,190	219
PLANNED	3/29/2018	1	61	61
PLANNED	3/29/2018	6	336	56
PLANNED	3/29/2018	6	450	75
PLANNED	3/29/2018	7	511	85
PLANNED	3/29/2018	1	66	66
PLANNED	3/29/2018	1	45	45
PLANNED	3/29/2018	1	30	30
PLANNED	3/29/2018	2	234	117
PLANNED	3/29/2018	2	80	40
PLANNED	3/29/2018	4	444	111
PLANNED	3/29/2018	1	193	193
PLANNED	3/29/2018	1	55	55
PLANNED	3/29/2018	63	5,985	95
PLANNED	3/29/2018	3	285	95
PLANNED	3/29/2018	4	196	49
PLANNED	3/29/2018	2	186	93
PLANNED	3/29/2018	6	282	47
PLANNED	3/29/2018	3	339	113
PLANNED	3/29/2018	3	429	143
PLANNED	3/29/2018	1	177	177
PLANNED	3/29/2018	2	382	191
PLANNED	3/29/2018	11	1,111	101
PLANNED	3/29/2018	1	132	132
PLANNED	3/29/2018	4	124	31
PLANNED	3/29/2018	2	108	54
PLANNED	3/29/2018	4	532	133
PLANNED	3/29/2018	5	390	78
CUSTOMER REQUEST	3/29/2018	1	78	78
PLANNED	3/29/2018	4	484	121
PLANNED	3/29/2018	4	204	51
CUSTOMER REQUEST	3/29/2018	2	164	82
CUSTOMER REQUEST	3/29/2018	1	229	229
PLANNED	3/29/2018	1	65	65
PLANNED	3/29/2018	1	249	249
PLANNED	3/29/2018	7	35	5
PLANNED	3/29/2018	1	72	72
PLANNED	3/29/2018	1	109	109

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/29/2018	2	122	61
PLANNED	3/29/2018	5	405	81
PLANNED	3/29/2018	2	48	24
PLANNED	3/29/2018	1	133	133
PLANNED	3/29/2018	2	222	111
PLANNED	3/29/2018	19	4,940	260
PLANNED	3/29/2018	13	3,458	266
PLANNED	3/29/2018	2	550	275
PLANNED	3/29/2018	2	548	274
PLANNED	3/30/2018	2	102	51
PLANNED	3/30/2018	1	61	61
PLANNED	3/30/2018	13	3,289	253
PLANNED	3/30/2018	1	316	316
PLANNED	3/30/2018	6	858	143
CUSTOMER REQUEST	3/30/2018	29	1,044	36
PLANNED	3/30/2018	4	276	69
PLANNED	3/30/2018	6	1,422	237
PLANNED	3/30/2018	7	693	99
PLANNED	3/30/2018	2	148	74
PLANNED	3/30/2018	3	330	110
PLANNED	3/30/2018	1	406	406
CUSTOMER REQUEST	3/30/2018	100	30,500	305
PLANNED	3/30/2018	1	57	57
PLANNED	3/30/2018	8	1,800	225
PLANNED	3/30/2018	7	819	117
PLANNED	3/30/2018	13	65	5
PLANNED	3/30/2018	1	34	34
PLANNED	3/30/2018	7	1,652	236
PLANNED	3/30/2018	4	460	115
PLANNED	3/30/2018	4	412	103
PLANNED	3/30/2018	1	33	33
PLANNED	3/30/2018	22	1,760	80
PLANNED	3/30/2018	40	8,560	214
PLANNED	3/30/2018	21	5,901	281
PLANNED	3/30/2018	1	716	716
PLANNED	3/30/2018	1	29	29
PLANNED	3/30/2018	15	3,630	242
PLANNED	3/30/2018	19	1,577	83
PLANNED	3/30/2018	11	1,408	128
PLANNED	3/30/2018	4	260	65
PLANNED	3/30/2018	3	441	147
PLANNED	3/30/2018	8	624	78
PLANNED	3/30/2018	1	115	115
PLANNED	3/30/2018	2	216	108
PLANNED	3/30/2018	8	456	57
CUSTOMER REQUEST	3/30/2018	1	216	216
PLANNED	3/30/2018	6	456	76
PLANNED	3/30/2018	1	29	29
CUSTOMER REQUEST	3/30/2018	12	96	8
PLANNED	3/30/2018	1	177	177
PLANNED	3/30/2018	15	15	1

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	3/30/2018	13	104	8
PLANNED	3/30/2018	1	22	22
PLANNED	3/30/2018	2	24	12
CUSTOMER REQUEST	3/30/2018	5	305	61
PLANNED	3/30/2018	4	316	79
PLANNED	3/30/2018	7	28	4
PLANNED	3/30/2018	3	246	82
PLANNED	3/30/2018	4	128	32
PLANNED	3/30/2018	19	1,368	72
PLANNED	3/31/2018	5	645	129
PLANNED	3/31/2018	4	540	135
PLANNED	3/31/2018	1	22	22
PLANNED	3/31/2018	4	68	17
PLANNED	3/31/2018	1	116	116
PLANNED	3/31/2018	28	140	5
PLANNED	4/1/2018	9	1,530	170
PLANNED	4/2/2018	1	35	35
PLANNED	4/2/2018	5	1,765	353
PLANNED	4/2/2018	3	288	96
CUSTOMER REQUEST	4/2/2018	9	1,827	203
PLANNED	4/2/2018	8	40	5
PLANNED	4/2/2018	4	392	98
PLANNED	4/2/2018	6	276	46
CUSTOMER REQUEST	4/2/2018	11	4,708	428
PLANNED	4/2/2018	8	1,168	146
PLANNED	4/2/2018	7	1,589	227
CUSTOMER REQUEST	4/2/2018	8	56	7
PLANNED	4/2/2018	2	130	65
PLANNED	4/2/2018	1	263	263
PLANNED	4/2/2018	5	25	5
PLANNED	4/2/2018	10	920	92
PLANNED	4/2/2018	11	1,012	92
PLANNED	4/2/2018	14	1,330	95
PLANNED	4/2/2018	3	528	176
PLANNED	4/2/2018	12	108	9
PLANNED	4/2/2018	6	168	28
CUSTOMER REQUEST	4/2/2018	7	994	142
PLANNED	4/2/2018	8	448	56
PLANNED	4/2/2018	3	189	63
PLANNED	4/2/2018	9	243	27
PLANNED	4/2/2018	4	436	109
PLANNED	4/2/2018	14	434	31
PLANNED	4/2/2018	1	37	37
PLANNED	4/2/2018	2	246	123
PLANNED	4/2/2018	3	60	20
PLANNED	4/2/2018	3	297	99
PLANNED	4/2/2018	15	3,780	252
PLANNED	4/2/2018	8	912	114
PLANNED	4/2/2018	18	972	54
PLANNED	4/2/2018	8	728	91
PLANNED	4/2/2018	8	728	91

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/2/2018	8	256	32
PLANNED	4/2/2018	10	1,720	172
PLANNED	4/2/2018	23	4,807	209
PLANNED	4/2/2018	4	724	181
PLANNED	4/2/2018	1	72	72
PLANNED	4/2/2018	1	135	135
PLANNED	4/2/2018	1	79	79
PLANNED	4/2/2018	3	294	98
PLANNED	4/2/2018	12	744	62
PLANNED	4/2/2018	8	272	34
PLANNED	4/2/2018	4	304	76
PLANNED	4/2/2018	79	7,841	151
PLANNED	4/2/2018	4	68	17
PLANNED	4/2/2018	36	6,300	175
PLANNED	4/2/2018	6	66	11
PLANNED	4/2/2018	37	6,179	167
PLANNED	4/2/2018	37	6,105	165
PLANNED	4/2/2018	4	428	107
CUSTOMER REQUEST	4/2/2018	3	738	246
PLANNED	4/2/2018	8	344	43
PLANNED	4/2/2018	15	2,835	189
PLANNED	4/2/2018	1	7	7
PLANNED	4/2/2018	10	140	14
PLANNED	4/2/2018	1	66	66
PLANNED	4/2/2018	1	24	24
PLANNED	4/2/2018	28	5,852	209
PLANNED	4/2/2018	5	885	197
CUSTOMER REQUEST	4/2/2018	4	172	43
PLANNED	4/2/2018	8	160	20
PLANNED	4/2/2018	7	28	4
PLANNED	4/2/2018	8	464	58
PLANNED	4/2/2018	1	47	47
PLANNED	4/2/2018	19	1,444	76
PLANNED	4/2/2018	13	819	63
PLANNED	4/2/2018	10	800	80
PLANNED	4/2/2018	1	145	145
PLANNED	4/2/2018	3	648	216
PLANNED	4/2/2018	1	123	123
PLANNED	4/2/2018	4	120	30
PLANNED	4/2/2018	6	18	3
PLANNED	4/2/2018	4	60	15
PLANNED	4/2/2018	2	132	66
PLANNED	4/2/2018	2	168	84
PLANNED	4/2/2018	4	100	25
PLANNED	4/2/2018	7	231	33
PLANNED	4/2/2018	1	92	92
PLANNED	4/2/2018	19	5,396	284
PLANNED	4/2/2018	2	156	78
CUSTOMER REQUEST	4/2/2018	20	1,780	89
PLANNED	4/2/2018	2	36	18
CUSTOMER REQUEST	4/2/2018	1	237	237

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/2/2018	1	39	39
CUSTOMER REQUEST	4/2/2018	4	164	41
PLANNED	4/2/2018	4	76	19
PLANNED	4/2/2018	8	16	2
PLANNED	4/2/2018	7	336	48
PLANNED	4/2/2018	4	384	96
PLANNED	4/2/2018	13	1,105	85
PLANNED	4/2/2018	1	148	148
PLANNED	4/2/2018	2	150	75
PLANNED	4/2/2018	4	496	124
PLANNED	4/2/2018	1	42	42
PLANNED	4/2/2018	14	1,274	91
PLANNED	4/2/2018	9	216	24
PLANNED	4/2/2018	1	69	69
PLANNED	4/2/2018	1	21	21
PLANNED	4/2/2018	3	321	107
PLANNED	4/2/2018	1	131	131
PLANNED	4/2/2018	8	128	16
PLANNED	4/2/2018	1	61	61
PLANNED	4/3/2018	4	244	61
PLANNED	4/3/2018	4	396	99
PLANNED	4/3/2018	7	1,015	145
PLANNED	4/3/2018	6	552	92
PLANNED	4/3/2018	7	1,099	157
PLANNED	4/3/2018	1	32	32
PLANNED	4/3/2018	7	2,058	294
PLANNED	4/3/2018	7	2,058	294
PLANNED	4/3/2018	8	272	34
PLANNED	4/3/2018	6	186	31
PLANNED	4/3/2018	8	488	61
PLANNED	4/3/2018	2	142	71
PLANNED	4/3/2018	2	274	137
PLANNED	4/3/2018	7	511	73
PLANNED	4/3/2018	2	52	26
PLANNED	4/3/2018	1	138	138
PLANNED	4/3/2018	30	390	13
PLANNED	4/3/2018	5	385	77
PLANNED	4/3/2018	32	2,144	67
PLANNED	4/3/2018	10	1,590	159
CUSTOMER REQUEST	4/3/2018	24	1,488	62
PLANNED	4/3/2018	21	1,575	75
PLANNED	4/3/2018	15	750	50
PLANNED	4/3/2018	10	700	70
PLANNED	4/3/2018	5	350	70
PLANNED	4/3/2018	10	2,510	251
PLANNED	4/3/2018	2	192	96
PLANNED	4/3/2018	6	1,446	241
PLANNED	4/3/2018	1	7	7
PLANNED	4/3/2018	38	722	19
PLANNED	4/3/2018	5	60	12
CUSTOMER REQUEST	4/3/2018	35	3,080	88

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/3/2018	1	77	77
PLANNED	4/3/2018	11	1,243	113
PLANNED	4/3/2018	3	129	43
CUSTOMER REQUEST	4/3/2018	5	135	27
PLANNED	4/3/2018	8	184	23
PLANNED	4/3/2018	9	909	101
PLANNED	4/3/2018	13	4,134	318
PLANNED	4/3/2018	7	280	40
PLANNED	4/3/2018	1	47	47
PLANNED	4/3/2018	5	320	64
PLANNED	4/3/2018	13	2,418	186
PLANNED	4/3/2018	7	196	28
PLANNED	4/3/2018	1	160	160
PLANNED	4/3/2018	14	2,674	191
PLANNED	4/3/2018	7	763	109
PLANNED	4/3/2018	13	2,574	198
PLANNED	4/3/2018	9	1,107	123
PLANNED	4/3/2018	7	371	53
PLANNED	4/3/2018	1	18	18
PLANNED	4/3/2018	4	572	143
PLANNED	4/3/2018	7	546	78
PLANNED	4/3/2018	10	230	23
PLANNED	4/3/2018	3	93	31
PLANNED	4/3/2018	4	620	155
PLANNED	4/3/2018	2	68	34
PLANNED	4/3/2018	2	74	37
PLANNED	4/3/2018	4	900	225
PLANNED	4/3/2018	79	5,598	90
PLANNED	4/3/2018	10	1,453	184
PLANNED	4/3/2018	1	26	26
PLANNED	4/3/2018	7	448	64
PLANNED	4/3/2018	9	342	38
PLANNED	4/3/2018	2	2	1
PLANNED	4/3/2018	6	678	113
CUSTOMER REQUEST	4/3/2018	8	416	52
PLANNED	4/3/2018	6	132	22
PLANNED	4/3/2018	1	89	89
PLANNED	4/3/2018	7	133	19
PLANNED	4/3/2018	1	12	12
PLANNED	4/3/2018	19	1,748	92
PLANNED	4/3/2018	3	204	68
PLANNED	4/3/2018	25	425	17
PLANNED	4/3/2018	5	290	58
PLANNED	4/3/2018	2	128	64
PLANNED	4/3/2018	6	150	25
PLANNED	4/3/2018	3	303	101
PLANNED	4/3/2018	2	336	168
PLANNED	4/3/2018	1	21	21
CUSTOMER REQUEST	4/3/2018	1	251	251
PLANNED	4/3/2018	4	160	40
PLANNED	4/3/2018	3	180	60

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/3/2018	9	324	36
PLANNED	4/3/2018	20	1,480	74
PLANNED	4/3/2018	7	147	21
PLANNED	4/3/2018	10	360	36
PLANNED	4/3/2018	1	77	77
PLANNED	4/3/2018	11	1,254	114
PLANNED	4/3/2018	7	903	129
PLANNED	4/3/2018	1	18	18
PLANNED	4/3/2018	8	664	83
PLANNED	4/3/2018	2	74	37
PLANNED	4/3/2018	2	194	97
PLANNED	4/3/2018	3	156	52
PLANNED	4/3/2018	1	107	107
PLANNED	4/3/2018	14	784	56
PLANNED	4/3/2018	1	86	86
PLANNED	4/3/2018	2	320	160
PLANNED	4/3/2018	2	84	42
PLANNED	4/3/2018	1	105	105
CUSTOMER REQUEST	4/3/2018	1	94	94
PLANNED	4/3/2018	16	1,232	77
PLANNED	4/3/2018	3	294	98
PLANNED	4/3/2018	7	630	90
PLANNED	4/3/2018	5	55	11
CUSTOMER REQUEST	4/3/2018	8	16	2
PLANNED	4/3/2018	3	123	49
PLANNED	4/3/2018	6	816	136
PLANNED	4/3/2018	4	744	186
PLANNED	4/3/2018	8	1,136	142
PLANNED	4/4/2018	1	69	69
PLANNED	4/4/2018	8	176	22
PLANNED	4/4/2018	9	261	29
PLANNED	4/4/2018	3	447	149
PLANNED	4/4/2018	3	72	24
PLANNED	4/4/2018	10	380	38
PLANNED	4/4/2018	2	68	34
PLANNED	4/4/2018	5	575	115
PLANNED	4/4/2018	11	2,816	256
PLANNED	4/4/2018	8	1,696	212
PLANNED	4/4/2018	26	2,808	108
PLANNED	4/4/2018	25	2,700	108
PLANNED	4/4/2018	6	750	125
PLANNED	4/4/2018	9	1,368	152
PLANNED	4/4/2018	1	86	86
PLANNED	4/4/2018	1	94	94
PLANNED	4/4/2018	11	1,738	158
PLANNED	4/4/2018	8	176	22
PLANNED	4/4/2018	3	33	11
PLANNED	4/4/2018	7	553	79
PLANNED	4/4/2018	22	6,182	281
PLANNED	4/4/2018	9	414	46
PLANNED	4/4/2018	5	770	154

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/4/2018	1	136	136
PLANNED	4/4/2018	5	465	93
PLANNED	4/4/2018	1	150	150
PLANNED	4/4/2018	3	159	53
PLANNED	4/4/2018	27	2,565	95
PLANNED	4/4/2018	5	395	79
PLANNED	4/4/2018	7	462	66
CUSTOMER REQUEST	4/4/2018	1	76	76
PLANNED	4/4/2018	11	2,640	240
PLANNED	4/4/2018	20	4,540	227
PLANNED	4/4/2018	8	696	87
PLANNED	4/4/2018	6	192	32
PLANNED	4/4/2018	8	216	27
PLANNED	4/4/2018	7	140	20
PLANNED	4/4/2018	41	10,783	263
CUSTOMER REQUEST	4/4/2018	8	64	8
PLANNED	4/4/2018	2	128	64
PLANNED	4/4/2018	9	1,044	116
PLANNED	4/4/2018	5	240	48
PLANNED	4/4/2018	2	22	11
PLANNED	4/4/2018	16	2,688	168
PLANNED	4/4/2018	6	1,374	229
CUSTOMER REQUEST	4/4/2018	2	324	162
PLANNED	4/4/2018	6	576	96
PLANNED	4/4/2018	3	138	46
PLANNED	4/4/2018	8	312	39
PLANNED	4/4/2018	2	54	27
PLANNED	4/4/2018	30	1,920	64
PLANNED	4/4/2018	4	656	164
PLANNED	4/4/2018	10	1,700	170
PLANNED	4/4/2018	9	2,241	249
PLANNED	4/4/2018	3	99	33
PLANNED	4/4/2018	2	44	22
PLANNED	4/4/2018	10	2,460	246
PLANNED	4/4/2018	10	870	87
PLANNED	4/4/2018	35	6,930	198
PLANNED	4/4/2018	3	438	146
PLANNED	4/4/2018	47	20,163	429
CUSTOMER REQUEST	4/4/2018	1	397	397
PLANNED	4/4/2018	8	296	37
PLANNED	4/4/2018	2	190	95
PLANNED	4/4/2018	2	4	2
PLANNED	4/4/2018	6	924	154
PLANNED	4/4/2018	5	1,350	270
PLANNED	4/4/2018	2	524	262
CUSTOMER REQUEST	4/4/2018	1	188	188
PLANNED	4/4/2018	1	26	26
PLANNED	4/4/2018	10	460	46
PLANNED	4/4/2018	8	304	38
PLANNED	4/4/2018	1	263	263
PLANNED	4/4/2018	11	2,871	261

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/4/2018	1	127	127
PLANNED	4/4/2018	4	112	28
CUSTOMER REQUEST	4/4/2018	1	120	120
PLANNED	4/4/2018	2	84	42
PLANNED	4/4/2018	3	267	89
PLANNED	4/4/2018	38	3,534	93
PLANNED	4/4/2018	4	1,056	264
PLANNED	4/4/2018	1	113	113
CUSTOMER REQUEST	4/4/2018	12	2,508	209
PLANNED	4/4/2018	2	82	41
PLANNED	4/4/2018	2	100	50
PLANNED	4/4/2018	8	312	39
PLANNED	4/4/2018	8	440	55
CUSTOMER REQUEST	4/4/2018	1	6	6
CUSTOMER REQUEST	4/4/2018	3	51	17
PLANNED	4/4/2018	12	1,308	109
PLANNED	4/4/2018	6	492	82
PLANNED	4/4/2018	3	360	120
PLANNED	4/4/2018	9	522	58
PLANNED	4/4/2018	1	53	53
CUSTOMER REQUEST	4/4/2018	1	326	336
PLANNED	4/4/2018	4	44	11
PLANNED	4/4/2018	2	38	19
PLANNED	4/4/2018	8	832	104
PLANNED	4/4/2018	9	2,169	241
CUSTOMER REQUEST	4/4/2018	1	21	21
CUSTOMER REQUEST	4/4/2018	1	1,028	1,028
PLANNED	4/4/2018	2	174	87
PLANNED	4/4/2018	1	41	41
PLANNED	4/4/2018	1	24	24
PLANNED	4/4/2018	1	38	38
CUSTOMER REQUEST	4/4/2018	1	127	127
PLANNED	4/4/2018	3	54	18
PLANNED	4/4/2018	1	166	166
PLANNED	4/4/2018	8	200	25
PLANNED	4/4/2018	10	270	27
PLANNED	4/4/2018	1	122	122
PLANNED	4/4/2018	2	278	139
PLANNED	4/4/2018	2	136	68
PLANNED	4/4/2018	2	306	153
PLANNED	4/5/2018	11	1,898	248
PLANNED	4/5/2018	21	3,150	150
PLANNED	4/5/2018	17	2,448	144
PLANNED	4/5/2018	2	142	71
PLANNED	4/5/2018	2	140	70
PLANNED	4/5/2018	2	90	45
PLANNED	4/5/2018	2	270	135
PLANNED	4/5/2018	13	637	49
PLANNED	4/5/2018	6	252	42
PLANNED	4/5/2018	12	444	37
PLANNED	4/5/2018	2	330	165

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/5/2018	4	196	49
PLANNED	4/5/2018	7	357	51
PLANNED	4/5/2018	2	120	60
PLANNED	4/5/2018	3	468	156
PLANNED	4/5/2018	9	315	35
PLANNED	4/5/2018	13	1,144	88
PLANNED	4/5/2018	4	404	101
PLANNED	4/5/2018	1	73	73
PLANNED	4/5/2018	1	45	45
PLANNED	4/5/2018	8	1,552	194
PLANNED	4/5/2018	6	1,548	258
PLANNED	4/5/2018	27	3,807	141
PLANNED	4/5/2018	24	3,720	155
PLANNED	4/5/2018	4	112	28
PLANNED	4/5/2018	57	9,120	160
PLANNED	4/5/2018	1	145	145
PLANNED	4/5/2018	2	16	8
PLANNED	4/5/2018	11	121	11
PLANNED	4/5/2018	16	592	37
PLANNED	4/5/2018	1	111	111
PLANNED	4/5/2018	1	47	47
PLANNED	4/5/2018	44	220	5
CUSTOMER REQUEST	4/5/2018	169	30,420	180
PLANNED	4/5/2018	4	452	113
PLANNED	4/5/2018	12	1,020	85
PLANNED	4/5/2018	2	100	50
PLANNED	4/5/2018	3	261	87
PLANNED	4/5/2018	1	201	201
PLANNED	4/5/2018	7	28	4
PLANNED	4/5/2018	1	244	244
PLANNED	4/5/2018	2	34	17
PLANNED	4/5/2018	2	254	127
PLANNED	4/5/2018	2	178	89
PLANNED	4/5/2018	10	410	41
PLANNED	4/5/2018	4	532	133
PLANNED	4/5/2018	2	154	77
PLANNED	4/5/2018	11	240	56
PLANNED	4/5/2018	10	2,270	227
PLANNED	4/5/2018	1	96	96
PLANNED	4/5/2018	1	33	33
PLANNED	4/5/2018	2	24	12
PLANNED	4/5/2018	4	396	99
PLANNED	4/5/2018	1	121	121
PLANNED	4/5/2018	7	413	59
PLANNED	4/5/2018	4	224	56
PLANNED	4/5/2018	5	275	55
PLANNED	4/5/2018	4	176	44
PLANNED	4/5/2018	2	204	102
PLANNED	4/5/2018	2	60	30
PLANNED	4/5/2018	33	66	2
PLANNED	4/5/2018	8	128	16

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/5/2018	15	1,590	106
PLANNED	4/5/2018	4	64	16
PLANNED	4/5/2018	13	1,339	103
PLANNED	4/5/2018	8	424	53
PLANNED	4/5/2018	3	99	33
PLANNED	4/5/2018	9	1,134	126
PLANNED	4/5/2018	8	640	80
PLANNED	4/5/2018	8	440	55
PLANNED	4/5/2018	2	334	167
PLANNED	4/5/2018	1	51	51
PLANNED	4/5/2018	4	584	146
PLANNED	4/5/2018	8	176	22
PLANNED	4/5/2018	1	330	330
PLANNED	4/5/2018	2	48	24
PLANNED	4/5/2018	4	424	106
PLANNED	4/5/2018	2	80	40
PLANNED	4/5/2018	2	288	144
PLANNED	4/5/2018	1	24	24
PLANNED	4/5/2018	1	84	84
PLANNED	4/5/2018	9	576	64
PLANNED	4/5/2018	6	108	18
PLANNED	4/5/2018	4	236	59
PLANNED	4/5/2018	11	748	68
PLANNED	4/5/2018	6	330	55
CUSTOMER REQUEST	4/5/2018	1	214	214
PLANNED	4/5/2018	1	169	169
PLANNED	4/5/2018	1	83	83
CUSTOMER REQUEST	4/5/2018	1	224	224
PLANNED	4/5/2018	3	186	62
CUSTOMER REQUEST	4/5/2018	1	222	222
PLANNED	4/5/2018	1	79	79
PLANNED	4/5/2018	23	1,035	45
PLANNED	4/5/2018	9	927	103
PLANNED	4/5/2018	1	122	122
PLANNED	4/5/2018	7	518	74
PLANNED	4/5/2018	6	1,578	263
PLANNED	4/5/2018	1	239	239
PLANNED	4/5/2018	6	408	68
PLANNED	4/5/2018	4	72	18
PLANNED	4/5/2018	3	336	112
PLANNED	4/5/2018	1	113	113
PLANNED	4/5/2018	5	370	74
PLANNED	4/6/2018	1	83	83
PLANNED	4/6/2018	1	194	194
PLANNED	4/6/2018	2	146	73
PLANNED	4/6/2018	4	240	60
PLANNED	4/6/2018	4	180	45
PLANNED	4/6/2018	2	136	68
PLANNED	4/6/2018	1	46	46
PLANNED	4/6/2018	3	438	146
PLANNED	4/6/2018	1	7	7

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/6/2018	5	405	81
PLANNED	4/6/2018	3	36	12
PLANNED	4/6/2018	2	10	5
PLANNED	4/6/2018	10	1,370	137
PLANNED	4/6/2018	1	125	125
PLANNED	4/6/2018	1	10	10
PLANNED	4/6/2018	67	3,752	56
PLANNED	4/6/2018	9	135	15
PLANNED	4/6/2018	38	5,586	147
PLANNED	4/6/2018	3	90	30
PLANNED	4/6/2018	5	580	116
PLANNED	4/6/2018	1	33	33
PLANNED	4/6/2018	5	70	14
PLANNED	4/6/2018	8	256	32
CUSTOMER REQUEST	4/6/2018	4	112	28
PLANNED	4/6/2018	1	155	155
PLANNED	4/6/2018	8	200	25
PLANNED	4/6/2018	43	6,192	144
PLANNED	4/6/2018	1	58	58
PLANNED	4/6/2018	1	76	76
PLANNED	4/6/2018	8	256	32
PLANNED	4/6/2018	10	1,590	159
PLANNED	4/6/2018	2	54	27
PLANNED	4/6/2018	4	936	234
PLANNED	4/6/2018	42	8,434	285
PLANNED	4/6/2018	2	164	82
PLANNED	4/6/2018	3	426	142
PLANNED	4/6/2018	1	361	361
PLANNED	4/6/2018	2	722	361
PLANNED	4/6/2018	2	720	360
PLANNED	4/6/2018	10	2,330	233
PLANNED	4/6/2018	1	111	111
PLANNED	4/6/2018	8	264	33
PLANNED	4/6/2018	9	1,386	154
CUSTOMER REQUEST	4/6/2018	10	140	14
PLANNED	4/6/2018	3	249	83
CUSTOMER REQUEST	4/6/2018	35	3,045	87
PLANNED	4/6/2018	2	302	151
PLANNED	4/6/2018	17	1,496	88
PLANNED	4/6/2018	1	23	23
CUSTOMER REQUEST	4/6/2018	16	240	15
CUSTOMER REQUEST	4/6/2018	2	94	47
CUSTOMER REQUEST	4/6/2018	12	432	36
PLANNED	4/6/2018	8	376	47
PLANNED	4/6/2018	1	93	93
PLANNED	4/6/2018	9	117	13
PLANNED	4/6/2018	3	111	37
PLANNED	4/6/2018	4	64	16
PLANNED	4/6/2018	10	140	14
PLANNED	4/6/2018	1	98	98
PLANNED	4/6/2018	26	286	11

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/6/2018	6	150	25
PLANNED	4/6/2018	14	224	16
PLANNED	4/6/2018	2	242	121
PLANNED	4/6/2018	17	357	21
PLANNED	4/6/2018	8	1,632	204
PLANNED	4/6/2018	4	296	74
PLANNED	4/6/2018	1	35	35
PLANNED	4/6/2018	4	16	4
PLANNED	4/6/2018	5	35	7
PLANNED	4/6/2018	1	256	256
PLANNED	4/7/2018	5	905	181
PLANNED	4/7/2018	1	231	231
PLANNED	4/7/2018	1	160	160
CUSTOMER REQUEST	4/7/2018	1	57	57
PLANNED	4/7/2018	15	1,230	82
PLANNED	4/7/2018	1	212	212
CUSTOMER REQUEST	4/7/2018	1	407	407
PLANNED	4/7/2018	10	1,050	105
CUSTOMER REQUEST	4/7/2018	1	123	123
PLANNED	4/7/2018	8	4,712	589
CUSTOMER REQUEST	4/7/2018	1	82	82
PLANNED	4/7/2018	9	1,080	120
PLANNED	4/7/2018	10	1,310	131
CUSTOMER REQUEST	4/7/2018	5	685	137
CUSTOMER REQUEST	4/7/2018	1,792	37,632	21
PLANNED	4/7/2018	2	132	68
CUSTOMER REQUEST	4/7/2018	1	589	589
PLANNED	4/8/2018	1	209	209
PLANNED	4/8/2018	23	3,013	131
PLANNED	4/8/2018	5	190	38
PLANNED	4/8/2018	33	5,313	161
PLANNED	4/8/2018	17	289	17
PLANNED	4/8/2018	5	290	58
CUSTOMER REQUEST	4/8/2018	1	61	61
CUSTOMER REQUEST	4/8/2018	3	675	225
PLANNED	4/8/2018	7	1,260	180
PLANNED	4/8/2018	8	784	98
PLANNED	4/8/2018	1	151	151
PLANNED	4/8/2018	6	936	156
PLANNED	4/9/2018	1	393	393
CUSTOMER REQUEST	4/9/2018	1	125	125
PLANNED	4/9/2018	1	24	24
PLANNED	4/9/2018	3	261	87
PLANNED	4/9/2018	1	82	82
PLANNED	4/9/2018	7	553	79
PLANNED	4/9/2018	11	1,353	123
PLANNED	4/9/2018	2	134	67
PLANNED	4/9/2018	1	83	83
PLANNED	4/9/2018	10	2,370	237
PLANNED	4/9/2018	2	532	266
PLANNED	4/9/2018	7	420	60

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/9/2018	1	147	147
PLANNED	4/9/2018	1	30	30
PLANNED	4/9/2018	2	70	35
PLANNED	4/9/2018	1	59	59
PLANNED	4/9/2018	10	1,560	156
PLANNED	4/9/2018	3	90	30
PLANNED	4/9/2018	7	469	67
PLANNED	4/9/2018	6	846	141
PLANNED	4/9/2018	6	930	155
CUSTOMER REQUEST	4/9/2018	25	10,650	426
PLANNED	4/9/2018	71	15,478	218
CUSTOMER REQUEST	4/9/2018	1	22	22
PLANNED	4/9/2018	7	1,470	210
PLANNED	4/9/2018	7	952	136
PLANNED	4/9/2018	5	720	144
PLANNED	4/9/2018	2	148	74
CUSTOMER REQUEST	4/9/2018	3	330	110
PLANNED	4/9/2018	5	740	148
PLANNED	4/9/2018	2	38	19
PLANNED	4/9/2018	3	378	126
PLANNED	4/9/2018	23	3,427	149
PLANNED	4/9/2018	1	26	26
PLANNED	4/9/2018	7	315	45
PLANNED	4/9/2018	9	360	40
PLANNED	4/9/2018	1	50	50
PLANNED	4/9/2018	18	4,158	231
PLANNED	4/9/2018	5	15	3
PLANNED	4/9/2018	22	1,914	87
PLANNED	4/9/2018	8	792	99
PLANNED	4/9/2018	9	576	64
PLANNED	4/9/2018	3	354	118
PLANNED	4/9/2018	7	245	35
PLANNED	4/9/2018	20	1,780	89
PLANNED	4/9/2018	15	1,005	67
PLANNED	4/9/2018	17	272	16
PLANNED	4/9/2018	6	756	126
PLANNED	4/9/2018	2	176	88
PLANNED	4/9/2018	5	925	185
PLANNED	4/9/2018	4	152	38
PLANNED	4/9/2018	8	1,016	127
PLANNED	4/9/2018	18	1,080	60
PLANNED	4/9/2018	11	2,046	186
PLANNED	4/9/2018	27	2,160	80
PLANNED	4/9/2018	1	82	82
PLANNED	4/9/2018	25	1,850	74
PLANNED	4/9/2018	1	30	30
PLANNED	4/9/2018	13	910	70
PLANNED	4/9/2018	12	840	70
PLANNED	4/9/2018	1	105	105
PLANNED	4/9/2018	2	180	90
PLANNED	4/9/2018	12	2,604	217

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/9/2018	4	1,036	259
CUSTOMER REQUEST	4/9/2018	1	650	650
PLANNED	4/9/2018	2	360	180
PLANNED	4/9/2018	2	324	162
PLANNED	4/9/2018	9	486	54
PLANNED	4/9/2018	7	392	56
PLANNED	4/9/2018	11	99	9
PLANNED	4/9/2018	5	50	10
PLANNED	4/9/2018	1	111	111
PLANNED	4/9/2018	8	696	87
PLANNED	4/9/2018	6	1,944	324
PLANNED	4/9/2018	16	368	23
PLANNED	4/9/2018	1	49	49
CUSTOMER REQUEST	4/9/2018	1	301	301
PLANNED	4/9/2018	4	152	38
PLANNED	4/9/2018	15	1,185	79
PLANNED	4/9/2018	3	402	134
PLANNED	4/9/2018	112	2,352	21
PLANNED	4/9/2018	8	152	19
PLANNED	4/9/2018	12	1,344	112
PLANNED	4/9/2018	7	630	90
PLANNED	4/9/2018	9	108	12
PLANNED	4/9/2018	6	846	141
PLANNED	4/9/2018	1	67	67
PLANNED	4/9/2018	1	61	61
PLANNED	4/9/2018	2	256	128
PLANNED	4/9/2018	56	2,240	40
PLANNED	4/9/2018	2	170	85
PLANNED	4/9/2018	2	60	30
PLANNED	4/9/2018	4	260	65
CUSTOMER REQUEST	4/9/2018	3	48	16
PLANNED	4/9/2018	2	46	23
PLANNED	4/9/2018	6	408	68
PLANNED	4/9/2018	3	348	116
PLANNED	4/9/2018	2	60	30
PLANNED	4/9/2018	5	905	181
PLANNED	4/9/2018	1	97	97
PLANNED	4/9/2018	19	171	9
PLANNED	4/9/2018	7	119	17
PLANNED	4/9/2018	13	806	62
PLANNED	4/9/2018	20	1,020	51
PLANNED	4/9/2018	9	1,413	157
PLANNED	4/9/2018	13	1,833	141
PLANNED	4/9/2018	11	44	4
PLANNED	4/9/2018	10	640	64
PLANNED	4/9/2018	5	690	138
Tornado	4/10/2018	8	2,512	314
PLANNED	4/10/2018	18	1,296	72
Tornado	4/10/2018	10	3,230	323
PLANNED	4/10/2018	4	316	79
PLANNED	4/10/2018	3	465	155

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	4/10/2018	4	680	170
Tornado	4/10/2018	8	456	57
Tornado	4/10/2018	23	6,463	281
Tornado	4/10/2018	6	738	123
Tornado	4/10/2018	27	2,322	86
Tornado	4/10/2018	3	132	44
Tornado	4/10/2018	23	368	16
PLANNED	4/10/2018	55	2,035	37
Tornado	4/10/2018	16	1,568	98
PLANNED	4/10/2018	6	354	59
PLANNED	4/10/2018	6	342	57
PLANNED	4/10/2018	1	31	31
Tornado	4/10/2018	5	175	35
PLANNED	4/10/2018	2	368	184
Tornado	4/10/2018	2	80	40
PLANNED	4/10/2018	1	146	146
Tornado	4/10/2018	8	1,264	158
Tornado	4/10/2018	3	294	98
Tornado	4/10/2018	1	106	106
Tornado	4/10/2018	9	1,413	157
PLANNED	4/10/2018	2	68	34
Tornado	4/10/2018	5	45	9
PLANNED	4/10/2018	1	78	78
Tornado	4/10/2018	108	8,748	81
Tornado	4/10/2018	8	1,968	246
Tornado	4/10/2018	3	318	106
Tornado	4/10/2018	6	414	69
Tornado	4/10/2018	5	315	63
Tornado	4/10/2018	1	259	259
Tornado	4/10/2018	1	93	93
Tornado	4/10/2018	4	128	32
PLANNED	4/10/2018	3	675	225
CUSTOMER REQUEST	4/10/2018	1	161	161
PLANNED	4/10/2018	40	11,680	292
Tornado	4/10/2018	26	1,950	75
PLANNED	4/10/2018	1	90	90
PLANNED	4/10/2018	2	568	284
Tornado	4/10/2018	4	292	73
Tornado	4/10/2018	3	372	124
PLANNED	4/10/2018	4	832	208
Tornado	4/10/2018	6	570	95
Tornado	4/10/2018	3	300	100
Tornado	4/10/2018	3	176	98
PLANNED	4/10/2018	1	179	179
Tornado	4/10/2018	37	111	3
Tornado	4/10/2018	5	20	4
Tornado	4/10/2018	11	792	72
Tornado	4/10/2018	18	36	2
Tornado	4/10/2018	1	58	58
Tornado	4/10/2018	34	2,176	64
Tornado	4/10/2018	4	648	162

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/10/2018	26	1,924	74
PLANNED	4/10/2018	4	64	16
Tornado	4/10/2018	6	312	52
Tornado	4/10/2018	12	444	37
Tornado	4/10/2018	4	652	163
Tornado	4/10/2018	6	270	45
Tornado	4/10/2018	1	62	62
Tornado	4/10/2018	2	116	58
Tornado	4/10/2018	12	852	71
Tornado	4/10/2018	3	321	107
Tornado	4/10/2018	13	1,599	123
Tornado	4/10/2018	8	176	22
Tornado	4/10/2018	5	55	11
Tornado	4/10/2018	4	140	35
Tornado	4/10/2018	7	259	37
Tornado	4/10/2018	1	94	94
PLANNED	4/10/2018	4	72	18
Tornado	4/10/2018	5	240	48
Tornado	4/10/2018	7	42	6
Tornado	4/10/2018	1	236	236
Tornado	4/10/2018	11	1,474	134
CUSTOMER REQUEST	4/10/2018	1	70	70
PLANNED	4/10/2018	2	116	58
PLANNED	4/11/2018	2	314	157
CUSTOMER REQUEST	4/11/2018	1	262	262
PLANNED	4/11/2018	7	357	51
PLANNED	4/11/2018	15	840	56
PLANNED	4/11/2018	11	473	43
PLANNED	4/11/2018	4	568	142
PLANNED	4/11/2018	7	189	27
PLANNED	4/11/2018	14	322	23
PLANNED	4/11/2018	1	68	68
PLANNED	4/11/2018	1	181	181
PLANNED	4/11/2018	9	945	105
PLANNED	4/11/2018	2	424	212
PLANNED	4/11/2018	1	73	73
CUSTOMER REQUEST	4/11/2018	16	800	50
PLANNED	4/11/2018	1	105	105
PLANNED	4/11/2018	3	609	203
PLANNED	4/11/2018	34	4,760	140
PLANNED	4/11/2018	5	320	64
PLANNED	4/11/2018	2	388	194
PLANNED	4/11/2018	2	388	194
PLANNED	4/11/2018	1	972	972
CUSTOMER REQUEST	4/11/2018	1	344	344
PLANNED	4/11/2018	4	1,292	323
PLANNED	4/11/2018	4	992	248
PLANNED	4/11/2018	2	226	113
PLANNED	4/11/2018	5	1,360	272
PLANNED	4/11/2018	2	298	149
PLANNED	4/11/2018	1	61	61

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/11/2018	3	366	122
PLANNED	4/11/2018	2	262	142
PLANNED	4/11/2018	6	816	136
PLANNED	4/11/2018	1	83	83
PLANNED	4/11/2018	14	1,358	97
PLANNED	4/11/2018	1	102	102
PLANNED	4/11/2018	1	70	70
PLANNED	4/11/2018	1	92	92
PLANNED	4/11/2018	8	1,112	139
PLANNED	4/11/2018	1	126	126
PLANNED	4/11/2018	4	112	28
PLANNED	4/11/2018	15	2,925	195
PLANNED	4/11/2018	16	1,136	71
PLANNED	4/11/2018	7	924	132
PLANNED	4/11/2018	64	448	7
PLANNED	4/11/2018	1	158	158
PLANNED	4/11/2018	7	896	128
PLANNED	4/11/2018	54	1,404	26
PLANNED	4/11/2018	10	161	53
PLANNED	4/11/2018	1	109	109
PLANNED	4/11/2018	9	1,737	193
PLANNED	4/11/2018	12	1,092	91
PLANNED	4/11/2018	2	28	14
PLANNED	4/11/2018	34	1,122	33
PLANNED	4/11/2018	1	93	93
PLANNED	4/11/2018	12	888	74
PLANNED	4/11/2018	2	362	181
PLANNED	4/11/2018	1	86	86
PLANNED	4/11/2018	38	342	9
PLANNED	4/11/2018	12	792	66
PLANNED	4/11/2018	3	105	35
CUSTOMER REQUEST	4/11/2018	11	121	11
CUSTOMER REQUEST	4/11/2018	9	639	71
PLANNED	4/11/2018	4	128	32
PLANNED	4/11/2018	3	483	161
PLANNED	4/11/2018	1	82	82
PLANNED	4/11/2018	2	100	50
PLANNED	4/11/2018	6	726	121
PLANNED	4/11/2018	11	187	17
PLANNED	4/11/2018	6	30	5
PLANNED	4/11/2018	13	572	44
PLANNED	4/11/2018	12	528	44
PLANNED	4/11/2018	9	864	96
PLANNED	4/11/2018	7	476	68
PLANNED	4/11/2018	12	1,176	98
PLANNED	4/11/2018	6	252	42
CUSTOMER REQUEST	4/11/2018	4	264	66
PLANNED	4/11/2018	7	630	90
PLANNED	4/11/2018	1	82	82
PLANNED	4/11/2018	2	90	45
PLANNED	4/11/2018	5	405	81

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/11/2018	10	1,070	107
CUSTOMER REQUEST	4/11/2018	1	301	301
CUSTOMER REQUEST	4/11/2018	1	24	24
PLANNED	4/11/2018	11	660	60
PLANNED	4/11/2018	3	390	130
PLANNED	4/11/2018	5	380	76
PLANNED	4/11/2018	10	460	46
PLANNED	4/11/2018	3	102	34
PLANNED	4/11/2018	3	294	98
PLANNED	4/11/2018	6	750	125
PLANNED	4/11/2018	2	44	22
PLANNED	4/11/2018	66	20,790	315
PLANNED	4/11/2018	1	202	202
PLANNED	4/11/2018	1	76	76
CUSTOMER REQUEST	4/11/2018	1	42	42
PLANNED	4/11/2018	1	485	485
PLANNED	4/11/2018	2	164	82
PLANNED	4/11/2018	1	113	113
PLANNED	4/11/2018	3	336	112
PLANNED	4/11/2018	1	147	147
PLANNED	4/12/2018	4	1,220	305
PLANNED	4/12/2018	2	192	96
PLANNED	4/12/2018	4	524	131
PLANNED	4/12/2018	20	720	36
PLANNED	4/12/2018	2	208	104
PLANNED	4/12/2018	2	256	128
PLANNED	4/12/2018	5	990	198
PLANNED	4/12/2018	2	6	3
PLANNED	4/12/2018	6	48	8
PLANNED	4/12/2018	5	825	165
PLANNED	4/12/2018	1	55	55
PLANNED	4/12/2018	3	168	56
CUSTOMER REQUEST	4/12/2018	6	90	15
PLANNED	4/12/2018	7	490	70
PLANNED	4/12/2018	1	52	52
PLANNED	4/12/2018	1	51	51
PLANNED	4/12/2018	16	1,152	72
PLANNED	4/12/2018	17	1,088	64
PLANNED	4/12/2018	1	83	83
PLANNED	4/12/2018	15	3,330	222
PLANNED	4/12/2018	2	174	87
PLANNED	4/12/2018	6	258	43
PLANNED	4/12/2018	18	1,206	67
PLANNED	4/12/2018	18	1,188	66
PLANNED	4/12/2018	2	74	37
PLANNED	4/12/2018	4	24	6
PLANNED	4/12/2018	1	420	420
PLANNED	4/12/2018	1	50	50
PLANNED	4/12/2018	2	110	55
PLANNED	4/12/2018	5	1,730	346
PLANNED	4/12/2018	8	1,648	206

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/12/2018	1	16	16
PLANNED	4/12/2018	2	14	7
PLANNED	4/12/2018	6	258	43
PLANNED	4/12/2018	8	2,152	269
CUSTOMER REQUEST	4/12/2018	10	3,310	331
PLANNED	4/12/2018	8	2,200	275
PLANNED	4/12/2018	6	468	78
PLANNED	4/12/2018	7	322	46
PLANNED	4/12/2018	9	2,061	229
PLANNED	4/12/2018	7	735	105
PLANNED	4/12/2018	6	654	109
PLANNED	4/12/2018	1	100	100
PLANNED	4/12/2018	6	570	95
CUSTOMER REQUEST	4/12/2018	8	776	97
CUSTOMER REQUEST	4/12/2018	201	37,788	188
PLANNED	4/12/2018	8	376	47
PLANNED	4/12/2018	16	656	41
PLANNED	4/12/2018	4	260	65
PLANNED	4/12/2018	4	332	83
PLANNED	4/12/2018	352	37,396	241
PLANNED	4/12/2018	6	1,056	176
PLANNED	4/12/2018	3	282	94
PLANNED	4/12/2018	10	750	75
PLANNED	4/12/2018	17	1,003	59
PLANNED	4/12/2018	3	549	183
PLANNED	4/12/2018	2	184	92
CUSTOMER REQUEST	4/12/2018	8	96	12
PLANNED	4/12/2018	10	600	60
PLANNED	4/12/2018	1	450	450
PLANNED	4/12/2018	10	630	63
CUSTOMER REQUEST	4/12/2018	6	324	54
PLANNED	4/12/2018	1	291	291
PLANNED	4/12/2018	1	444	444
PLANNED	4/12/2018	9	900	100
PLANNED	4/12/2018	10	1,630	163
PLANNED	4/12/2018	4	708	177
PLANNED	4/12/2018	5	885	177
PLANNED	4/12/2018	9	117	13
PLANNED	4/12/2018	4	328	82
PLANNED	4/12/2018	6	564	94
PLANNED	4/12/2018	8	656	82
PLANNED	4/12/2018	1	43	43
CUSTOMER REQUEST	4/12/2018	10	1,980	198
CUSTOMER REQUEST	4/12/2018	285	4,461	37
PLANNED	4/12/2018	5	685	137
PLANNED	4/12/2018	5	310	62
CUSTOMER REQUEST	4/12/2018	5	460	92
PLANNED	4/12/2018	12	768	64
PLANNED	4/12/2018	28	4,760	170
PLANNED	4/12/2018	6	138	23
PLANNED	4/12/2018	7	7	1

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/12/2018	6	1,134	189
PLANNED	4/12/2018	5	5	1
PLANNED	4/12/2018	8	416	52
PLANNED	4/12/2018	3	117	39
PLANNED	4/12/2018	5	455	91
PLANNED	4/12/2018	5	295	59
PLANNED	4/12/2018	6	336	56
PLANNED	4/12/2018	14	448	32
CUSTOMER REQUEST	4/12/2018	15	30	2
PLANNED	4/12/2018	1	204	204
PLANNED	4/12/2018	9	1,233	137
PLANNED	4/12/2018	2	120	60
PLANNED	4/12/2018	8	176	22
PLANNED	4/12/2018	36	972	27
PLANNED	4/12/2018	12	564	47
PLANNED	4/12/2018	1	38	38
PLANNED	4/12/2018	6	2,838	473
PLANNED	4/12/2018	14	252	18
PLANNED	4/12/2018	2	226	113
PLANNED	4/12/2018	1	81	81
PLANNED	4/12/2018	4	48	12
PLANNED	4/12/2018	4	308	77
PLANNED	4/12/2018	10	940	94
PLANNED	4/12/2018	1	19	19
CUSTOMER REQUEST	4/12/2018	1	95	95
CUSTOMER REQUEST	4/12/2018	1	515	515
CUSTOMER REQUEST	4/12/2018	1	145	145
PLANNED	4/12/2018	3	6	2
PLANNED	4/12/2018	15	480	32
PLANNED	4/12/2018	7	210	30
PLANNED	4/12/2018	7	462	66
PLANNED	4/12/2018	13	351	27
PLANNED	4/12/2018	2	142	71
PLANNED	4/12/2018	6	468	78
PLANNED	4/12/2018	2	80	40
PLANNED	4/12/2018	3	69	23
PLANNED	4/12/2018	1	126	126
PLANNED	4/12/2018	4	580	145
PLANNED	4/12/2018	1	208	208
PLANNED	4/12/2018	1	91	91
PLANNED	4/12/2018	7	2,177	311
PLANNED	4/13/2018	1	96	96
PLANNED	4/13/2018	1	92	92
PLANNED	4/13/2018	1	100	100
PLANNED	4/13/2018	1	20	20
PLANNED	4/13/2018	5	235	47
PLANNED	4/13/2018	1	594	594
PLANNED	4/13/2018	1	593	593
PLANNED	4/13/2018	6	258	43
PLANNED	4/13/2018	4	232	58
PLANNED	4/13/2018	5	655	131

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/13/2018	8	1,056	132
CUSTOMER REQUEST	4/13/2018	19	1,406	74
PLANNED	4/13/2018	1	38	38
PLANNED	4/13/2018	3	153	51
CUSTOMER REQUEST	4/13/2018	8	96	12
PLANNED	4/13/2018	3	195	65
PLANNED	4/13/2018	15	4,335	289
PLANNED	4/13/2018	2	94	47
PLANNED	4/13/2018	8	400	50
PLANNED	4/13/2018	9	702	78
CUSTOMER REQUEST	4/13/2018	2	330	165
PLANNED	4/13/2018	14	420	30
PLANNED	4/13/2018	2	232	116
CUSTOMER REQUEST	4/13/2018	1	51	51
CUSTOMER REQUEST	4/13/2018	1	222	222
PLANNED	4/13/2018	6	552	92
PLANNED	4/13/2018	4	112	28
PLANNED	4/13/2018	10	2,710	271
PLANNED	4/13/2018	6	288	48
PLANNED	4/13/2018	4	144	36
PLANNED	4/13/2018	1	99	99
PLANNED	4/13/2018	6	540	90
PLANNED	4/13/2018	1	40	40
PLANNED	4/13/2018	8	296	37
PLANNED	4/13/2018	6	708	118
PLANNED	4/13/2018	2	352	176
PLANNED	4/13/2018	5	90	18
PLANNED	4/13/2018	1	164	164
PLANNED	4/13/2018	14	686	49
PLANNED	4/13/2018	159	2,226	14
PLANNED	4/13/2018	2	304	152
CUSTOMER REQUEST	4/13/2018	2	46	23
PLANNED	4/13/2018	7	42	6
PLANNED	4/13/2018	32	3,776	118
PLANNED	4/13/2018	5	1,270	254
PLANNED	4/13/2018	2	188	94
PLANNED	4/13/2018	8	120	15
CUSTOMER REQUEST	4/13/2018	4	336	84
CUSTOMER REQUEST	4/13/2018	2	14	7
CUSTOMER REQUEST	4/13/2018	12	1,308	109
PLANNED	4/13/2018	3	228	76
PLANNED	4/13/2018	2	64	32
PLANNED	4/13/2018	19	2,888	152
PLANNED	4/13/2018	17	2,839	167
PLANNED	4/13/2018	3	342	114
PLANNED	4/13/2018	6	144	24
PLANNED	4/13/2018	2	298	149
CUSTOMER REQUEST	4/13/2018	1	46	46
PLANNED	4/13/2018	1	76	76
PLANNED	4/13/2018	1	75	75
PLANNED	4/13/2018	8	88	11

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	4/13/2018	3	537	179
PLANNED	4/13/2018	6	156	26
PLANNED	4/13/2018	1	228	228
CUSTOMER REQUEST	4/13/2018	1	215	215
CUSTOMER REQUEST	4/13/2018	5	110	22
PLANNED	4/13/2018	2	161	110
CUSTOMER REQUEST	4/13/2018	2	578	289
PLANNED	4/13/2018	2	78	39
PLANNED	4/13/2018	3	339	113
PLANNED	4/13/2018	4	380	95
PLANNED	4/14/2018	6	1,860	310
PLANNED	4/14/2018	1	578	578
PLANNED	4/14/2018	1	576	576
PLANNED	4/14/2018	2	224	112
PLANNED	4/14/2018	2	450	225
PLANNED	4/14/2018	10	960	96
PLANNED	4/14/2018	13	1,131	87
PLANNED	4/14/2018	1	52	52
PLANNED	4/14/2018	1	95	95
PLANNED	4/14/2018	1	137	137
PLANNED	4/14/2018	3	1,026	342
PLANNED	4/14/2018	34	6,188	182
PLANNED	4/14/2018	47	16,027	341
PLANNED	4/14/2018	7	21	3
CUSTOMER REQUEST	4/14/2018	45	360	8
PLANNED	4/15/2018	1	616	616
PLANNED	4/15/2018	1	611	611
PLANNED	4/15/2018	1	132	132
PLANNED	4/15/2018	2	210	105
PLANNED	4/15/2018	2	84	42
PLANNED	4/15/2018	1	252	252
PLANNED	4/15/2018	1	131	131
PLANNED	4/15/2018	1	249	249
PLANNED	4/15/2018	1	248	248
PLANNED	4/15/2018	1	260	260
PLANNED	4/15/2018	2	174	87
PLANNED	4/15/2018	2	114	57
PLANNED	4/15/2018	11	1,771	161
PLANNED	4/15/2018	36	6,336	176
PLANNED	4/15/2018	2	188	94
PLANNED	4/15/2018	1	90	90
PLANNED	4/15/2018	1	81	81
PLANNED	4/16/2018	1	48	48
PLANNED	4/16/2018	1	313	313
PLANNED	4/16/2018	9	630	70
PLANNED	4/16/2018	1	39	39
PLANNED	4/16/2018	8	360	45
PLANNED	4/16/2018	34	3,740	110
PLANNED	4/16/2018	4	256	64
CUSTOMER REQUEST	4/16/2018	13	39	3
PLANNED	4/16/2018	8	584	73

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/16/2018	1	145	145
PLANNED	4/16/2018	11	66	6
PLANNED	4/16/2018	2	198	99
CUSTOMER REQUEST	4/16/2018	21	1,554	74
PLANNED	4/16/2018	8	808	101
PLANNED	4/16/2018	1	75	75
PLANNED	4/16/2018	1	74	74
PLANNED	4/16/2018	86	6,708	78
PLANNED	4/16/2018	6	552	92
PLANNED	4/16/2018	11	836	76
PLANNED	4/16/2018	10	810	81
PLANNED	4/16/2018	1	134	134
CUSTOMER REQUEST	4/16/2018	4	120	30
PLANNED	4/16/2018	31	5,239	169
PLANNED	4/16/2018	1	33	33
PLANNED	4/16/2018	8	1,176	147
PLANNED	4/16/2018	1	77	77
PLANNED	4/16/2018	4	324	81
PLANNED	4/16/2018	5	825	165
PLANNED	4/16/2018	1	95	95
PLANNED	4/16/2018	5	235	47
PLANNED	4/16/2018	1	56	56
PLANNED	4/16/2018	13	637	49
PLANNED	4/16/2018	7	3,283	469
PLANNED	4/16/2018	1	169	169
PLANNED	4/16/2018	10	1,150	115
PLANNED	4/16/2018	8	256	32
PLANNED	4/16/2018	8	104	13
PLANNED	4/16/2018	6	378	63
PLANNED	4/16/2018	3	492	164
PLANNED	4/16/2018	25	850	34
PLANNED	4/16/2018	1	9	9
PLANNED	4/16/2018	1	31	31
PLANNED	4/16/2018	4	384	96
PLANNED	4/16/2018	6	192	32
PLANNED	4/16/2018	3	258	86
PLANNED	4/16/2018	1	266	266
PLANNED	4/16/2018	5	625	125
PLANNED	4/16/2018	10	400	40
PLANNED	4/16/2018	5	210	42
PLANNED	4/16/2018	2	92	46
PLANNED	4/16/2018	11	1,155	105
PLANNED	4/16/2018	6	342	57
PLANNED	4/16/2018	6	792	132
PLANNED	4/16/2018	10	580	58
PLANNED	4/16/2018	1	148	148
PLANNED	4/16/2018	10	1,400	140
PLANNED	4/16/2018	10	1,400	140
PLANNED	4/16/2018	1	23	23
PLANNED	4/16/2018	1	55	55
PLANNED	4/16/2018	8	248	31

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/16/2018	4	1,004	251
PLANNED	4/16/2018	2	414	207
PLANNED	4/16/2018	6	366	61
PLANNED	4/16/2018	11	517	47
PLANNED	4/16/2018	2	108	54
PLANNED	4/16/2018	11	1,034	94
PLANNED	4/16/2018	6	936	156
PLANNED	4/16/2018	1	17	17
PLANNED	4/16/2018	2	148	74
PLANNED	4/16/2018	12	1,248	104
PLANNED	4/16/2018	15	1,005	67
PLANNED	4/16/2018	1	76	76
PLANNED	4/16/2018	2	162	81
PLANNED	4/16/2018	2	132	66
CUSTOMER REQUEST	4/16/2018	286	175,604	614
PLANNED	4/16/2018	10	540	54
CUSTOMER REQUEST	4/16/2018	456	253,992	557
PLANNED	4/16/2018	5	190	38
PLANNED	4/16/2018	16	4,912	307
CUSTOMER REQUEST	4/16/2018	1	23	23
PLANNED	4/16/2018	1	144	144
PLANNED	4/16/2018	2	170	85
PLANNED	4/16/2018	1	123	123
PLANNED	4/17/2018	1	128	128
PLANNED	4/17/2018	1	652	652
PLANNED	4/17/2018	1	89	89
PLANNED	4/17/2018	1	223	223
PLANNED	4/17/2018	2	444	222
PLANNED	4/17/2018	4	356	89
PLANNED	4/17/2018	8	328	41
CUSTOMER REQUEST	4/17/2018	98	42,728	436
PLANNED	4/17/2018	8	608	76
PLANNED	4/17/2018	27	1,809	67
PLANNED	4/17/2018	6	666	111
PLANNED	4/17/2018	1	154	154
PLANNED	4/17/2018	34	3,910	115
PLANNED	4/17/2018	1	63	63
PLANNED	4/17/2018	6	942	157
CUSTOMER REQUEST	4/17/2018	9	1,359	151
PLANNED	4/17/2018	1	56	56
PLANNED	4/17/2018	2	132	66
PLANNED	4/17/2018	24	6,024	251
PLANNED	4/17/2018	7	1,974	282
PLANNED	4/17/2018	24	5,016	209
PLANNED	4/17/2018	8	680	85
PLANNED	4/17/2018	3	213	71
PLANNED	4/17/2018	2	250	125
PLANNED	4/17/2018	3	552	184
PLANNED	4/17/2018	1	65	65
PLANNED	4/17/2018	8	944	118
PLANNED	4/17/2018	1	161	161

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/17/2018	8	536	67
PLANNED	4/17/2018	8	608	76
PLANNED	4/17/2018	1	86	86
CUSTOMER REQUEST	4/17/2018	1	83	83
PLANNED	4/17/2018	1	139	139
PLANNED	4/17/2018	6	486	81
PLANNED	4/17/2018	10	810	81
CUSTOMER REQUEST	4/17/2018	1	257	257
PLANNED	4/17/2018	5	720	144
PLANNED	4/17/2018	7	833	119
PLANNED	4/17/2018	10	1,350	135
PLANNED	4/17/2018	21	6,636	316
PLANNED	4/17/2018	1	241	241
PLANNED	4/17/2018	27	8,532	316
PLANNED	4/17/2018	2	110	55
PLANNED	4/17/2018	2	288	144
PLANNED	4/17/2018	2	476	238
CUSTOMER REQUEST	4/17/2018	1	238	238
PLANNED	4/17/2018	16	1,056	66
PLANNED	4/17/2018	19	1,710	90
PLANNED	4/17/2018	3	87	29
PLANNED	4/17/2018	3	168	56
PLANNED	4/17/2018	1	44	44
PLANNED	4/17/2018	1	119	119
PLANNED	4/17/2018	2	62	31
PLANNED	4/17/2018	5	300	60
CUSTOMER REQUEST	4/17/2018	5	70	14
PLANNED	4/17/2018	10	1,010	101
PLANNED	4/17/2018	2	24	12
PLANNED	4/17/2018	19	2,014	106
PLANNED	4/17/2018	13	650	50
PLANNED	4/17/2018	10	380	38
PLANNED	4/17/2018	6	450	75
PLANNED	4/17/2018	11	1,023	93
PLANNED	4/17/2018	33	3,135	95
PLANNED	4/17/2018	4	956	239
PLANNED	4/17/2018	8	1,912	239
PLANNED	4/17/2018	2	122	61
PLANNED	4/17/2018	15	795	53
PLANNED	4/17/2018	7	784	112
PLANNED	4/17/2018	5	205	41
PLANNED	4/17/2018	3	579	193
PLANNED	4/17/2018	18	594	33
PLANNED	4/17/2018	1	80	80
PLANNED	4/17/2018	8	1,592	199
PLANNED	4/17/2018	2	44	22
CUSTOMER REQUEST	4/17/2018	3	276	92
PLANNED	4/17/2018	18	2,916	162
PLANNED	4/17/2018	2	112	56
PLANNED	4/17/2018	10	620	62
PLANNED	4/17/2018	2	438	219

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/17/2018	10	70	7
PLANNED	4/17/2018	9	459	51
PLANNED	4/17/2018	1	62	62
PLANNED	4/17/2018	1	70	70
PLANNED	4/17/2018	10	330	33
PLANNED	4/17/2018	7	1,519	217
CUSTOMER REQUEST	4/17/2018	1	74	74
PLANNED	4/17/2018	1	38	38
CUSTOMER REQUEST	4/17/2018	3	531	177
PLANNED	4/17/2018	6	336	56
PLANNED	4/17/2018	1	105	105
PLANNED	4/17/2018	6	660	110
PLANNED	4/17/2018	14	266	19
PLANNED	4/17/2018	3	900	300
PLANNED	4/17/2018	2	184	92
PLANNED	4/17/2018	4	132	33
PLANNED	4/18/2018	1	118	118
PLANNED	4/18/2018	2	302	151
PLANNED	4/18/2018	1	119	119
CUSTOMER REQUEST	4/18/2018	1	99	99
PLANNED	4/18/2018	5	1,975	395
PLANNED	4/18/2018	2	376	188
PLANNED	4/18/2018	3	270	90
PLANNED	4/18/2018	1	13	13
PLANNED	4/18/2018	5	450	90
PLANNED	4/18/2018	2	102	51
PLANNED	4/18/2018	1	84	84
PLANNED	4/18/2018	25	1,100	44
PLANNED	4/18/2018	27	1,890	70
PLANNED	4/18/2018	31	8,277	267
PLANNED	4/18/2018	8	80	10
PLANNED	4/18/2018	1	88	88
PLANNED	4/18/2018	3	255	85
PLANNED	4/18/2018	1	11	11
PLANNED	4/18/2018	10	1,970	197
PLANNED	4/18/2018	4	776	194
PLANNED	4/18/2018	1	537	537
PLANNED	4/18/2018	1	73	73
PLANNED	4/18/2018	3	51	17
CUSTOMER REQUEST	4/18/2018	1	131	131
PLANNED	4/18/2018	8	1,248	156
PLANNED	4/18/2018	4	320	80
CUSTOMER REQUEST	4/18/2018	1	86	86
PLANNED	4/18/2018	1	45	45
PLANNED	4/18/2018	12	840	70
PLANNED	4/18/2018	1	108	108
PLANNED	4/18/2018	11	1,595	145
PLANNED	4/18/2018	2	256	128
PLANNED	4/18/2018	2	254	127
PLANNED	4/18/2018	1	289	289
PLANNED	4/18/2018	8	384	48

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/18/2018	17	1,955	115
CUSTOMER REQUEST	4/18/2018	12	1,164	97
PLANNED	4/18/2018	3	84	28
PLANNED	4/18/2018	8	112	14
PLANNED	4/18/2018	5	1,635	327
PLANNED	4/18/2018	1	117	117
PLANNED	4/18/2018	4	132	33
PLANNED	4/18/2018	8	1,976	247
CUSTOMER REQUEST	4/18/2018	12	348	29
PLANNED	4/18/2018	8	216	27
PLANNED	4/18/2018	2	166	83
PLANNED	4/18/2018	1	109	109
PLANNED	4/18/2018	1	124	124
PLANNED	4/18/2018	4	472	118
PLANNED	4/18/2018	2	396	198
PLANNED	4/18/2018	7	343	49
CUSTOMER REQUEST	4/18/2018	9	9	1
PLANNED	4/18/2018	1	191	191
PLANNED	4/18/2018	5	170	34
PLANNED	4/18/2018	188	30,858	177
CUSTOMER REQUEST	4/18/2018	2,815	33,780	12
PLANNED	4/18/2018	15	345	23
PLANNED	4/18/2018	5	150	30
PLANNED	4/18/2018	11	671	61
PLANNED	4/18/2018	12	1,452	121
PLANNED	4/18/2018	3	69	23
PLANNED	4/18/2018	5	130	26
PLANNED	4/18/2018	3	927	309
PLANNED	4/18/2018	10	320	32
CUSTOMER REQUEST	4/18/2018	1	331	331
CUSTOMER REQUEST	4/18/2018	6	270	45
PLANNED	4/18/2018	5	155	31
PLANNED	4/18/2018	7	42	6
PLANNED	4/18/2018	13	52	4
PLANNED	4/18/2018	1	46	46
PLANNED	4/18/2018	2	16	8
PLANNED	4/18/2018	6	822	137
PLANNED	4/18/2018	1	6	6
PLANNED	4/18/2018	2	148	74
PLANNED	4/18/2018	1	26	26
PLANNED	4/18/2018	29	2,871	99
PLANNED	4/18/2018	13	936	72
PLANNED	4/18/2018	7	938	134
PLANNED	4/18/2018	4	660	165
PLANNED	4/18/2018	8	320	40
PLANNED	4/18/2018	9	612	68
PLANNED	4/18/2018	1	64	64
PLANNED	4/18/2018	1	38	38
PLANNED	4/18/2018	8	520	65
CUSTOMER REQUEST	4/18/2018	6	204	34
PLANNED	4/18/2018	4	800	200

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/18/2018	15	1,380	92
CUSTOMER REQUEST	4/18/2018	14	252	18
PLANNED	4/18/2018	11	1,903	173
PLANNED	4/18/2018	1	20	20
PLANNED	4/18/2018	5	955	191
PLANNED	4/18/2018	12	48	4
PLANNED	4/18/2018	2	226	113
PLANNED	4/18/2018	2	198	99
PLANNED	4/18/2018	3	189	63
PLANNED	4/18/2018	17	663	39
PLANNED	4/18/2018	2	368	184
PLANNED	4/18/2018	5	20	4
PLANNED	4/18/2018	3	332	132
PLANNED	4/18/2018	50	100	2
PLANNED	4/18/2018	24	48	2
PLANNED	4/18/2018	5	385	77
PLANNED	4/18/2018	7	882	126
PLANNED	4/18/2018	9	972	108
PLANNED	4/18/2018	2	160	80
PLANNED	4/18/2018	14	756	54
PLANNED	4/18/2018	2	70	35
PLANNED	4/18/2018	1	157	157
PLANNED	4/18/2018	26	2,782	107
PLANNED	4/18/2018	1	31	31
PLANNED	4/18/2018	4	616	154
CUSTOMER REQUEST	4/18/2018	26	936	36
PLANNED	4/18/2018	4	1,056	264
PLANNED	4/18/2018	1	37	37
PLANNED	4/19/2018	2	444	222
CUSTOMER REQUEST	4/19/2018	1	49	49
PLANNED	4/19/2018	2	6	3
PLANNED	4/19/2018	1	490	490
PLANNED	4/19/2018	4	300	75
PLANNED	4/19/2018	9	864	96
PLANNED	4/19/2018	5	900	180
PLANNED	4/19/2018	4	524	131
PLANNED	4/19/2018	3	246	82
PLANNED	4/19/2018	9	216	24
PLANNED	4/19/2018	5	160	32
PLANNED	4/19/2018	10	2,120	212
PLANNED	4/19/2018	25	650	26
PLANNED	4/19/2018	6	180	30
PLANNED	4/19/2018	9	27	3
PLANNED	4/19/2018	1	189	189
CUSTOMER REQUEST	4/19/2018	3	960	320
PLANNED	4/19/2018	4	124	31
PLANNED	4/19/2018	7	175	25
PLANNED	4/19/2018	3	579	193
PLANNED	4/19/2018	7	1,904	272
PLANNED	4/19/2018	6	276	46
PLANNED	4/19/2018	10	2,440	244

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/19/2018	7	756	108
PLANNED	4/19/2018	2	338	169
PLANNED	4/19/2018	15	240	16
PLANNED	4/19/2018	45	9,630	214
CUSTOMER REQUEST	4/19/2018	1	154	154
PLANNED	4/19/2018	38	12,920	340
PLANNED	4/19/2018	10	350	35
PLANNED	4/19/2018	6	258	43
PLANNED	4/19/2018	8	248	31
PLANNED	4/19/2018	8	496	62
PLANNED	4/19/2018	8	200	25
PLANNED	4/19/2018	1	22	22
PLANNED	4/19/2018	49	5,733	117
PLANNED	4/19/2018	1	82	82
PLANNED	4/19/2018	8	584	73
PLANNED	4/19/2018	1	78	78
PLANNED	4/19/2018	7	833	119
PLANNED	4/19/2018	7	91	13
PLANNED	4/19/2018	2	90	45
PLANNED	4/19/2018	12	420	35
PLANNED	4/19/2018	2	178	89
PLANNED	4/19/2018	7	581	83
PLANNED	4/19/2018	5	425	85
PLANNED	4/19/2018	5	375	75
PLANNED	4/19/2018	5	490	98
PLANNED	4/19/2018	17	2,669	157
PLANNED	4/19/2018	4	1,152	288
PLANNED	4/19/2018	12	2,220	185
PLANNED	4/19/2018	6	168	28
CUSTOMER REQUEST	4/19/2018	1	228	228
PLANNED	4/19/2018	14	3,388	242
PLANNED	4/19/2018	106	8,586	81
PLANNED	4/19/2018	3	114	38
CUSTOMER REQUEST	4/19/2018	3	258	86
PLANNED	4/19/2018	11	1,870	170
PLANNED	4/19/2018	1	171	171
PLANNED	4/19/2018	11	1,122	102
PLANNED	4/19/2018	7	742	106
PLANNED	4/19/2018	3	339	113
PLANNED	4/19/2018	14	1,834	131
PLANNED	4/19/2018	1	108	108
PLANNED	4/19/2018	7	266	38
PLANNED	4/19/2018	9	495	55
PLANNED	4/19/2018	7	1,645	235
PLANNED	4/19/2018	5	390	78
PLANNED	4/19/2018	6	1,140	190
PLANNED	4/19/2018	5	595	119
PLANNED	4/19/2018	19	589	31
PLANNED	4/19/2018	4	348	87
PLANNED	4/19/2018	5	170	34
PLANNED	4/19/2018	1	18	18

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/19/2018	1	67	67
PLANNED	4/19/2018	3	111	37
PLANNED	4/19/2018	2	234	117
PLANNED	4/19/2018	1	150	150
PLANNED	4/19/2018	1	30	30
PLANNED	4/19/2018	2	2	1
PLANNED	4/19/2018	1	36	36
PLANNED	4/19/2018	3	84	28
PLANNED	4/19/2018	2	22	11
PLANNED	4/19/2018	11	803	73
PLANNED	4/19/2018	16	1,872	117
PLANNED	4/19/2018	1	23	23
PLANNED	4/19/2018	8	8	1
PLANNED	4/19/2018	5	240	48
PLANNED	4/19/2018	1	106	106
PLANNED	4/19/2018	16	592	37
PLANNED	4/19/2018	10	740	74
PLANNED	4/19/2018	1	40	40
PLANNED	4/19/2018	2	238	119
PLANNED	4/19/2018	16	1,328	83
PLANNED	4/19/2018	7	49	7
CUSTOMER REQUEST	4/19/2018	2	16	8
PLANNED	4/19/2018	4	480	120
PLANNED	4/19/2018	2	74	37
PLANNED	4/19/2018	3	72	24
PLANNED	4/19/2018	3	249	83
PLANNED	4/19/2018	3	297	99
PLANNED	4/19/2018	2	188	94
PLANNED	4/19/2018	5	730	146
PLANNED	4/19/2018	2	224	112
PLANNED	4/19/2018	1	42	42
PLANNED	4/19/2018	2	66	33
PLANNED	4/19/2018	2	466	233
PLANNED	4/19/2018	1	232	232
PLANNED	4/19/2018	7	385	55
CUSTOMER REQUEST	4/19/2018	72	216	3
PLANNED	4/19/2018	8	728	91
PLANNED	4/19/2018	5	750	150
PLANNED	4/19/2018	2	40	20
PLANNED	4/19/2018	1	18	18
PLANNED	4/19/2018	1	39	39
PLANNED	4/19/2018	12	600	50
PLANNED	4/19/2018	24	3,192	133
PLANNED	4/19/2018	5	750	150
PLANNED	4/19/2018	3	471	157
PLANNED	4/19/2018	6	18	3
PLANNED	4/19/2018	1	149	149
PLANNED	4/19/2018	18	1,440	80
CUSTOMER REQUEST	4/19/2018	1	127	127
PLANNED	4/19/2018	1	35	35
CUSTOMER REQUEST	4/19/2018	1	187	187

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/19/2018	2	346	173
PLANNED	4/19/2018	1	570	570
CUSTOMER REQUEST	4/20/2018	1	42	42
PLANNED	4/20/2018	1	211	211
PLANNED	4/20/2018	2	134	67
PLANNED	4/20/2018	1	35	35
PLANNED	4/20/2018	4	276	69
PLANNED	4/20/2018	3	414	138
PLANNED	4/20/2018	2	162	81
PLANNED	4/20/2018	2	184	92
PLANNED	4/20/2018	8	552	69
PLANNED	4/20/2018	8	512	64
PLANNED	4/20/2018	18	1,440	80
PLANNED	4/20/2018	2	366	183
PLANNED	4/20/2018	8	744	93
PLANNED	4/20/2018	2	108	54
PLANNED	4/20/2018	1	44	44
CUSTOMER REQUEST	4/20/2018	1	132	132
PLANNED	4/20/2018	9	450	50
PLANNED	4/20/2018	7	70	10
CUSTOMER REQUEST	4/20/2018	9	3,240	360
PLANNED	4/20/2018	8	280	35
PLANNED	4/20/2018	2	122	61
PLANNED	4/20/2018	20	1,820	91
PLANNED	4/20/2018	28	5,124	183
PLANNED	4/20/2018	15	255	17
PLANNED	4/20/2018	1	96	96
PLANNED	4/20/2018	4	188	47
PLANNED	4/20/2018	9	2,250	250
PLANNED	4/20/2018	19	988	52
PLANNED	4/20/2018	9	531	59
PLANNED	4/20/2018	8	368	46
CUSTOMER REQUEST	4/20/2018	5	35	7
PLANNED	4/20/2018	9	603	67
PLANNED	4/20/2018	1	157	157
PLANNED	4/20/2018	1	190	190
PLANNED	4/20/2018	3	138	46
PLANNED	4/20/2018	17	34	2
PLANNED	4/20/2018	6	426	71
PLANNED	4/20/2018	13	65	5
PLANNED	4/20/2018	1	15	15
PLANNED	4/20/2018	9	162	18
CUSTOMER REQUEST	4/20/2018	1	202	202
PLANNED	4/20/2018	2	60	30
PLANNED	4/20/2018	8	24	3
PLANNED	4/20/2018	1	114	114
PLANNED	4/20/2018	2	402	201
PLANNED	4/20/2018	2	228	114
PLANNED	4/20/2018	3	30	10
PLANNED	4/20/2018	9	72	8
PLANNED	4/20/2018	1	89	89

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/20/2018	2	2,860	1,430
CUSTOMER REQUEST	4/20/2018	1	149	149
CUSTOMER REQUEST	4/20/2018	29	2,349	81
PLANNED	4/20/2018	1	195	195
PLANNED	4/21/2018	2	530	265
PLANNED	4/21/2018	20	6,380	319
CUSTOMER REQUEST	4/21/2018	1	168	168
PLANNED	4/21/2018	2	264	132
PLANNED	4/21/2018	21	1,995	95
PLANNED	4/21/2018	6	48	8
CUSTOMER REQUEST	4/21/2018	1	494	494
PLANNED	4/21/2018	1	554	554
PLANNED	4/21/2018	10	640	64
PLANNED	4/21/2018	8	2,120	265
PLANNED	4/21/2018	7	1,078	154
PLANNED	4/21/2018	10	1,800	180
PLANNED	4/21/2018	11	1,045	95
PLANNED	4/22/2018	3	717	239
PLANNED	4/22/2018	4	920	230
PLANNED	4/22/2018	2	198	99
PLANNED	4/22/2018	1	207	207
PLANNED	4/22/2018	2	94	47
PLANNED	4/22/2018	20	1,060	53
PLANNED	4/22/2018	1	87	87
PLANNED	4/22/2018	14	1,232	88
PLANNED	4/22/2018	11	957	87
PLANNED	4/22/2018	6	1,194	199
PLANNED	4/22/2018	2	178	89
PLANNED	4/22/2018	3	585	195
PLANNED	4/22/2018	1	26	26
PLANNED	4/23/2018	2	128	64
CUSTOMER REQUEST	4/23/2018	10	1,810	181
CUSTOMER REQUEST	4/23/2018	8	2,024	253
PLANNED	4/23/2018	2	584	292
PLANNED	4/23/2018	1	96	96
CUSTOMER REQUEST	4/23/2018	16	176	11
PLANNED	4/23/2018	23	5,244	228
CUSTOMER REQUEST	4/23/2018	1	88	88
PLANNED	4/23/2018	11	3,509	319
PLANNED	4/23/2018	27	2,565	95
PLANNED	4/23/2018	2	254	127
CUSTOMER REQUEST	4/23/2018	5	145	29
PLANNED	4/23/2018	7	448	64
PLANNED	4/23/2018	1	45	45
PLANNED	4/23/2018	1	313	313
PLANNED	4/23/2018	6	414	69
CUSTOMER REQUEST	4/23/2018	3,369	16,845	5
PLANNED	4/23/2018	3	237	79
PLANNED	4/23/2018	1	104	104
CUSTOMER REQUEST	4/23/2018	14	1,764	126
PLANNED	4/23/2018	30	8,520	284

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	4/23/2018	24	8,496	354
CUSTOMER REQUEST	4/23/2018	6	24	4
PLANNED	4/23/2018	18	414	23
PLANNED	4/23/2018	1	123	123
PLANNED	4/23/2018	5	365	73
PLANNED	4/23/2018	18	1,872	104
CUSTOMER REQUEST	4/23/2018	21	5,061	241
PLANNED	4/23/2018	16	4,240	265
PLANNED	4/23/2018	2	92	46
PLANNED	4/23/2018	6	768	128
PLANNED	4/23/2018	1	78	78
CUSTOMER REQUEST	4/23/2018	8	1,712	214
PLANNED	4/23/2018	1	76	76
PLANNED	4/23/2018	27	4,671	173
PLANNED	4/23/2018	5	390	78
PLANNED	4/23/2018	7	280	40
PLANNED	4/23/2018	9	648	72
PLANNED	4/23/2018	14	2,408	172
PLANNED	4/23/2018	19	3,553	187
PLANNED	4/23/2018	9	1,881	209
PLANNED	4/23/2018	3	309	103
PLANNED	4/23/2018	1	20	20
PLANNED	4/23/2018	9	1,167	151
PLANNED	4/23/2018	4	452	113
PLANNED	4/23/2018	7	1,169	167
PLANNED	4/23/2018	8	200	25
PLANNED	4/23/2018	2	128	64
CUSTOMER REQUEST	4/23/2018	9	198	22
PLANNED	4/23/2018	6	276	46
PLANNED	4/23/2018	9	1,431	159
CUSTOMER REQUEST	4/23/2018	6	162	27
CUSTOMER REQUEST	4/23/2018	12	852	71
PLANNED	4/23/2018	1	85	85
PLANNED	4/23/2018	8	800	100
PLANNED	4/23/2018	2	158	79
PLANNED	4/23/2018	7	308	44
PLANNED	4/23/2018	2	58	29
PLANNED	4/23/2018	4	164	41
PLANNED	4/23/2018	2	82	41
PLANNED	4/23/2018	1	72	72
PLANNED	4/23/2018	18	2,052	114
PLANNED	4/23/2018	4	580	145
PLANNED	4/23/2018	1	70	70
PLANNED	4/23/2018	1	44	44
PLANNED	4/23/2018	9	954	106
PLANNED	4/23/2018	7	224	32
PLANNED	4/23/2018	12	1,920	160
PLANNED	4/23/2018	3	252	84
PLANNED	4/23/2018	19	1,349	71
PLANNED	4/23/2018	4	268	67
PLANNED	4/23/2018	1	111	111

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/23/2018	1	227	227
PLANNED	4/23/2018	8	280	35
PLANNED	4/23/2018	14	168	12
PLANNED	4/23/2018	2	132	66
PLANNED	4/23/2018	2	34	17
PLANNED	4/23/2018	3	102	34
CUSTOMER REQUEST	4/23/2018	6	726	121
CUSTOMER REQUEST	4/23/2018	903	7,224	8
PLANNED	4/23/2018	1	253	253
CUSTOMER REQUEST	4/23/2018	5	160	32
PLANNED	4/23/2018	1	81	81
PLANNED	4/24/2018	1	59	59
PLANNED	4/24/2018	1	35	35
PLANNED	4/24/2018	1	61	61
PLANNED	4/24/2018	5	735	147
PLANNED	4/24/2018	2	74	37
PLANNED	4/24/2018	8	656	82
PLANNED	4/24/2018	4	180	45
CUSTOMER REQUEST	4/24/2018	8	1,016	127
PLANNED	4/24/2018	1	470	470
PLANNED	4/24/2018	2	240	120
PLANNED	4/24/2018	5	605	121
PLANNED	4/24/2018	1	221	221
PLANNED	4/24/2018	1	55	55
PLANNED	4/24/2018	39	3,276	84
PLANNED	4/24/2018	7	294	42
PLANNED	4/24/2018	6	36	6
PLANNED	4/24/2018	23	4,393	191
PLANNED	4/24/2018	6	180	30
CUSTOMER REQUEST	4/24/2018	23	276	12
PLANNED	4/24/2018	1	89	89
PLANNED	4/24/2018	9	513	57
PLANNED	4/24/2018	17	1,462	86
PLANNED	4/24/2018	18	1,638	91
PLANNED	4/24/2018	1	341	341
PLANNED	4/24/2018	5	990	198
PLANNED	4/24/2018	4	788	197
CUSTOMER REQUEST	4/24/2018	40	19,640	491
PLANNED	4/24/2018	1	251	251
PLANNED	4/24/2018	1	151	151
PLANNED	4/24/2018	12	1,548	129
CUSTOMER REQUEST	4/24/2018	10	2,450	245
CUSTOMER REQUEST	4/24/2018	9	2,187	243
PLANNED	4/24/2018	11	2,189	199
PLANNED	4/24/2018	2	270	135
CUSTOMER REQUEST	4/24/2018	7	1,694	242
CUSTOMER REQUEST	4/24/2018	18	5,418	301
PLANNED	4/24/2018	5	380	76
PLANNED	4/24/2018	2	184	92
PLANNED	4/24/2018	1	9	9
PLANNED	4/24/2018	1	50	50

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/24/2018	1	77	77
CUSTOMER REQUEST	4/24/2018	18	972	54
PLANNED	4/24/2018	4	76	19
PLANNED	4/24/2018	4	296	74
PLANNED	4/24/2018	4	208	52
PLANNED	4/24/2018	7	1,477	211
PLANNED	4/24/2018	5	225	45
PLANNED	4/24/2018	14	1,750	125
PLANNED	4/24/2018	10	1,720	172
PLANNED	4/24/2018	12	1,500	125
PLANNED	4/24/2018	1	241	241
PLANNED	4/24/2018	29	2,465	85
PLANNED	4/24/2018	3	333	111
PLANNED	4/24/2018	1	124	124
PLANNED	4/24/2018	1	32	32
PLANNED	4/24/2018	4	792	198
PLANNED	4/24/2018	7	574	82
PLANNED	4/24/2018	1	28	28
PLANNED	4/24/2018	76	7,980	105
PLANNED	4/24/2018	6	420	70
PLANNED	4/24/2018	5	1,205	241
PLANNED	4/24/2018	1	17	17
PLANNED	4/24/2018	2	2	1
PLANNED	4/24/2018	2	274	137
PLANNED	4/24/2018	6	1,230	205
PLANNED	4/24/2018	4	252	63
PLANNED	4/24/2018	3	129	43
PLANNED	4/24/2018	4	348	87
PLANNED	4/24/2018	4	1,136	284
PLANNED	4/24/2018	2	410	205
PLANNED	4/24/2018	8	1,096	137
PLANNED	4/24/2018	1	56	56
PLANNED	4/24/2018	3	198	66
CUSTOMER REQUEST	4/24/2018	16	48	3
PLANNED	4/24/2018	1	85	85
PLANNED	4/24/2018	66	4,736	189
PLANNED	4/24/2018	4	336	84
CUSTOMER REQUEST	4/24/2018	26	962	37
PLANNED	4/24/2018	1	154	154
PLANNED	4/24/2018	11	209	19
PLANNED	4/24/2018	7	224	32
PLANNED	4/24/2018	13	1,807	139
PLANNED	4/24/2018	2	44	22
PLANNED	4/24/2018	8	1,424	178
CUSTOMER REQUEST	4/24/2018	1	108	108
PLANNED	4/24/2018	14	1,232	88
PLANNED	4/24/2018	27	3,591	133
PLANNED	4/24/2018	3	681	227
PLANNED	4/24/2018	11	1,122	102
PLANNED	4/24/2018	1	108	108
PLANNED	4/24/2018	5	460	92

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/24/2018	3	33	11
PLANNED	4/24/2018	3	279	93
PLANNED	4/24/2018	1	42	42
PLANNED	4/24/2018	6	186	31
PLANNED	4/24/2018	28	952	34
PLANNED	4/24/2018	1	71	71
PLANNED	4/24/2018	6	456	76
PLANNED	4/24/2018	1	53	53
CUSTOMER REQUEST	4/24/2018	23	161	7
PLANNED	4/24/2018	5	70	14
PLANNED	4/24/2018	2	124	62
PLANNED	4/24/2018	11	2,486	226
PLANNED	4/24/2018	3	516	172
PLANNED	4/24/2018	5	110	22
PLANNED	4/24/2018	3	99	33
PLANNED	4/24/2018	3	123	41
PLANNED	4/24/2018	2	398	199
PLANNED	4/24/2018	2	86	43
PLANNED	4/24/2018	4	436	109
PLANNED	4/24/2018	1	164	164
PLANNED	4/24/2018	6	2,214	369
PLANNED	4/24/2018	1	144	144
CUSTOMER REQUEST	4/24/2018	1	505	505
PLANNED	4/24/2018	1	9	9
CUSTOMER REQUEST	4/25/2018	1	104	104
PLANNED	4/25/2018	1	17	17
PLANNED	4/25/2018	1	52	52
PLANNED	4/25/2018	4	136	34
PLANNED	4/25/2018	6	540	90
PLANNED	4/25/2018	2	228	114
PLANNED	4/25/2018	10	300	30
PLANNED	4/25/2018	6	1,212	202
PLANNED	4/25/2018	9	1,728	192
PLANNED	4/25/2018	5	995	199
PLANNED	4/25/2018	9	441	49
PLANNED	4/25/2018	10	3,820	382
PLANNED	4/25/2018	25	475	19
PLANNED	4/25/2018	9	306	34
PLANNED	4/25/2018	1	129	129
PLANNED	4/25/2018	1	193	193
PLANNED	4/25/2018	9	360	40
PLANNED	4/25/2018	9	360	40
PLANNED	4/25/2018	2	138	69
PLANNED	4/25/2018	1	138	138
PLANNED	4/25/2018	5	920	184
CUSTOMER REQUEST	4/25/2018	21	2,268	108
PLANNED	4/25/2018	2	140	70
PLANNED	4/25/2018	3	180	60
PLANNED	4/25/2018	13	676	52
PLANNED	4/25/2018	1	108	108
PLANNED	4/25/2018	1	48	48

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/25/2018	54	7,236	134
PLANNED	4/25/2018	11	946	86
PLANNED	4/25/2018	2	546	273
PLANNED	4/25/2018	14	1,120	80
PLANNED	4/25/2018	65	18,720	288
CUSTOMER REQUEST	4/25/2018	6	24	4
PLANNED	4/25/2018	63	17,703	281
PLANNED	4/25/2018	8	808	101
PLANNED	4/25/2018	32	8,576	268
PLANNED	4/25/2018	11	605	55
PLANNED	4/25/2018	1	97	97
PLANNED	4/25/2018	1	73	73
PLANNED	4/25/2018	7	686	98
PLANNED	4/25/2018	5	390	78
PLANNED	4/25/2018	10	1,140	114
PLANNED	4/25/2018	3	294	98
PLANNED	4/25/2018	4	392	98
PLANNED	4/25/2018	28	2,803	226
CUSTOMER REQUEST	4/25/2018	6	108	18
PLANNED	4/25/2018	2	30	15
PLANNED	4/25/2018	6	36	6
PLANNED	4/25/2018	3	801	267
PLANNED	4/25/2018	9	1,350	150
PLANNED	4/25/2018	20	260	13
PLANNED	4/25/2018	5	215	43
PLANNED	4/25/2018	5	25	5
PLANNED	4/25/2018	2	114	57
PLANNED	4/25/2018	6	534	89
PLANNED	4/25/2018	5	140	28
PLANNED	4/25/2018	7	574	82
PLANNED	4/25/2018	2	110	55
PLANNED	4/25/2018	1	129	129
PLANNED	4/25/2018	164	22,140	135
PLANNED	4/25/2018	5	90	18
CUSTOMER REQUEST	4/25/2018	9	189	21
PLANNED	4/25/2018	1	179	179
PLANNED	4/25/2018	4	284	71
PLANNED	4/25/2018	11	748	68
PLANNED	4/25/2018	12	540	45
PLANNED	4/25/2018	4	2,172	543
PLANNED	4/25/2018	1	83	83
PLANNED	4/25/2018	8	568	71
PLANNED	4/25/2018	3	33	11
PLANNED	4/25/2018	6	252	42
PLANNED	4/25/2018	1	46	46
PLANNED	4/25/2018	7	532	76
PLANNED	4/25/2018	3	705	235
PLANNED	4/25/2018	1	392	392
PLANNED	4/25/2018	5	60	12
PLANNED	4/25/2018	3	129	43
PLANNED	4/25/2018	20	140	7

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/25/2018	6	312	52
PLANNED	4/25/2018	8	88	11
PLANNED	4/25/2018	11	583	53
PLANNED	4/25/2018	12	1,656	138
PLANNED	4/25/2018	2	172	86
PLANNED	4/25/2018	2	288	144
PLANNED	4/25/2018	9	621	69
CUSTOMER REQUEST	4/25/2018	6	30	5
PLANNED	4/25/2018	1	73	73
PLANNED	4/25/2018	7	455	65
PLANNED	4/25/2018	1	57	57
CUSTOMER REQUEST	4/25/2018	1	198	198
CUSTOMER REQUEST	4/25/2018	1	84	84
PLANNED	4/25/2018	7	602	86
PLANNED	4/25/2018	4	88	22
PLANNED	4/25/2018	3	279	93
CUSTOMER REQUEST	4/25/2018	1	249	249
PLANNED	4/25/2018	1	29	29
PLANNED	4/25/2018	4	560	140
PLANNED	4/25/2018	1	56	56
PLANNED	4/25/2018	14	2,044	146
PLANNED	4/25/2018	2	78	39
PLANNED	4/25/2018	1	52	52
PLANNED	4/25/2018	10	1,950	195
PLANNED	4/26/2018	18	1,710	95
PLANNED	4/26/2018	1	110	110
PLANNED	4/26/2018	1	104	104
PLANNED	4/26/2018	3	423	141
PLANNED	4/26/2018	24	1,056	44
PLANNED	4/26/2018	17	1,190	70
PLANNED	4/26/2018	1	29	29
PLANNED	4/26/2018	10	140	14
PLANNED	4/26/2018	2	408	204
CUSTOMER REQUEST	4/26/2018	1	52	52
PLANNED	4/26/2018	1	76	76
PLANNED	4/26/2018	2	230	115
PLANNED	4/26/2018	19	798	42
PLANNED	4/26/2018	1	46	46
CUSTOMER REQUEST	4/26/2018	10	70	7
PLANNED	4/26/2018	9	504	56
PLANNED	4/26/2018	4	468	117
PLANNED	4/26/2018	1	208	208
PLANNED	4/26/2018	2	42	21
PLANNED	4/26/2018	1	190	190
PLANNED	4/26/2018	22	1,034	47
CUSTOMER REQUEST	4/26/2018	7	21	3
CUSTOMER REQUEST	4/26/2018	12	4,224	352
CUSTOMER REQUEST	4/26/2018	1	88	88
CUSTOMER REQUEST	4/26/2018	2	38	19
PLANNED	4/26/2018	16	1,568	98
PLANNED	4/26/2018	22	7,942	361

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/26/2018	23	667	29
PLANNED	4/26/2018	7	434	62
PLANNED	4/26/2018	5	865	173
PLANNED	4/26/2018	2	228	114
PLANNED	4/26/2018	5	1,315	263
PLANNED	4/26/2018	1	277	277
PLANNED	4/26/2018	5	655	131
PLANNED	4/26/2018	9	594	66
PLANNED	4/26/2018	26	156	6
PLANNED	4/26/2018	2	126	63
PLANNED	4/26/2018	4	488	122
PLANNED	4/26/2018	6	24	4
PLANNED	4/26/2018	10	1,230	123
PLANNED	4/26/2018	9	36	4
PLANNED	4/26/2018	16	64	4
PLANNED	4/26/2018	9	1,359	151
PLANNED	4/26/2018	6	702	123
PLANNED	4/26/2018	4	370	125
PLANNED	4/26/2018	11	1,089	99
PLANNED	4/26/2018	3	132	44
PLANNED	4/26/2018	29	3,683	127
PLANNED	4/26/2018	4	240	60
PLANNED	4/26/2018	1	22	22
PLANNED	4/26/2018	2	348	174
PLANNED	4/26/2018	5	870	174
PLANNED	4/26/2018	4	672	168
PLANNED	4/26/2018	5	470	94
PLANNED	4/26/2018	6	1,014	169
PLANNED	4/26/2018	1	72	72
CUSTOMER REQUEST	4/26/2018	12	516	43
PLANNED	4/26/2018	3	513	171
PLANNED	4/26/2018	6	336	56
PLANNED	4/26/2018	7	119	17
PLANNED	4/26/2018	10	990	99
PLANNED	4/26/2018	35	1,260	36
PLANNED	4/26/2018	4	124	31
PLANNED	4/26/2018	2	128	64
PLANNED	4/26/2018	1	101	101
PLANNED	4/26/2018	1	386	386
PLANNED	4/26/2018	11	1,210	110
PLANNED	4/26/2018	1	384	384
PLANNED	4/26/2018	2	68	34
PLANNED	4/26/2018	2	42	21
PLANNED	4/26/2018	8	1,272	159
PLANNED	4/26/2018	8	488	61
PLANNED	4/26/2018	1	17	17
PLANNED	4/26/2018	1	90	90
PLANNED	4/26/2018	3	75	25
PLANNED	4/26/2018	1	23	23
PLANNED	4/26/2018	1	52	52
PLANNED	4/26/2018	16	1,712	107

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/26/2018	1	124	124
PLANNED	4/26/2018	7	161	23
PLANNED	4/26/2018	9	1,278	142
PLANNED	4/26/2018	4	84	21
PLANNED	4/26/2018	13	1,664	128
PLANNED	4/26/2018	7	896	128
PLANNED	4/26/2018	4	836	209
PLANNED	4/26/2018	1	31	31
PLANNED	4/26/2018	2	110	55
CUSTOMER REQUEST	4/26/2018	1	80	80
PLANNED	4/26/2018	4	68	17
PLANNED	4/26/2018	1	74	74
PLANNED	4/26/2018	7	903	129
PLANNED	4/26/2018	2	178	89
PLANNED	4/26/2018	1	41	41
PLANNED	4/26/2018	16	1,888	118
PLANNED	4/26/2018	1	53	53
PLANNED	4/26/2018	1	63	63
PLANNED	4/26/2018	6	624	104
PLANNED	4/26/2018	11	264	24
PLANNED	4/26/2018	2	154	77
PLANNED	4/26/2018	1	29	29
PLANNED	4/26/2018	2	32	16
PLANNED	4/26/2018	4	148	37
PLANNED	4/26/2018	4	212	53
PLANNED	4/26/2018	8	136	17
PLANNED	4/26/2018	7	3,668	524
CUSTOMER REQUEST	4/26/2018	1	152	152
PLANNED	4/26/2018	10	1,290	129
PLANNED	4/26/2018	4	84	21
PLANNED	4/26/2018	1	95	95
CUSTOMER REQUEST	4/26/2018	1	339	339
PLANNED	4/26/2018	2	42	21
PLANNED	4/26/2018	1	124	124
PLANNED	4/26/2018	1	85	85
PLANNED	4/26/2018	1	56	56
PLANNED	4/26/2018	4	464	116
PLANNED	4/26/2018	1	2	2
PLANNED	4/26/2018	2	328	164
PLANNED	4/26/2018	2	136	68
PLANNED	4/26/2018	1	189	189
PLANNED	4/26/2018	2	108	54
PLANNED	4/26/2018	3	189	63
PLANNED	4/26/2018	3	630	210
PLANNED	4/26/2018	7	672	96
PLANNED	4/26/2018	12	840	70
PLANNED	4/27/2018	10	1,490	149
PLANNED	4/27/2018	1	62	62
PLANNED	4/27/2018	1	133	133
Tornado	4/27/2018	1	692	692
Tornado	4/27/2018	1	691	691

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/27/2018	9	756	84
PLANNED	4/27/2018	5	700	140
Tornado	4/27/2018	15	720	48
CUSTOMER REQUEST	4/27/2018	1	183	183
Tornado	4/27/2018	10	1,450	145
PLANNED	4/27/2018	11	847	77
PLANNED	4/27/2018	30	8,070	269
Tornado	4/27/2018	2	284	142
Tornado	4/27/2018	9	216	24
PLANNED	4/27/2018	6	270	45
PLANNED	4/27/2018	4	568	142
PLANNED	4/27/2018	5	395	79
PLANNED	4/27/2018	6	588	98
Tornado	4/27/2018	17	2,363	139
PLANNED	4/27/2018	3	105	35
CUSTOMER REQUEST	4/27/2018	9	90	10
PLANNED	4/27/2018	1	13	13
PLANNED	4/27/2018	4	664	166
PLANNED	4/27/2018	4	1,056	264
PLANNED	4/27/2018	4	180	45
PLANNED	4/27/2018	6	1,062	177
Tornado	4/27/2018	25	1,050	42
PLANNED	4/27/2018	1	135	135
PLANNED	4/27/2018	74	10,553	292
PLANNED	4/27/2018	2	196	98
PLANNED	4/27/2018	3	447	149
PLANNED	4/27/2018	7	406	58
PLANNED	4/27/2018	2	306	153
PLANNED	4/27/2018	3	465	155
PLANNED	4/27/2018	2	308	154
PLANNED	4/27/2018	8	904	113
PLANNED	4/27/2018	11	825	75
PLANNED	4/27/2018	6	354	59
PLANNED	4/27/2018	10	1,120	112
PLANNED	4/27/2018	42	1,596	38
CUSTOMER REQUEST	4/27/2018	4	1,328	332
PLANNED	4/27/2018	16	656	41
PLANNED	4/27/2018	1	186	186
PLANNED	4/27/2018	3	159	53
PLANNED	4/27/2018	1	132	132
PLANNED	4/27/2018	3	333	111
PLANNED	4/27/2018	4	260	65
PLANNED	4/27/2018	3	321	107
PLANNED	4/27/2018	4	148	37
PLANNED	4/27/2018	6	330	55
PLANNED	4/27/2018	1	98	98
PLANNED	4/27/2018	7	301	43
PLANNED	4/27/2018	6	144	24
PLANNED	4/27/2018	2	308	154
PLANNED	4/27/2018	11	1,100	100
PLANNED	4/27/2018	1	95	95

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/27/2018	8	72	9
PLANNED	4/27/2018	1	37	37
PLANNED	4/27/2018	8	520	65
PLANNED	4/27/2018	1	20	20
Tornado	4/27/2018	4	40	10
PLANNED	4/27/2018	2	134	67
Tornado	4/27/2018	10	1,860	186
PLANNED	4/27/2018	1	48	48
PLANNED	4/27/2018	1	35	35
PLANNED	4/27/2018	1	201	201
Tornado	4/27/2018	1	136	136
Tornado	4/27/2018	9	1,053	117
PLANNED	4/27/2018	1	152	152
PLANNED	4/28/2018	1	298	298
PLANNED	4/28/2018	2	308	154
PLANNED	4/28/2018	19	3,933	207
PLANNED	4/28/2018	1	56	56
PLANNED	4/28/2018	1	143	143
PLANNED	4/28/2018	2	452	226
PLANNED	4/28/2018	2	364	182
PLANNED	4/28/2018	1	206	206
PLANNED	4/28/2018	3	144	48
CUSTOMER REQUEST	4/28/2018	2	516	258
PLANNED	4/28/2018	3	174	58
PLANNED	4/28/2018	1	69	69
PLANNED	4/28/2018	3	450	150
PLANNED	4/28/2018	1	33	33
PLANNED	4/28/2018	1	16	16
PLANNED	4/28/2018	2	150	75
PLANNED	4/28/2018	7	28	4
PLANNED	4/28/2018	2	116	58
PLANNED	4/28/2018	9	90	10
PLANNED	4/28/2018	1	65	65
PLANNED	4/28/2018	4	624	156
PLANNED	4/28/2018	1	43	43
PLANNED	4/28/2018	1	69	69
CUSTOMER REQUEST	4/28/2018	1	58	58
PLANNED	4/28/2018	2	240	120
PLANNED	4/29/2018	7	987	141
PLANNED	4/29/2018	3	369	123
PLANNED	4/29/2018	1	246	246
PLANNED	4/29/2018	2	136	68
PLANNED	4/29/2018	4	1,052	263
PLANNED	4/29/2018	1	28	28
PLANNED	4/29/2018	1	64	64
PLANNED	4/29/2018	10	560	56
PLANNED	4/29/2018	8	3,096	387
PLANNED	4/29/2018	1	40	40
PLANNED	4/29/2018	1	193	193
PLANNED	4/29/2018	1	184	184
PLANNED	4/29/2018	9	468	52

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/29/2018	2	170	85
PLANNED	4/29/2018	26	3,094	119
PLANNED	4/29/2018	1	302	302
PLANNED	4/29/2018	5	600	120
PLANNED	4/29/2018	3	678	226
PLANNED	4/30/2018	3	594	198
PLANNED	4/30/2018	1	105	105
PLANNED	4/30/2018	8	216	27
PLANNED	4/30/2018	34	3,502	103
PLANNED	4/30/2018	34	3,502	103
CUSTOMER REQUEST	4/30/2018	7	266	38
PLANNED	4/30/2018	10	1,660	166
PLANNED	4/30/2018	1	559	559
PLANNED	4/30/2018	1	556	556
CUSTOMER REQUEST	4/30/2018	5	20	4
PLANNED	4/30/2018	1	288	288
PLANNED	4/30/2018	1	2	2
PLANNED	4/30/2018	2	100	50
PLANNED	4/30/2018	1	165	165
PLANNED	4/30/2018	3	6	2
PLANNED	4/30/2018	8	1,120	140
PLANNED	4/30/2018	13	1,820	140
PLANNED	4/30/2018	7	1,015	145
PLANNED	4/30/2018	17	3,808	224
PLANNED	4/30/2018	11	99	9
CUSTOMER REQUEST	4/30/2018	8	64	8
PLANNED	4/30/2018	1	211	211
PLANNED	4/30/2018	6	354	59
PLANNED	4/30/2018	1	281	281
PLANNED	4/30/2018	24	4,368	182
PLANNED	4/30/2018	12	516	43
PLANNED	4/30/2018	1	179	179
PLANNED	4/30/2018	6	276	46
PLANNED	4/30/2018	1	50	50
PLANNED	4/30/2018	1	85	85
PLANNED	4/30/2018	5	90	18
PLANNED	4/30/2018	9	1,152	128
PLANNED	4/30/2018	2	130	65
PLANNED	4/30/2018	4	376	94
CUSTOMER REQUEST	4/30/2018	1	110	110
PLANNED	4/30/2018	14	2,058	147
PLANNED	4/30/2018	34	5,032	148
PLANNED	4/30/2018	3	219	73
PLANNED	4/30/2018	17	816	48
PLANNED	4/30/2018	7	63	9
PLANNED	4/30/2018	8	744	93
PLANNED	4/30/2018	35	3,848	117
CUSTOMER REQUEST	4/30/2018	1	231	231
PLANNED	4/30/2018	3	390	130
PLANNED	4/30/2018	18	1,602	89
PLANNED	4/30/2018	1	89	89

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	4/30/2018	4	324	81
PLANNED	4/30/2018	3	253	103
PLANNED	4/30/2018	4	124	31
CUSTOMER REQUEST	4/30/2018	5	15	3
PLANNED	4/30/2018	13	728	56
PLANNED	4/30/2018	2	134	67
PLANNED	4/30/2018	9	513	57
PLANNED	4/30/2018	9	630	70
PLANNED	4/30/2018	9	459	51
PLANNED	4/30/2018	7	28	4
PLANNED	4/30/2018	6	1,104	184
PLANNED	4/30/2018	7	490	70
PLANNED	4/30/2018	3	144	48
PLANNED	4/30/2018	3	276	92
PLANNED	4/30/2018	1	85	85
CUSTOMER REQUEST	4/30/2018	1	112	112
PLANNED	4/30/2018	12	2,868	239
PLANNED	4/30/2018	3	123	41
PLANNED	4/30/2018	3	306	102
PLANNED	4/30/2018	1	26	26
PLANNED	4/30/2018	7	553	79
PLANNED	4/30/2018	3	384	128
PLANNED	4/30/2018	8	472	59
PLANNED	4/30/2018	6	186	31
PLANNED	4/30/2018	1	167	167
PLANNED	4/30/2018	3	180	60
PLANNED	4/30/2018	5	425	85
PLANNED	4/30/2018	7	343	49
PLANNED	4/30/2018	11	77	7
PLANNED	4/30/2018	8	32	4
PLANNED	4/30/2018	1	136	136
PLANNED	4/30/2018	1	28	28
PLANNED	4/30/2018	2	242	121
PLANNED	4/30/2018	6	1,086	181
PLANNED	4/30/2018	1	82	82
PLANNED	4/30/2018	2	110	55
PLANNED	4/30/2018	5	315	63
PLANNED	4/30/2018	13	2,249	173
PLANNED	4/30/2018	5	260	52
PLANNED	4/30/2018	54	4,050	75
PLANNED	4/30/2018	1	105	105
PLANNED	4/30/2018	16	5,056	316
PLANNED	5/1/2018	1	112	112
PLANNED	5/1/2018	1	121	121
PLANNED	5/1/2018	1	85	85
PLANNED	5/1/2018	2	134	67
PLANNED	5/1/2018	1	65	65
PLANNED	5/1/2018	34	4,794	141
PLANNED	5/1/2018	1	62	62

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/1/2018	1	136	136
PLANNED	5/1/2018	25	2,775	111
PLANNED	5/1/2018	3	72	24
PLANNED	5/1/2018	8	472	59
PLANNED	5/1/2018	14	4,326	309
PLANNED	5/1/2018	11	858	78
PLANNED	5/1/2018	2	296	148
PLANNED	5/1/2018	3	300	100
PLANNED	5/1/2018	2	174	87
PLANNED	5/1/2018	8	304	38
PLANNED	5/1/2018	7	868	124
PLANNED	5/1/2018	12	360	30
PLANNED	5/1/2018	4	188	47
PLANNED	5/1/2018	8	976	122
PLANNED	5/1/2018	3	138	46
PLANNED	5/1/2018	2	196	98
PLANNED	5/1/2018	6	456	76
PLANNED	5/1/2018	8	744	93
PLANNED	5/1/2018	1	181	181
PLANNED	5/1/2018	51	4,692	92
PLANNED	5/1/2018	44	11,088	252
PLANNED	5/1/2018	35	1,365	39
PLANNED	5/1/2018	34	15,198	447
PLANNED	5/1/2018	2	196	98
PLANNED	5/1/2018	10	1,200	120
PLANNED	5/1/2018	10	1,610	161
PLANNED	5/1/2018	6	426	71
PLANNED	5/1/2018	3	336	112
PLANNED	5/1/2018	12	840	70
PLANNED	5/1/2018	12	840	70
PLANNED	5/1/2018	7	280	40
PLANNED	5/1/2018	1	215	215
PLANNED	5/1/2018	10	950	95
CUSTOMER REQUEST	5/1/2018	5	50	10
PLANNED	5/1/2018	11	1,177	107
PLANNED	5/1/2018	6	258	43
PLANNED	5/1/2018	20	4,720	236
PLANNED	5/1/2018	2	100	50
PLANNED	5/1/2018	1	130	130
PLANNED	5/1/2018	8	48	6
PLANNED	5/1/2018	4	164	41
PLANNED	5/1/2018	17	935	55
PLANNED	5/1/2018	13	1,417	109
PLANNED	5/1/2018	3	333	111
PLANNED	5/1/2018	17	1,037	61
PLANNED	5/1/2018	3	549	183
PLANNED	5/1/2018	2	338	169
PLANNED	5/1/2018	1	16	16
PLANNED	5/1/2018	11	2,178	198
PLANNED	5/1/2018	2	320	160
PLANNED	5/1/2018	6	1,644	274

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/1/2018	12	2,832	236
PLANNED	5/1/2018	8	840	105
PLANNED	5/1/2018	6	378	63
PLANNED	5/1/2018	2	186	93
PLANNED	5/1/2018	4	520	130
PLANNED	5/1/2018	2	452	226
PLANNED	5/1/2018	1	57	57
CUSTOMER REQUEST	5/1/2018	5	205	41
PLANNED	5/1/2018	4	860	215
PLANNED	5/1/2018	41	4,387	107
PLANNED	5/1/2018	6	288	48
PLANNED	5/1/2018	3	153	51
PLANNED	5/1/2018	2	98	49
PLANNED	5/1/2018	6	60	10
PLANNED	5/1/2018	2	136	68
PLANNED	5/1/2018	3	93	31
PLANNED	5/1/2018	11	253	23
PLANNED	5/1/2018	1	33	33
PLANNED	5/1/2018	2	204	102
PLANNED	5/1/2018	15	630	42
PLANNED	5/1/2018	2	150	75
PLANNED	5/1/2018	3	234	78
PLANNED	5/1/2018	6	1,020	170
PLANNED	5/1/2018	41	4,592	112
PLANNED	5/1/2018	1	57	57
PLANNED	5/1/2018	8	1,552	194
PLANNED	5/1/2018	9	1,557	173
PLANNED	5/1/2018	8	704	88
CUSTOMER REQUEST	5/1/2018	2	70	35
PLANNED	5/1/2018	3	132	44
PLANNED	5/1/2018	1	289	289
PLANNED	5/1/2018	2	182	91
PLANNED	5/1/2018	1	285	285
PLANNED	5/1/2018	9	414	46
PLANNED	5/1/2018	2	24	12
PLANNED	5/1/2018	14	392	28
PLANNED	5/1/2018	2	300	150
PLANNED	5/1/2018	1	9	9
PLANNED	5/1/2018	2	194	97
PLANNED	5/1/2018	3	198	66
PLANNED	5/1/2018	2	62	31
PLANNED	5/1/2018	1	95	95
CUSTOMER REQUEST	5/1/2018	1	30	30
PLANNED	5/1/2018	4	44	11
PLANNED	5/1/2018	6	378	63
PLANNED	5/1/2018	3	276	92
PLANNED	5/1/2018	2	118	59
PLANNED	5/1/2018	4	116	29
PLANNED	5/1/2018	1	65	65
PLANNED	5/1/2018	6	72	12
CUSTOMER REQUEST	5/1/2018	1	115	115

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	5/1/2018	11	396	36
PLANNED	5/1/2018	6	234	39
PLANNED	5/1/2018	1	217	217
PLANNED	5/1/2018	24	1,224	51
PLANNED	5/1/2018	34	2,210	65
PLANNED	5/1/2018	2	434	217
PLANNED	5/1/2018	9	1,377	153
PLANNED	5/1/2018	3	336	112
PLANNED	5/1/2018	1	205	205
PLANNED	5/1/2018	153	18,207	119
PLANNED	5/1/2018	38	11,514	303
PLANNED	5/2/2018	2	172	86
PLANNED	5/2/2018	1	97	97
PLANNED	5/2/2018	6	858	143
PLANNED	5/2/2018	2	420	210
PLANNED	5/2/2018	24	504	21
CUSTOMER REQUEST	5/2/2018	4	416	104
PLANNED	5/2/2018	3	687	229
PLANNED	5/2/2018	1	98	98
PLANNED	5/2/2018	16	896	56
PLANNED	5/2/2018	16	1,728	108
PLANNED	5/2/2018	7	1,547	221
CUSTOMER REQUEST	5/2/2018	29	14,065	485
PLANNED	5/2/2018	6	966	161
CUSTOMER REQUEST	5/2/2018	5	65	13
PLANNED	5/2/2018	6	324	54
PLANNED	5/2/2018	18	108	6
PLANNED	5/2/2018	4	612	153
PLANNED	5/2/2018	4	204	51
PLANNED	5/2/2018	2	164	82
PLANNED	5/2/2018	8	336	42
PLANNED	5/2/2018	3	156	52
PLANNED	5/2/2018	9	477	53
PLANNED	5/2/2018	13	104	8
PLANNED	5/2/2018	1	332	332
PLANNED	5/2/2018	1	16	16
PLANNED	5/2/2018	17	1,938	114
PLANNED	5/2/2018	4	236	59
PLANNED	5/2/2018	6	1,368	228
PLANNED	5/2/2018	7	2,359	337
PLANNED	5/2/2018	1	277	277
PLANNED	5/2/2018	2	218	109
PLANNED	5/2/2018	1	102	102
PLANNED	5/2/2018	2	152	76
PLANNED	5/2/2018	8	2,016	252
PLANNED	5/2/2018	1	133	133
PLANNED	5/2/2018	1	61	61
PLANNED	5/2/2018	2	288	144
PLANNED	5/2/2018	7	1,302	186
PLANNED	5/2/2018	10	1,860	186
PLANNED	5/2/2018	10	1,240	124

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/2/2018	4	616	154
PLANNED	5/2/2018	12	1,332	111
PLANNED	5/2/2018	1	155	155
PLANNED	5/2/2018	1	94	94
PLANNED	5/2/2018	1	60	60
PLANNED	5/2/2018	12	1,200	100
PLANNED	5/2/2018	1	118	118
PLANNED	5/2/2018	2	180	90
PLANNED	5/2/2018	5	585	117
PLANNED	5/2/2018	12	468	39
PLANNED	5/2/2018	2	120	60
PLANNED	5/2/2018	6	654	109
PLANNED	5/2/2018	5	55	11
PLANNED	5/2/2018	6	222	37
PLANNED	5/2/2018	5	800	160
PLANNED	5/2/2018	1	27	27
PLANNED	5/2/2018	11	2,112	192
PLANNED	5/2/2018	7	427	61
PLANNED	5/2/2018	3	72	24
PLANNED	5/2/2018	9	846	94
PLANNED	5/2/2018	12	2,748	229
PLANNED	5/2/2018	8	560	70
PLANNED	5/2/2018	4	276	69
PLANNED	5/2/2018	2	12	6
PLANNED	5/2/2018	12	1,260	105
PLANNED	5/2/2018	4	92	23
PLANNED	5/2/2018	4	416	104
PLANNED	5/2/2018	5	245	49
PLANNED	5/2/2018	2	238	119
PLANNED	5/2/2018	2	68	34
PLANNED	5/2/2018	9	1,611	179
PLANNED	5/2/2018	4	60	15
PLANNED	5/2/2018	19	722	38
CUSTOMER REQUEST	5/2/2018	1	4	4
PLANNED	5/2/2018	3	381	127
CUSTOMER REQUEST	5/2/2018	4	48	12
PLANNED	5/2/2018	7	1,183	169
PLANNED	5/2/2018	7	259	37
PLANNED	5/2/2018	2	88	44
PLANNED	5/2/2018	2	164	82
PLANNED	5/2/2018	5	385	77
PLANNED	5/2/2018	7	1,323	189
PLANNED	5/2/2018	8	1,288	161
PLANNED	5/2/2018	2	26	13
CUSTOMER REQUEST	5/2/2018	1	254	254
PLANNED	5/2/2018	1	163	163
CUSTOMER REQUEST	5/2/2018	42	294	7
PLANNED	5/2/2018	8	320	40
PLANNED	5/2/2018	1	37	37
PLANNED	5/2/2018	2	184	92
PLANNED	5/2/2018	1	62	62

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/2/2018	2	116	58
PLANNED	5/2/2018	11	880	80
CUSTOMER REQUEST	5/2/2018	8	56	7
PLANNED	5/2/2018	9	459	51
PLANNED	5/2/2018	3	369	123
PLANNED	5/2/2018	7	35	5
PLANNED	5/2/2018	1	48	48
PLANNED	5/2/2018	17	629	37
PLANNED	5/2/2018	2	94	47
PLANNED	5/2/2018	1	101	101
PLANNED	5/2/2018	5	380	76
PLANNED	5/2/2018	6	288	48
PLANNED	5/2/2018	5	1,115	223
PLANNED	5/2/2018	3	144	48
PLANNED	5/2/2018	3	231	77
PLANNED	5/2/2018	5	45	9
PLANNED	5/2/2018	5	450	90
PLANNED	5/2/2018	3	216	72
PLANNED	5/2/2018	11	297	27
PLANNED	5/2/2018	4	268	67
PLANNED	5/2/2018	1	129	129
PLANNED	5/2/2018	5	305	61
PLANNED	5/2/2018	15	2,190	146
PLANNED	5/2/2018	4	1,876	469
PLANNED	5/2/2018	4	500	125
PLANNED	5/2/2018	1	73	73
PLANNED	5/2/2018	108	22,680	210
PLANNED	5/2/2018	10	1,390	139
PLANNED	5/2/2018	3	705	235
PLANNED	5/2/2018	3	543	181
PLANNED	5/2/2018	14	462	33
PLANNED	5/2/2018	1	224	224
PLANNED	5/3/2018	1	47	47
CUSTOMER REQUEST	5/3/2018	27	6,102	226
PLANNED	5/3/2018	3	282	94
PLANNED	5/3/2018	1	155	155
PLANNED	5/3/2018	10	70	7
PLANNED	5/3/2018	9	2,484	276
PLANNED	5/3/2018	4	256	64
PLANNED	5/3/2018	2	122	61
PLANNED	5/3/2018	12	2,112	176
PLANNED	5/3/2018	19	3,249	171
PLANNED	5/3/2018	13	624	48
PLANNED	5/3/2018	15	900	60
PLANNED	5/3/2018	4	164	41
PLANNED	5/3/2018	7	357	51
PLANNED	5/3/2018	2	110	55
PLANNED	5/3/2018	1	177	177
PLANNED	5/3/2018	1	112	112
PLANNED	5/3/2018	1	193	193
PLANNED	5/3/2018	1	141	141

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/3/2018	1	190	190
PLANNED	5/3/2018	6	354	59
CUSTOMER REQUEST	5/3/2018	4	188	47
PLANNED	5/3/2018	2	472	236
PLANNED	5/3/2018	11	89	79
PLANNED	5/3/2018	1	53	53
PLANNED	5/3/2018	1	100	100
PLANNED	5/3/2018	1	423	423
PLANNED	5/3/2018	11	726	66
CUSTOMER REQUEST	5/3/2018	79	1,738	22
PLANNED	5/3/2018	11	44	4
PLANNED	5/3/2018	10	2,740	274
PLANNED	5/3/2018	8	784	98
PLANNED	5/3/2018	1	69	69
PLANNED	5/3/2018	9	2,592	288
PLANNED	5/3/2018	1	45	45
PLANNED	5/3/2018	2	182	91
PLANNED	5/3/2018	6	330	55
PLANNED	5/3/2018	10	2,110	211
PLANNED	5/3/2018	1	31	31
PLANNED	5/3/2018	4	252	63
PLANNED	5/3/2018	2	136	68
PLANNED	5/3/2018	1	146	146
PLANNED	5/3/2018	1	71	71
PLANNED	5/3/2018	8	520	65
PLANNED	5/3/2018	6	18	3
PLANNED	5/3/2018	1	215	215
CUSTOMER REQUEST	5/3/2018	5	330	66
PLANNED	5/3/2018	2	180	90
PLANNED	5/3/2018	8	536	67
PLANNED	5/3/2018	7	1,687	241
PLANNED	5/3/2018	9	1,269	141
PLANNED	5/3/2018	2	34	17
PLANNED	5/3/2018	31	5,704	184
PLANNED	5/3/2018	1	249	249
PLANNED	5/3/2018	4	300	75
PLANNED	5/3/2018	1	50	50
PLANNED	5/3/2018	3	210	70
PLANNED	5/3/2018	3	393	131
PLANNED	5/3/2018	2	672	336
CUSTOMER REQUEST	5/3/2018	7	7	1
PLANNED	5/3/2018	3	15	5
PLANNED	5/3/2018	1	51	51
PLANNED	5/3/2018	7	1,897	271
PLANNED	5/3/2018	2	16	8
CUSTOMER REQUEST	5/3/2018	25	4,700	188
PLANNED	5/3/2018	1	265	265
PLANNED	5/3/2018	4	404	101
PLANNED	5/3/2018	3	354	118
PLANNED	5/3/2018	6	486	81
PLANNED	5/3/2018	8	1,104	138

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/3/2018	14	1,792	128
PLANNED	5/3/2018	20	2,040	102
PLANNED	5/3/2018	10	890	89
PLANNED	5/3/2018	5	1,325	265
CUSTOMER REQUEST	5/3/2018	5	240	48
PLANNED	5/3/2018	1	129	129
PLANNED	5/3/2018	2	782	391
PLANNED	5/3/2018	4	160	40
PLANNED	5/3/2018	3	264	88
PLANNED	5/3/2018	4	1,596	399
PLANNED	5/3/2018	9	1,620	180
CUSTOMER REQUEST	5/3/2018	1	50	50
PLANNED	5/3/2018	6	78	13
PLANNED	5/3/2018	2	100	50
PLANNED	5/3/2018	1	22	22
PLANNED	5/3/2018	4	404	101
PLANNED	5/3/2018	5	215	43
PLANNED	5/3/2018	14	3,822	273
PLANNED	5/3/2018	24	720	30
PLANNED	5/3/2018	1	50	50
PLANNED	5/3/2018	6	348	58
PLANNED	5/3/2018	2	158	79
PLANNED	5/3/2018	6	228	38
PLANNED	5/3/2018	1	113	113
PLANNED	5/3/2018	1	134	134
PLANNED	5/3/2018	2	22	11
PLANNED	5/3/2018	8	768	96
PLANNED	5/3/2018	9	1,890	210
PLANNED	5/3/2018	7	112	16
PLANNED	5/3/2018	3	111	37
PLANNED	5/3/2018	7	441	63
PLANNED	5/3/2018	3	315	105
PLANNED	5/3/2018	4	520	130
PLANNED	5/3/2018	12	1,272	106
PLANNED	5/3/2018	3	27	9
PLANNED	5/3/2018	2	124	62
PLANNED	5/3/2018	18	1,476	82
PLANNED	5/3/2018	2	94	47
PLANNED	5/3/2018	2	276	138
PLANNED	5/3/2018	2	70	35
PLANNED	5/3/2018	1	136	136
PLANNED	5/3/2018	5	445	89
PLANNED	5/3/2018	12	1,416	118
PLANNED	5/3/2018	12	1,224	102
PLANNED	5/3/2018	2	214	107
PLANNED	5/3/2018	3	126	42
PLANNED	5/3/2018	4	272	68
PLANNED	5/3/2018	2	298	149
PLANNED	5/3/2018	2	378	189
PLANNED	5/3/2018	4	380	95
PLANNED	5/3/2018	6	780	130

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/3/2018	6	810	135
PLANNED	5/3/2018	1	104	104
PLANNED	5/3/2018	15	1,230	82
PLANNED	5/3/2018	12	396	33
PLANNED	5/3/2018	13	533	41
PLANNED	5/3/2018	4	200	50
CUSTOMER REQUEST	5/3/2018	1	143	143
PLANNED	5/3/2018	1	79	79
PLANNED	5/3/2018	4	460	115
PLANNED	5/3/2018	14	1,904	136
CUSTOMER REQUEST	5/3/2018	25	75	3
PLANNED	5/3/2018	19	10,729	568
PLANNED	5/3/2018	13	7,384	568
PLANNED	5/3/2018	1	293	293
PLANNED	5/3/2018	1	461	461
PLANNED	5/3/2018	3	1,380	460
PLANNED	5/3/2018	1	112	112
PLANNED	5/3/2018	1	90	90
CUSTOMER REQUEST	5/3/2018	11	682	62
PLANNED	5/4/2018	17	3,179	187
PLANNED	5/4/2018	1	73	73
PLANNED	5/4/2018	1	211	211
PLANNED	5/4/2018	11	1,628	148
PLANNED	5/4/2018	1	58	58
PLANNED	5/4/2018	5	180	36
PLANNED	5/4/2018	16	896	56
PLANNED	5/4/2018	1	38	38
PLANNED	5/4/2018	1	360	360
PLANNED	5/4/2018	7	301	43
PLANNED	5/4/2018	6	390	65
CUSTOMER REQUEST	5/4/2018	1	13	13
PLANNED	5/4/2018	1	58	58
PLANNED	5/4/2018	4	672	168
PLANNED	5/4/2018	2	402	201
PLANNED	5/4/2018	16	592	37
PLANNED	5/4/2018	2	84	42
PLANNED	5/4/2018	20	60	3
PLANNED	5/4/2018	5	374	139
PLANNED	5/4/2018	23	253	11
PLANNED	5/4/2018	12	2,496	208
PLANNED	5/4/2018	21	210	10
PLANNED	5/4/2018	3	174	58
PLANNED	5/4/2018	8	1,336	167
PLANNED	5/4/2018	11	407	37
PLANNED	5/4/2018	7	1,113	159
PLANNED	5/4/2018	1	357	357
PLANNED	5/4/2018	6	1,716	286
PLANNED	5/4/2018	6	1,494	249
PLANNED	5/4/2018	3	66	22
PLANNED	5/4/2018	1	40	40
PLANNED	5/4/2018	6	360	60

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/4/2018	4	376	94
PLANNED	5/4/2018	1	50	50
PLANNED	5/4/2018	7	623	89
PLANNED	5/4/2018	3	480	160
PLANNED	5/4/2018	14	2,758	197
PLANNED	5/4/2018	13	390	30
PLANNED	5/4/2018	1	57	57
PLANNED	5/4/2018	9	1,125	125
PLANNED	5/4/2018	3	240	80
PLANNED	5/4/2018	1	56	56
PLANNED	5/4/2018	12	900	75
PLANNED	5/4/2018	11	539	49
CUSTOMER REQUEST	5/4/2018	1	38	38
PLANNED	5/4/2018	3	540	180
PLANNED	5/4/2018	51	6,477	127
CUSTOMER REQUEST	5/4/2018	10	190	19
PLANNED	5/4/2018	2	232	116
PLANNED	5/4/2018	9	2,034	226
PLANNED	5/4/2018	4	452	113
PLANNED	5/4/2018	2	228	114
PLANNED	5/4/2018	5	360	72
PLANNED	5/4/2018	3	258	86
PLANNED	5/4/2018	10	780	78
PLANNED	5/4/2018	1	170	170
PLANNED	5/4/2018	6	270	45
PLANNED	5/4/2018	3	429	143
PLANNED	5/4/2018	36	2,808	78
PLANNED	5/4/2018	19	1,102	58
PLANNED	5/4/2018	8	984	123
PLANNED	5/4/2018	10	1,030	103
CUSTOMER REQUEST	5/4/2018	9	252	28
PLANNED	5/4/2018	32	576	18
CUSTOMER REQUEST	5/4/2018	2	186	93
PLANNED	5/4/2018	1	38	38
PLANNED	5/4/2018	11	198	18
PLANNED	5/4/2018	6	342	57
PLANNED	5/4/2018	4	1,108	277
PLANNED	5/4/2018	3	156	52
PLANNED	5/4/2018	3	294	98
CUSTOMER REQUEST	5/4/2018	9	369	41
PLANNED	5/4/2018	11	1,914	174
PLANNED	5/4/2018	2	460	230
PLANNED	5/4/2018	2	184	92
CUSTOMER REQUEST	5/4/2018	1	285	285
CUSTOMER REQUEST	5/4/2018	10	240	24
PLANNED	5/4/2018	6	1,110	185
PLANNED	5/4/2018	12	1,164	97
PLANNED	5/4/2018	12	600	50
PLANNED	5/4/2018	1	40	40
PLANNED	5/4/2018	1	88	88
PLANNED	5/4/2018	1	38	38

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/4/2018	9	1,818	202
PLANNED	5/4/2018	2	84	42
PLANNED	5/4/2018	3	93	31
PLANNED	5/4/2018	10	230	23
PLANNED	5/4/2018	2	526	263
PLANNED	5/4/2018	3	966	322
PLANNED	5/4/2018	1	235	235
PLANNED	5/4/2018	9	2,232	248
PLANNED	5/5/2018	25	2,075	83
PLANNED	5/5/2018	23	2,300	100
PLANNED	5/5/2018	1	15	15
PLANNED	5/5/2018	1	75	75
PLANNED	5/5/2018	3	1,458	486
PLANNED	5/5/2018	1	83	83
PLANNED	5/5/2018	2	526	263
PLANNED	5/5/2018	1	101	101
PLANNED	5/5/2018	6	126	21
PLANNED	5/5/2018	1	95	95
PLANNED	5/5/2018	1	74	74
PLANNED	5/5/2018	1	206	206
PLANNED	5/5/2018	6	876	146
PLANNED	5/5/2018	2	366	183
CUSTOMER REQUEST	5/5/2018	1	141	141
PLANNED	5/5/2018	6	324	54
PLANNED	5/5/2018	12	420	35
PLANNED	5/5/2018	5	410	82
PLANNED	5/5/2018	8	160	20
PLANNED	5/5/2018	12	360	30
PLANNED	5/5/2018	1	773	773
CUSTOMER REQUEST	5/6/2018	2	72	36
PLANNED	5/6/2018	9	1,125	125
PLANNED	5/6/2018	2	372	186
PLANNED	5/6/2018	7	1,302	186
PLANNED	5/6/2018	7	882	126
PLANNED	5/6/2018	2	176	88
PLANNED	5/6/2018	3	513	171
PLANNED	5/6/2018	5	175	35
PLANNED	5/6/2018	14	280	20
PLANNED	5/6/2018	6	1,212	202
CUSTOMER REQUEST	5/6/2018	7	70	10
PLANNED	5/6/2018	7	763	109
PLANNED	5/6/2018	11	473	43
CUSTOMER REQUEST	5/6/2018	12	1,740	145
PLANNED	5/6/2018	6	210	35
PLANNED	5/7/2018	1	278	278
PLANNED	5/7/2018	20	4,840	242
PLANNED	5/7/2018	8	1,608	201
PLANNED	5/7/2018	25	7,525	301
CUSTOMER REQUEST	5/7/2018	1,439	44,609	31
CUSTOMER REQUEST	5/7/2018	4	1,072	268
PLANNED	5/7/2018	2	142	71

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/7/2018	7	28	4
PLANNED	5/7/2018	2	120	60
PLANNED	5/7/2018	12	1,104	92
PLANNED	5/7/2018	1	42	42
PLANNED	5/7/2018	3	471	157
PLANNED	5/7/2018	8	1,216	152
CUSTOMER REQUEST	5/7/2018	4	136	34
PLANNED	5/7/2018	18	756	42
PLANNED	5/7/2018	8	1,552	194
PLANNED	5/7/2018	3	324	108
PLANNED	5/7/2018	1	193	193
CUSTOMER REQUEST	5/7/2018	1	75	75
PLANNED	5/7/2018	4	32	8
PLANNED	5/7/2018	7	1,624	232
PLANNED	5/7/2018	8	1,728	216
PLANNED	5/7/2018	3	375	125
PLANNED	5/7/2018	4	1,136	284
PLANNED	5/7/2018	8	960	120
PLANNED	5/7/2018	5	380	76
CUSTOMER REQUEST	5/7/2018	3	96	32
PLANNED	5/7/2018	2	298	149
PLANNED	5/7/2018	59	23,423	397
PLANNED	5/7/2018	7	448	64
PLANNED	5/7/2018	8	1,280	160
PLANNED	5/7/2018	5	770	154
PLANNED	5/7/2018	4	308	77
PLANNED	5/7/2018	6	990	165
PLANNED	5/7/2018	6	660	110
PLANNED	5/7/2018	7	1,197	171
PLANNED	5/7/2018	7	1,456	208
PLANNED	5/7/2018	10	2,070	207
PLANNED	5/7/2018	3	621	207
PLANNED	5/7/2018	14	1,386	99
PLANNED	5/7/2018	4	792	198
CUSTOMER REQUEST	5/7/2018	1	100	100
CUSTOMER REQUEST	5/7/2018	1,002	13,026	13
PLANNED	5/7/2018	2	72	36
PLANNED	5/7/2018	35	5,215	149
PLANNED	5/7/2018	20	5,740	287
PLANNED	5/7/2018	13	2,353	181
PLANNED	5/7/2018	5	945	189
PLANNED	5/7/2018	18	522	29
PLANNED	5/7/2018	32	2,112	66
PLANNED	5/7/2018	2	144	72
PLANNED	5/7/2018	10	960	96
PLANNED	5/7/2018	1	33	33
PLANNED	5/7/2018	6	696	116
PLANNED	5/7/2018	1	54	54
PLANNED	5/7/2018	2	84	42
PLANNED	5/7/2018	4	392	98
PLANNED	5/7/2018	8	1,240	155

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/7/2018	2	184	92
PLANNED	5/7/2018	1	71	71
PLANNED	5/7/2018	10	920	92
PLANNED	5/7/2018	8	1,288	161
PLANNED	5/7/2018	3	879	293
PLANNED	5/7/2018	5	330	66
PLANNED	5/7/2018	7	420	60
PLANNED	5/7/2018	9	18	2
PLANNED	5/7/2018	2	224	112
PLANNED	5/7/2018	9	594	66
PLANNED	5/7/2018	2	136	68
PLANNED	5/7/2018	7	1,134	162
PLANNED	5/7/2018	6	654	109
PLANNED	5/7/2018	9	1,044	116
PLANNED	5/7/2018	5	65	13
PLANNED	5/7/2018	17	170	10
PLANNED	5/7/2018	4	660	165
PLANNED	5/7/2018	14	728	52
PLANNED	5/7/2018	5	1,165	233
PLANNED	5/7/2018	6	414	69
PLANNED	5/7/2018	7	637	91
PLANNED	5/7/2018	7	637	91
PLANNED	5/7/2018	4	196	49
PLANNED	5/7/2018	7	322	46
PLANNED	5/7/2018	7	420	60
PLANNED	5/7/2018	8	312	39
PLANNED	5/7/2018	6	552	92
PLANNED	5/7/2018	5	155	31
PLANNED	5/7/2018	6	1,248	208
PLANNED	5/7/2018	6	828	138
PLANNED	5/7/2018	6	462	77
PLANNED	5/7/2018	4	708	177
PLANNED	5/7/2018	2	286	143
PLANNED	5/7/2018	4	392	98
CUSTOMER REQUEST	5/7/2018	28	392	14
PLANNED	5/7/2018	8	216	27
PLANNED	5/7/2018	18	72	4
PLANNED	5/7/2018	1	86	86
CUSTOMER REQUEST	5/7/2018	1	260	260
CUSTOMER REQUEST	5/7/2018	5	155	31
CUSTOMER REQUEST	5/7/2018	1	118	118
CUSTOMER REQUEST	5/7/2018	375	10,875	29
CUSTOMER REQUEST	5/7/2018	1,216	30,400	25
PLANNED	5/7/2018	17	1,904	112
PLANNED	5/7/2018	2	258	129
PLANNED	5/7/2018	9	2,781	309
PLANNED	5/7/2018	1	611	611
PLANNED	5/8/2018	1	308	308
PLANNED	5/8/2018	1	55	55
PLANNED	5/8/2018	9	1,017	113
PLANNED	5/8/2018	5	530	106

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/8/2018	4	860	215
PLANNED	5/8/2018	19	608	32
PLANNED	5/8/2018	3	156	52
PLANNED	5/8/2018	3	624	208
PLANNED	5/8/2018	5	75	15
PLANNED	5/8/2018	13	221	17
PLANNED	5/8/2018	4	784	196
PLANNED	5/8/2018	4	552	138
PLANNED	5/8/2018	1	125	125
PLANNED	5/8/2018	4	172	43
PLANNED	5/8/2018	1	446	446
PLANNED	5/8/2018	7	1,743	249
PLANNED	5/8/2018	3	186	62
PLANNED	5/8/2018	1	76	76
PLANNED	5/8/2018	7	917	131
PLANNED	5/8/2018	2	490	245
PLANNED	5/8/2018	8	536	67
PLANNED	5/8/2018	4	728	182
PLANNED	5/8/2018	3	501	167
PLANNED	5/8/2018	6	234	39
PLANNED	5/8/2018	9	999	111
PLANNED	5/8/2018	3	135	45
PLANNED	5/8/2018	11	2,453	223
PLANNED	5/8/2018	5	680	136
CUSTOMER REQUEST	5/8/2018	6	162	27
PLANNED	5/8/2018	14	574	41
CUSTOMER REQUEST	5/8/2018	10	240	24
PLANNED	5/8/2018	4	200	50
PLANNED	5/8/2018	6	972	162
PLANNED	5/8/2018	7	1,078	154
PLANNED	5/8/2018	8	1,136	142
PLANNED	5/8/2018	2	170	85
PLANNED	5/8/2018	4	272	68
PLANNED	5/8/2018	6	210	35
CUSTOMER REQUEST	5/8/2018	13	208	16
PLANNED	5/8/2018	19	2,850	150
PLANNED	5/8/2018	11	616	56
PLANNED	5/8/2018	18	342	19
PLANNED	5/8/2018	22	418	19
PLANNED	5/8/2018	22	418	19
PLANNED	5/8/2018	1	19	19
PLANNED	5/8/2018	15	3,150	210
PLANNED	5/8/2018	1	50	50
PLANNED	5/8/2018	1	145	145
PLANNED	5/8/2018	16	6,016	376
PLANNED	5/8/2018	119	21,539	181
CUSTOMER REQUEST	5/8/2018	12	258	49
CUSTOMER REQUEST	5/8/2018	97	11,058	114
PLANNED	5/8/2018	13	2,457	189
PLANNED	5/8/2018	10	2,680	268
PLANNED	5/8/2018	1	55	55

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/8/2018	9	1,854	206
PLANNED	5/8/2018	34	3,196	94
CUSTOMER REQUEST	5/8/2018	2	26	13
PLANNED	5/8/2018	3	120	40
PLANNED	5/8/2018	15	1,215	81
PLANNED	5/8/2018	6	840	140
PLANNED	5/8/2018	1	75	75
PLANNED	5/8/2018	6	36	6
PLANNED	5/8/2018	6	168	28
PLANNED	5/8/2018	3	507	169
PLANNED	5/8/2018	45	7,560	168
PLANNED	5/8/2018	1	116	116
PLANNED	5/8/2018	13	39	3
PLANNED	5/8/2018	1	39	39
CUSTOMER REQUEST	5/8/2018	6	1,020	170
PLANNED	5/8/2018	3	90	30
PLANNED	5/8/2018	6	186	31
PLANNED	5/8/2018	8	136	17
PLANNED	5/8/2018	1	111	111
PLANNED	5/8/2018	26	3,770	145
PLANNED	5/8/2018	1	23	23
PLANNED	5/8/2018	8	864	108
PLANNED	5/8/2018	1	231	231
PLANNED	5/8/2018	76	3,800	50
PLANNED	5/8/2018	1	126	126
PLANNED	5/8/2018	8	456	57
PLANNED	5/8/2018	4	92	23
PLANNED	5/8/2018	34	3,162	93
PLANNED	5/8/2018	1	103	103
PLANNED	5/8/2018	2	140	70
PLANNED	5/8/2018	2	66	33
PLANNED	5/8/2018	7	770	110
CUSTOMER REQUEST	5/8/2018	2	234	117
PLANNED	5/8/2018	3	99	33
PLANNED	5/8/2018	3	435	145
PLANNED	5/8/2018	2	144	72
PLANNED	5/8/2018	2	232	116
PLANNED	5/8/2018	6	360	60
PLANNED	5/8/2018	6	1,452	242
PLANNED	5/8/2018	1	34	34
PLANNED	5/8/2018	5	400	80
CUSTOMER REQUEST	5/8/2018	11	297	27
CUSTOMER REQUEST	5/8/2018	1	138	138
PLANNED	5/8/2018	6	342	57
PLANNED	5/8/2018	1	67	67
PLANNED	5/8/2018	3	429	143
PLANNED	5/8/2018	10	1,470	147
PLANNED	5/8/2018	9	135	15
PLANNED	5/8/2018	6	24	4
PLANNED	5/8/2018	1	98	98
PLANNED	5/8/2018	1	46	46

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/8/2018	18	198	11
PLANNED	5/8/2018	3	270	90
PLANNED	5/8/2018	18	108	6
PLANNED	5/8/2018	9	27	3
PLANNED	5/8/2018	3	369	123
PLANNED	5/8/2018	8	136	17
PLANNED	5/8/2018	2	192	96
PLANNED	5/8/2018	3	123	41
PLANNED	5/8/2018	1	176	176
CUSTOMER REQUEST	5/8/2018	1	297	297
PLANNED	5/8/2018	17	816	48
PLANNED	5/8/2018	1	33	33
PLANNED	5/8/2018	3	192	64
PLANNED	5/8/2018	1	29	29
PLANNED	5/8/2018	13	1,716	132
PLANNED	5/8/2018	1	173	173
PLANNED	5/8/2018	25	4,275	171
PLANNED	5/8/2018	1	154	154
PLANNED	5/8/2018	9	1,593	177
PLANNED	5/8/2018	1	74	74
CUSTOMER REQUEST	5/9/2018	15	180	12
PLANNED	5/9/2018	1	280	280
PLANNED	5/9/2018	2	320	160
PLANNED	5/9/2018	10	1,410	141
PLANNED	5/9/2018	22	3,762	171
PLANNED	5/9/2018	1	22	22
PLANNED	5/9/2018	9	387	43
PLANNED	5/9/2018	5	90	18
CUSTOMER REQUEST	5/9/2018	1	129	129
PLANNED	5/9/2018	2	136	68
CUSTOMER REQUEST	5/9/2018	1	287	287
PLANNED	5/9/2018	12	3,036	253
PLANNED	5/9/2018	3	1,032	344
CUSTOMER REQUEST	5/9/2018	11	990	90
PLANNED	5/9/2018	5	1,200	240
PLANNED	5/9/2018	13	1,495	115
PLANNED	5/9/2018	4	948	237
PLANNED	5/9/2018	6	672	112
PLANNED	5/9/2018	4	576	144
PLANNED	5/9/2018	10	2,350	235
PLANNED	5/9/2018	1	91	91
PLANNED	5/9/2018	6	167	162
PLANNED	5/9/2018	27	2,268	84
PLANNED	5/9/2018	4	232	58
CUSTOMER REQUEST	5/9/2018	9	18	2
PLANNED	5/9/2018	4	964	241
PLANNED	5/9/2018	2	366	183
PLANNED	5/9/2018	8	2,160	270
PLANNED	5/9/2018	18	90	5
PLANNED	5/9/2018	43	2,365	55
CUSTOMER REQUEST	5/9/2018	4	92	23

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/9/2018	8	288	36
PLANNED	5/9/2018	1	201	201
PLANNED	5/9/2018	3	255	85
PLANNED	5/9/2018	2	248	124
PLANNED	5/9/2018	3	516	172
PLANNED	5/9/2018	4	900	225
CUSTOMER REQUEST	5/9/2018	6	60	10
PLANNED	5/9/2018	7	644	92
PLANNED	5/9/2018	15	105	7
PLANNED	5/9/2018	1	73	73
PLANNED	5/9/2018	17	4,233	249
PLANNED	5/9/2018	2	58	29
PLANNED	5/9/2018	2	268	134
PLANNED	5/9/2018	36	15,156	421
PLANNED	5/9/2018	34	4,284	126
PLANNED	5/9/2018	4	52	13
PLANNED	5/9/2018	37	7,215	195
PLANNED	5/9/2018	4	304	76
CUSTOMER REQUEST	5/9/2018	8	104	13
CUSTOMER REQUEST	5/9/2018	9	1,161	129
PLANNED	5/9/2018	8	320	40
PLANNED	5/9/2018	2	24	12
PLANNED	5/9/2018	5	105	21
PLANNED	5/9/2018	2	168	84
PLANNED	5/9/2018	8	992	124
PLANNED	5/9/2018	7	791	113
PLANNED	5/9/2018	4	148	37
PLANNED	5/9/2018	8	1,336	167
PLANNED	5/9/2018	7	280	40
PLANNED	5/9/2018	1	69	69
PLANNED	5/9/2018	3	66	22
PLANNED	5/9/2018	5	1,785	357
PLANNED	5/9/2018	1	31	31
PLANNED	5/9/2018	2	296	148
PLANNED	5/9/2018	23	4,255	185
PLANNED	5/9/2018	6	690	115
PLANNED	5/9/2018	32	2,848	89
PLANNED	5/9/2018	14	1,442	103
PLANNED	5/9/2018	4	44	11
PLANNED	5/9/2018	1	57	57
PLANNED	5/9/2018	4	72	18
PLANNED	5/9/2018	16	256	16
PLANNED	5/9/2018	13	2,964	228
PLANNED	5/9/2018	5	35	7
PLANNED	5/9/2018	6	6	1
PLANNED	5/9/2018	14	1,890	135
PLANNED	5/9/2018	4	140	35
PLANNED	5/9/2018	14	2,086	149
PLANNED	5/9/2018	4	1,012	253
PLANNED	5/9/2018	1	8	8
PLANNED	5/9/2018	1	103	103

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/9/2018	1	136	136
PLANNED	5/9/2018	7	476	68
PLANNED	5/9/2018	1	148	148
PLANNED	5/9/2018	1	35	35
PLANNED	5/9/2018	2	138	69
PLANNED	5/9/2018	1	31	31
PLANNED	5/9/2018	3	99	33
PLANNED	5/9/2018	4	532	133
CUSTOMER REQUEST	5/9/2018	1	82	82
PLANNED	5/9/2018	1	38	38
CUSTOMER REQUEST	5/9/2018	1	85	85
PLANNED	5/9/2018	4	240	60
PLANNED	5/9/2018	3	483	161
PLANNED	5/9/2018	1	95	95
PLANNED	5/9/2018	1	61	61
PLANNED	5/9/2018	7	378	54
PLANNED	5/9/2018	1	203	203
CUSTOMER REQUEST	5/9/2018	874	41,952	48
PLANNED	5/10/2018	5	1,050	210
PLANNED	5/10/2018	1	264	264
PLANNED	5/10/2018	1	173	173
PLANNED	5/10/2018	10	1,280	128
PLANNED	5/10/2018	2	110	55
PLANNED	5/10/2018	1	106	106
PLANNED	5/10/2018	1	72	72
PLANNED	5/10/2018	8	1,200	150
PLANNED	5/10/2018	1	101	101
PLANNED	5/10/2018	4	72	18
PLANNED	5/10/2018	3	99	33
PLANNED	5/10/2018	1	83	83
PLANNED	5/10/2018	3	210	70
PLANNED	5/10/2018	1	608	608
PLANNED	5/10/2018	1	606	606
PLANNED	5/10/2018	20	960	48
PLANNED	5/10/2018	3	555	185
PLANNED	5/10/2018	1	176	176
PLANNED	5/10/2018	1	165	165
PLANNED	5/10/2018	9	63	7
PLANNED	5/10/2018	16	1,824	114
PLANNED	5/10/2018	6	402	67
CUSTOMER REQUEST	5/10/2018	26	9,906	381
PLANNED	5/10/2018	4	604	151
PLANNED	5/10/2018	2	296	148
PLANNED	5/10/2018	1	275	275
CUSTOMER REQUEST	5/10/2018	38	17,746	467
PLANNED	5/10/2018	17	1,938	114
PLANNED	5/10/2018	16	2,016	126
PLANNED	5/10/2018	4	452	113
PLANNED	5/10/2018	8	1,120	140
PLANNED	5/10/2018	1	98	98
PLANNED	5/10/2018	1	81	81

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/10/2018	6	2,292	382
PLANNED	5/10/2018	4	616	154
PLANNED	5/10/2018	1	139	139
PLANNED	5/10/2018	24	2,160	90
PLANNED	5/10/2018	8	760	95
PLANNED	5/10/2018	7	924	132
PLANNED	5/10/2018	30	360	12
PLANNED	5/10/2018	6	330	55
PLANNED	5/10/2018	6	864	144
PLANNED	5/10/2018	18	1,728	96
PLANNED	5/10/2018	2	558	279
PLANNED	5/10/2018	8	344	43
CUSTOMER REQUEST	5/10/2018	3	240	80
PLANNED	5/10/2018	1	39	39
PLANNED	5/10/2018	34	2,142	63
CUSTOMER REQUEST	5/10/2018	7	147	21
PLANNED	5/10/2018	3	168	56
CUSTOMER REQUEST	5/10/2018	22	264	12
PLANNED	5/10/2018	3	456	152
PLANNED	5/10/2018	34	5,304	156
PLANNED	5/10/2018	29	11,687	403
PLANNED	5/10/2018	1	483	483
PLANNED	5/10/2018	11	1,364	124
PLANNED	5/10/2018	5	1,385	277
CUSTOMER REQUEST	5/10/2018	11	253	23
PLANNED	5/10/2018	7	1,106	158
PLANNED	5/10/2018	4	876	219
PLANNED	5/10/2018	7	1,582	226
PLANNED	5/10/2018	1	260	260
PLANNED	5/10/2018	1	176	176
PLANNED	5/10/2018	4	536	134
CUSTOMER REQUEST	5/10/2018	3	615	205
PLANNED	5/10/2018	3	234	78
PLANNED	5/10/2018	11	781	71
PLANNED	5/10/2018	2	92	46
PLANNED	5/10/2018	1	460	460
PLANNED	5/10/2018	2	464	232
PLANNED	5/10/2018	9	1,062	118
PLANNED	5/10/2018	150	2,544	384
CUSTOMER REQUEST	5/10/2018	8	64	8
PLANNED	5/10/2018	7	917	131
PLANNED	5/10/2018	2	144	72
PLANNED	5/10/2018	1	72	72
PLANNED	5/10/2018	10	420	42
PLANNED	5/10/2018	8	440	55
CUSTOMER REQUEST	5/10/2018	1	236	236
PLANNED	5/10/2018	1	51	51
PLANNED	5/10/2018	1	31	31
PLANNED	5/10/2018	2	62	31
PLANNED	5/10/2018	4	184	46
PLANNED	5/10/2018	2	230	115

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/10/2018	3	354	118
PLANNED	5/10/2018	6	48	8
PLANNED	5/10/2018	15	5,865	391
PLANNED	5/10/2018	11	1,870	170
PLANNED	5/10/2018	7	301	43
PLANNED	5/10/2018	1	65	65
PLANNED	5/10/2018	1	51	51
PLANNED	5/10/2018	1	31	31
PLANNED	5/10/2018	4	1,212	303
PLANNED	5/10/2018	15	2,895	193
PLANNED	5/10/2018	12	1,776	148
PLANNED	5/10/2018	4	64	16
PLANNED	5/10/2018	2	228	114
PLANNED	5/10/2018	7	1,302	186
PLANNED	5/10/2018	6	6	1
PLANNED	5/10/2018	1	59	59
CUSTOMER REQUEST	5/10/2018	16	592	37
PLANNED	5/10/2018	14	1,960	140
PLANNED	5/10/2018	1	10	10
PLANNED	5/10/2018	6	744	124
PLANNED	5/10/2018	8	1,648	206
PLANNED	5/10/2018	10	540	54
PLANNED	5/10/2018	11	1,298	118
PLANNED	5/10/2018	1	175	175
PLANNED	5/10/2018	2	70	35
PLANNED	5/10/2018	1	96	96
PLANNED	5/10/2018	1	80	80
PLANNED	5/10/2018	3	183	61
CUSTOMER REQUEST	5/10/2018	1	243	243
PLANNED	5/10/2018	1	96	96
PLANNED	5/10/2018	2	32	16
PLANNED	5/10/2018	11	132	12
PLANNED	5/10/2018	1	77	77
PLANNED	5/10/2018	3	348	116
PLANNED	5/10/2018	5	355	71
PLANNED	5/10/2018	3	153	51
PLANNED	5/10/2018	1	85	85
PLANNED	5/10/2018	1	180	180
PLANNED	5/10/2018	7	399	57
PLANNED	5/10/2018	1	122	122
PLANNED	5/10/2018	1	113	113
PLANNED	5/10/2018	7	602	86
PLANNED	5/10/2018	10	1,106	337
PLANNED	5/11/2018	1	20	20
PLANNED	5/11/2018	158	6,004	38
PLANNED	5/11/2018	1	105	105
PLANNED	5/11/2018	1	168	168
PLANNED	5/11/2018	1	92	92
PLANNED	5/11/2018	4	244	61
PLANNED	5/11/2018	3	573	191
PLANNED	5/11/2018	10	570	57

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/11/2018	2	290	145
PLANNED	5/11/2018	3	432	144
PLANNED	5/11/2018	9	783	87
PLANNED	5/11/2018	3	300	100
PLANNED	5/11/2018	13	52	4
PLANNED	5/11/2018	2	234	117
PLANNED	5/11/2018	2	310	155
PLANNED	5/11/2018	10	160	16
CUSTOMER REQUEST	5/11/2018	21	567	27
PLANNED	5/11/2018	3	27	9
PLANNED	5/11/2018	3	237	79
CUSTOMER REQUEST	5/11/2018	11	220	20
PLANNED	5/11/2018	1	150	150
PLANNED	5/11/2018	12	252	21
CUSTOMER REQUEST	5/11/2018	61	7,442	122
PLANNED	5/11/2018	3	543	181
PLANNED	5/11/2018	1	216	216
PLANNED	5/11/2018	2	112	56
PLANNED	5/11/2018	5	370	74
PLANNED	5/11/2018	2	402	201
PLANNED	5/11/2018	7	448	64
PLANNED	5/11/2018	2	660	330
PLANNED	5/11/2018	8	1,512	189
PLANNED	5/11/2018	9	2,565	285
PLANNED	5/11/2018	11	3,223	293
PLANNED	5/11/2018	3	876	292
PLANNED	5/11/2018	7	7	1
CUSTOMER REQUEST	5/11/2018	12	360	30
PLANNED	5/11/2018	13	429	33
PLANNED	5/11/2018	4	252	63
PLANNED	5/11/2018	7	434	62
PLANNED	5/11/2018	8	8	1
PLANNED	5/11/2018	8	16	2
PLANNED	5/11/2018	2	236	118
PLANNED	5/11/2018	8	8	1
PLANNED	5/11/2018	7	406	58
PLANNED	5/11/2018	5	5	1
PLANNED	5/11/2018	2	702	351
CUSTOMER REQUEST	5/11/2018	31	1,054	34
PLANNED	5/11/2018	4	184	46
PLANNED	5/11/2018	4	4	1
PLANNED	5/11/2018	6	726	121
PLANNED	5/11/2018	1	196	196
PLANNED	5/11/2018	4	4	1
PLANNED	5/11/2018	2	44	22
PLANNED	5/11/2018	8	8	1
PLANNED	5/11/2018	7	1,197	171
PLANNED	5/11/2018	6	366	61
PLANNED	5/11/2018	10	570	57
PLANNED	5/11/2018	3	168	56
PLANNED	5/11/2018	3	189	63

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/11/2018	7	322	46
PLANNED	5/11/2018	8	16	2
PLANNED	5/11/2018	10	830	83
PLANNED	5/11/2018	4	712	178
CUSTOMER REQUEST	5/11/2018	20	860	43
PLANNED	5/11/2018	1	31	31
PLANNED	5/11/2018	3	489	163
PLANNED	5/11/2018	1	58	58
PLANNED	5/11/2018	15	1,140	76
PLANNED	5/11/2018	4	1,800	450
PLANNED	5/11/2018	5	400	80
PLANNED	5/11/2018	3	96	32
PLANNED	5/11/2018	5	455	91
PLANNED	5/11/2018	6	882	147
PLANNED	5/11/2018	22	4,180	190
PLANNED	5/11/2018	13	52	4
PLANNED	5/11/2018	15	1,665	111
PLANNED	5/11/2018	16	1,776	111
PLANNED	5/11/2018	5	45	9
PLANNED	5/11/2018	1	8	8
PLANNED	5/11/2018	4	540	135
PLANNED	5/11/2018	15	1,620	108
PLANNED	5/11/2018	12	2,268	189
PLANNED	5/11/2018	6	1,062	177
CUSTOMER REQUEST	5/11/2018	3	552	184
PLANNED	5/11/2018	5	240	48
PLANNED	5/11/2018	1	317	317
PLANNED	5/11/2018	18	5,850	325
PLANNED	5/11/2018	4	456	114
PLANNED	5/11/2018	3	90	30
PLANNED	5/11/2018	8	1,128	141
PLANNED	5/11/2018	6	162	27
PLANNED	5/11/2018	6	252	42
PLANNED	5/11/2018	4	444	111
PLANNED	5/11/2018	5	340	68
PLANNED	5/11/2018	2	390	195
PLANNED	5/11/2018	1	158	158
PLANNED	5/11/2018	1	158	158
PLANNED	5/11/2018	1	66	66
PLANNED	5/11/2018	1	15	15
PLANNED	5/11/2018	1	40	40
CUSTOMER REQUEST	5/11/2018	7	903	129
CUSTOMER REQUEST	5/11/2018	3	51	17
PLANNED	5/11/2018	1	95	95
PLANNED	5/11/2018	3	27	9
PLANNED	5/11/2018	8	40	5
PLANNED	5/11/2018	16	1,064	77
PLANNED	5/11/2018	14	1,484	106
PLANNED	5/11/2018	2	184	92
PLANNED	5/11/2018	14	2,226	159
CUSTOMER REQUEST	5/11/2018	1	160	160

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/11/2018	1	32	32
PLANNED	5/11/2018	7	616	88
PLANNED	5/11/2018	2	206	103
PLANNED	5/12/2018	2	66	33
CUSTOMER REQUEST	5/12/2018	1	244	244
PLANNED	5/12/2018	1	64	64
CUSTOMER REQUEST	5/12/2018	1	490	490
PLANNED	5/12/2018	3	294	98
PLANNED	5/12/2018	17	731	43
PLANNED	5/12/2018	1	83	83
PLANNED	5/12/2018	1	170	170
PLANNED	5/12/2018	11	550	50
PLANNED	5/12/2018	1	26	26
PLANNED	5/12/2018	10	1,510	151
PLANNED	5/12/2018	2	18	9
PLANNED	5/12/2018	1	58	58
PLANNED	5/12/2018	1	80	80
PLANNED	5/12/2018	7	518	74
PLANNED	5/13/2018	2	418	209
PLANNED	5/13/2018	3	513	171
PLANNED	5/13/2018	1	162	162
PLANNED	5/13/2018	3	342	114
CUSTOMER REQUEST	5/13/2018	1	272	272
PLANNED	5/13/2018	1	423	423
PLANNED	5/13/2018	1	70	70
PLANNED	5/14/2018	1	101	101
PLANNED	5/14/2018	13	6,409	493
PLANNED	5/14/2018	34	2,414	71
Tornado	5/14/2018	18	162	9
Tornado	5/14/2018	1	236	236
Tornado	5/14/2018	3	267	89
PLANNED	5/14/2018	1	77	77
Tornado	5/14/2018	12	1,140	95
PLANNED	5/14/2018	1	318	318
Tornado	5/14/2018	10	290	29
Tornado	5/14/2018	11	1,122	102
CUSTOMER REQUEST	5/14/2018	1	173	173
CUSTOMER REQUEST	5/14/2018	7	301	43
PLANNED	5/14/2018	9	1,134	126
PLANNED	5/14/2018	8	880	110
PLANNED	5/14/2018	7	665	95
PLANNED	5/14/2018	4	472	118
Tornado	5/14/2018	1	21	21
PLANNED	5/14/2018	33	2,871	87
Tornado	5/14/2018	2	264	132
Tornado	5/14/2018	11	946	86
Tornado	5/14/2018	38	8,170	215
Tornado	5/14/2018	31	2,170	70
Tornado	5/14/2018	5	835	167
Tornado	5/14/2018	10	1,960	196
PLANNED	5/14/2018	19	1,387	73

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
Tornado	5/14/2018	3	441	147
PLANNED	5/14/2018	9	99	11
PLANNED	5/14/2018	11	253	23
PLANNED	5/14/2018	17	969	57
PLANNED	5/14/2018	1	86	86
PLANNED	5/14/2018	11	220	20
Tornado	5/14/2018	9	180	20
Tornado	5/14/2018	5	95	19
PLANNED	5/14/2018	1	169	169
Tornado	5/14/2018	9	522	58
PLANNED	5/14/2018	2	350	175
PLANNED	5/14/2018	1	1,709	1,709
PLANNED	5/14/2018	17	4,590	270
PLANNED	5/15/2018	1	63	63
PLANNED	5/15/2018	1	74	74
PLANNED	5/15/2018	2	682	341
PLANNED	5/15/2018	1	201	201
PLANNED	5/15/2018	4	560	140
PLANNED	5/15/2018	6	690	115
PLANNED	5/15/2018	6	1,158	193
PLANNED	5/15/2018	34	2,992	88
PLANNED	5/15/2018	34	2,652	78
PLANNED	5/15/2018	34	3,808	112
CUSTOMER REQUEST	5/15/2018	3	1,185	395
PLANNED	5/15/2018	4	224	56
CUSTOMER REQUEST	5/15/2018	8	56	7
PLANNED	5/15/2018	7	77	11
PLANNED	5/15/2018	5	495	99
PLANNED	5/15/2018	1	236	236
PLANNED	5/15/2018	4	488	122
PLANNED	5/15/2018	12	792	66
CUSTOMER REQUEST	5/15/2018	48	3,888	81
PLANNED	5/15/2018	1	274	274
PLANNED	5/15/2018	1	45	45
PLANNED	5/15/2018	6	402	67
PLANNED	5/15/2018	9	1,080	120
PLANNED	5/15/2018	4	96	24
PLANNED	5/15/2018	1	16	16
PLANNED	5/15/2018	2	532	266
PLANNED	5/15/2018	2	56	28
PLANNED	5/15/2018	42	1,050	25
PLANNED	5/15/2018	1	504	504
PLANNED	5/15/2018	11	143	13
PLANNED	5/15/2018	5	1,735	347
PLANNED	5/15/2018	8	1,344	168
PLANNED	5/15/2018	10	390	39
PLANNED	5/15/2018	4	612	153
PLANNED	5/15/2018	287	5,796	88
PLANNED	5/15/2018	1	157	157
PLANNED	5/15/2018	4	572	143
CUSTOMER REQUEST	5/15/2018	9	27	3

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/15/2018	1	116	116
PLANNED	5/15/2018	5	1,495	299
PLANNED	5/15/2018	1	284	284
PLANNED	5/15/2018	26	3,926	151
PLANNED	5/15/2018	6	672	112
PLANNED	5/15/2018	2	140	70
PLANNED	5/15/2018	1	97	97
PLANNED	5/15/2018	4	236	59
PLANNED	5/15/2018	8	1,416	177
PLANNED	5/15/2018	13	26	2
PLANNED	5/15/2018	16	1,456	91
PLANNED	5/15/2018	2	142	71
PLANNED	5/15/2018	10	940	94
CUSTOMER REQUEST	5/15/2018	6	222	37
PLANNED	5/15/2018	1	195	195
PLANNED	5/15/2018	13	3,276	252
PLANNED	5/15/2018	17	2,125	125
CUSTOMER REQUEST	5/15/2018	3	93	31
PLANNED	5/15/2018	1	30	30
PLANNED	5/15/2018	1	227	227
PLANNED	5/15/2018	4	188	47
PLANNED	5/15/2018	2	88	44
PLANNED	5/15/2018	20	2,140	107
PLANNED	5/15/2018	5	200	40
PLANNED	5/15/2018	7	168	24
PLANNED	5/15/2018	5	345	69
CUSTOMER REQUEST	5/15/2018	1	36	36
PLANNED	5/15/2018	2	150	75
PLANNED	5/15/2018	6	804	134
CUSTOMER REQUEST	5/15/2018	1	489	489
PLANNED	5/15/2018	7	2,065	295
PLANNED	5/15/2018	31	4,495	145
PLANNED	5/15/2018	3	411	137
PLANNED	5/15/2018	4	72	18
PLANNED	5/15/2018	1	224	224
PLANNED	5/15/2018	2	60	30
PLANNED	5/15/2018	2	64	32
PLANNED	5/15/2018	1	39	39
CUSTOMER REQUEST	5/15/2018	5	110	22
PLANNED	5/15/2018	10	920	92
CUSTOMER REQUEST	5/15/2018	1	124	124
PLANNED	5/15/2018	5	100	20
PLANNED	5/15/2018	1	70	70
PLANNED	5/15/2018	2	170	85
PLANNED	5/15/2018	12	1,500	125
PLANNED	5/15/2018	8	24	3
PLANNED	5/15/2018	7	875	125
PLANNED	5/15/2018	2	152	76
PLANNED	5/15/2018	2	148	74
PLANNED	5/15/2018	4	188	47
PLANNED	5/15/2018	3	324	108

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	5/15/2018	1	121	121
PLANNED	5/15/2018	1	40	40
CUSTOMER REQUEST	5/15/2018	10	230	23
PLANNED	5/15/2018	18	1,620	90
PLANNED	5/15/2018	1	52	52
PLANNED	5/15/2018	16	3,952	247
PLANNED	5/16/2018	5	910	182
PLANNED	5/16/2018	1	127	127
PLANNED	5/16/2018	1	100	100
PLANNED	5/16/2018	7	602	86
PLANNED	5/16/2018	9	2,565	285
PLANNED	5/16/2018	12	72	6
PLANNED	5/16/2018	34	3,434	101
PLANNED	5/16/2018	16	1,840	115
PLANNED	5/16/2018	2	148	74
PLANNED	5/16/2018	1	73	73
PLANNED	5/16/2018	1	67	67
PLANNED	5/16/2018	6	864	144
PLANNED	5/16/2018	1	140	140
PLANNED	5/16/2018	11	1,419	129
PLANNED	5/16/2018	6	936	156
PLANNED	5/16/2018	1	213	213
PLANNED	5/16/2018	6	756	126
CUSTOMER REQUEST	5/16/2018	10	40	4
PLANNED	5/16/2018	12	756	63
PLANNED	5/16/2018	5	180	36
CUSTOMER REQUEST	5/16/2018	6	510	85
PLANNED	5/16/2018	4	52	13
PLANNED	5/16/2018	6	306	51
PLANNED	5/16/2018	2	146	73
PLANNED	5/16/2018	4	704	176
PLANNED	5/16/2018	11	2,508	228
PLANNED	5/16/2018	1	424	424
PLANNED	5/16/2018	2	6	3
PLANNED	5/16/2018	4	320	80
PLANNED	5/16/2018	2	172	86
PLANNED	5/16/2018	7	364	52
PLANNED	5/16/2018	1	213	213
PLANNED	5/16/2018	2	500	250
PLANNED	5/16/2018	12	2,748	229
PLANNED	5/16/2018	4	564	141
PLANNED	5/16/2018	40	3,600	90
PLANNED	5/16/2018	7	2,170	310
PLANNED	5/16/2018	3	483	161
PLANNED	5/16/2018	8	16	2
PLANNED	5/16/2018	1	36	36
PLANNED	5/16/2018	2	228	114
PLANNED	5/16/2018	7	602	86
PLANNED	5/16/2018	7	889	127
PLANNED	5/16/2018	8	416	52
PLANNED	5/16/2018	10	230	23

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/16/2018	6	72	12
PLANNED	5/16/2018	7	56	8
PLANNED	5/16/2018	10	210	21
PLANNED	5/16/2018	7	798	114
PLANNED	5/16/2018	4	392	98
PLANNED	5/16/2018	4	228	57
PLANNED	5/16/2018	10	590	59
PLANNED	5/16/2018	4	8	2
PLANNED	5/16/2018	4	204	51
CUSTOMER REQUEST	5/16/2018	4	196	49
PLANNED	5/16/2018	2	38	19
PLANNED	5/16/2018	3	855	285
PLANNED	5/16/2018	2	140	70
PLANNED	5/16/2018	1	257	257
PLANNED	5/16/2018	13	728	56
PLANNED	5/16/2018	6	726	121
PLANNED	5/16/2018	9	225	25
PLANNED	5/16/2018	6	588	98
PLANNED	5/16/2018	1	91	91
PLANNED	5/16/2018	7	385	55
PLANNED	5/16/2018	5	165	33
PLANNED	5/16/2018	393	7,074	18
CUSTOMER REQUEST	5/16/2018	1	26	26
PLANNED	5/16/2018	3	93	31
PLANNED	5/16/2018	3	90	30
PLANNED	5/16/2018	9	603	67
CUSTOMER REQUEST	5/16/2018	2	178	89
PLANNED	5/16/2018	18	1,566	87
PLANNED	5/16/2018	2	44	22
PLANNED	5/16/2018	2	150	75
PLANNED	5/16/2018	2	228	114
PLANNED	5/16/2018	8	392	49
PLANNED	5/16/2018	2	68	34
PLANNED	5/16/2018	2	162	81
PLANNED	5/16/2018	10	740	74
PLANNED	5/16/2018	2	176	88
PLANNED	5/16/2018	4	88	22
PLANNED	5/16/2018	1	21	21
PLANNED	5/16/2018	8	512	64
PLANNED	5/16/2018	4	56	14
PLANNED	5/16/2018	2	154	77
PLANNED	5/16/2018	3	138	46
PLANNED	5/16/2018	2	110	55
PLANNED	5/16/2018	1	37	37
PLANNED	5/16/2018	2	240	120
PLANNED	5/16/2018	1	249	249
PLANNED	5/16/2018	3	660	220
CUSTOMER REQUEST	5/16/2018	12	624	52
PLANNED	5/16/2018	2	24	12
PLANNED	5/16/2018	1	41	41
PLANNED	5/16/2018	36	6,408	178

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/16/2018	4	288	72
PLANNED	5/16/2018	1	675	675
PLANNED	5/17/2018	8	1,432	179
PLANNED	5/17/2018	8	880	110
PLANNED	5/17/2018	4	276	69
PLANNED	5/17/2018	2	104	52
PLANNED	5/17/2018	19	912	48
PLANNED	5/17/2018	8	1,304	163
PLANNED	5/17/2018	2	54	27
PLANNED	5/17/2018	2	532	266
PLANNED	5/17/2018	9	3,501	389
PLANNED	5/17/2018	5	260	52
PLANNED	5/17/2018	7	630	90
PLANNED	5/17/2018	4	496	124
CUSTOMER REQUEST	5/17/2018	15	3,015	201
PLANNED	5/17/2018	5	170	34
PLANNED	5/17/2018	2	76	38
PLANNED	5/17/2018	4	116	29
PLANNED	5/17/2018	3	258	86
PLANNED	5/17/2018	19	152	8
PLANNED	5/17/2018	1	539	539
CUSTOMER REQUEST	5/17/2018	21	7,602	362
PLANNED	5/17/2018	1	34	34
PLANNED	5/17/2018	4	348	87
PLANNED	5/17/2018	3	762	254
PLANNED	5/17/2018	3	483	161
PLANNED	5/17/2018	1	262	262
PLANNED	5/17/2018	2	288	144
PLANNED	5/17/2018	10	790	79
PLANNED	5/17/2018	12	1,512	126
PLANNED	5/17/2018	12	420	35
PLANNED	5/17/2018	1	30	30
PLANNED	5/17/2018	8	912	114
PLANNED	5/17/2018	3	324	108
PLANNED	5/17/2018	9	549	61
PLANNED	5/17/2018	6	450	75
PLANNED	5/17/2018	8	1,040	130
PLANNED	5/17/2018	6	240	40
PLANNED	5/17/2018	7	1,834	262
CUSTOMER REQUEST	5/17/2018	1	48	48
PLANNED	5/17/2018	14	1,596	114
PLANNED	5/17/2018	1	96	96
PLANNED	5/17/2018	2	268	134
PLANNED	5/17/2018	11	1,703	165
PLANNED	5/17/2018	3	120	40
PLANNED	5/17/2018	3	461	165
CUSTOMER REQUEST	5/17/2018	6	132	22
PLANNED	5/17/2018	1	37	37
PLANNED	5/17/2018	2	20	10
PLANNED	5/17/2018	8	248	31
PLANNED	5/17/2018	2	470	235

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/17/2018	10	410	41
PLANNED	5/17/2018	5	1,315	263
PLANNED	5/17/2018	6	456	76
PLANNED	5/17/2018	15	1,110	74
PLANNED	5/17/2018	10	570	57
PLANNED	5/17/2018	5	165	33
PLANNED	5/17/2018	13	1,235	95
PLANNED	5/17/2018	11	187	17
PLANNED	5/17/2018	15	1,200	80
CUSTOMER REQUEST	5/17/2018	7	84	12
PLANNED	5/17/2018	2	202	101
PLANNED	5/17/2018	6	402	67
PLANNED	5/17/2018	3	270	90
PLANNED	5/17/2018	4	592	148
PLANNED	5/17/2018	7	609	87
PLANNED	5/17/2018	7	595	85
PLANNED	5/17/2018	7	616	88
PLANNED	5/17/2018	8	376	47
CUSTOMER REQUEST	5/17/2018	6	30	5
PLANNED	5/17/2018	8	496	62
PLANNED	5/17/2018	5	75	15
CUSTOMER REQUEST	5/17/2018	5	65	13
PLANNED	5/17/2018	7	63	9
CUSTOMER REQUEST	5/17/2018	4	260	65
PLANNED	5/17/2018	2	48	24
CUSTOMER REQUEST	5/17/2018	37	555	15
PLANNED	5/17/2018	4	328	82
PLANNED	5/17/2018	6	420	70
PLANNED	5/17/2018	1	75	75
PLANNED	5/17/2018	2	248	124
PLANNED	5/17/2018	8	248	31
PLANNED	5/17/2018	10	2,570	257
PLANNED	5/18/2018	6	942	157
PLANNED	5/18/2018	21	6,363	303
PLANNED	5/18/2018	4	236	59
PLANNED	5/18/2018	1	303	303
PLANNED	5/18/2018	1	23	23
PLANNED	5/18/2018	4	132	33
PLANNED	5/18/2018	16	1,568	98
PLANNED	5/18/2018	1	117	117
PLANNED	5/18/2018	8	2,368	296
PLANNED	5/18/2018	2	78	39
PLANNED	5/18/2018	2	110	55
PLANNED	5/18/2018	3	639	213
PLANNED	5/18/2018	3	636	212
PLANNED	5/18/2018	16	2,576	161
PLANNED	5/18/2018	7	1,197	171
PLANNED	5/18/2018	2	128	64
PLANNED	5/18/2018	3	189	63
PLANNED	5/18/2018	1	147	147
PLANNED	5/18/2018	2	642	321

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/18/2018	12	456	38
PLANNED	5/18/2018	8	616	77
PLANNED	5/18/2018	8	760	95
PLANNED	5/18/2018	5	1,110	222
PLANNED	5/18/2018	3	315	105
PLANNED	5/18/2018	50	2,950	59
PLANNED	5/18/2018	3	69	23
CUSTOMER REQUEST	5/18/2018	7	28	4
PLANNED	5/18/2018	6	264	44
PLANNED	5/18/2018	5	500	100
PLANNED	5/18/2018	2	28	14
PLANNED	5/18/2018	1	17	17
PLANNED	5/18/2018	11	319	29
PLANNED	5/18/2018	41	4,141	101
PLANNED	5/18/2018	1	5	5
PLANNED	5/18/2018	5	215	43
PLANNED	5/18/2018	8	936	117
PLANNED	5/18/2018	5	1,615	323
PLANNED	5/18/2018	2	214	107
PLANNED	5/18/2018	5	175	35
PLANNED	5/18/2018	173	1,903	11
PLANNED	5/18/2018	2	64	32
PLANNED	5/18/2018	4	516	129
PLANNED	5/18/2018	2	62	31
PLANNED	5/18/2018	3	615	205
PLANNED	5/18/2018	3	141	47
PLANNED	5/18/2018	5	445	89
PLANNED	5/18/2018	7	903	129
PLANNED	5/18/2018	5	170	34
PLANNED	5/18/2018	17	323	19
PLANNED	5/18/2018	14	1,596	114
PLANNED	5/18/2018	8	287	59
PLANNED	5/18/2018	1	126	126
PLANNED	5/18/2018	5	1,250	250
PLANNED	5/18/2018	8	1,256	157
PLANNED	5/18/2018	11	374	34
PLANNED	5/18/2018	1	2	2
PLANNED	5/18/2018	1	14	14
PLANNED	5/18/2018	3	198	66
PLANNED	5/18/2018	6	174	29
CUSTOMER REQUEST	5/18/2018	1	73	73
CUSTOMER REQUEST	5/18/2018	5	160	32
CUSTOMER REQUEST	5/18/2018	2	12	6
PLANNED	5/18/2018	13	533	41
PLANNED	5/19/2018	3	312	104
PLANNED	5/19/2018	1	107	107
PLANNED	5/19/2018	19	1,246	82
PLANNED	5/19/2018	44	5,192	118
PLANNED	5/19/2018	4	1,392	348
PLANNED	5/19/2018	2	68	34
PLANNED	5/19/2018	16	256	16

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/19/2018	7	98	14
CUSTOMER REQUEST	5/19/2018	34	7,922	233
PLANNED	5/19/2018	59	295	5
PLANNED	5/19/2018	4	332	83
CUSTOMER REQUEST	5/19/2018	1	135	135
CUSTOMER REQUEST	5/19/2018	1	189	189
PLANNED	5/19/2018	8	264	33
PLANNED	5/20/2018	4	408	102
PLANNED	5/20/2018	1	316	316
PLANNED	5/21/2018	1	131	131
PLANNED	5/21/2018	13	1,474	202
PLANNED	5/21/2018	10	970	97
PLANNED	5/21/2018	8	88	11
PLANNED	5/21/2018	3	219	73
PLANNED	5/21/2018	13	676	52
PLANNED	5/21/2018	17	969	57
PLANNED	5/21/2018	15	1,290	86
PLANNED	5/21/2018	14	1,162	83
PLANNED	5/21/2018	12	2,088	174
PLANNED	5/21/2018	6	918	153
CUSTOMER REQUEST	5/21/2018	6	2,016	336
PLANNED	5/21/2018	2	148	74
PLANNED	5/21/2018	9	945	105
PLANNED	5/21/2018	2	222	111
PLANNED	5/21/2018	5	890	178
PLANNED	5/21/2018	1	160	160
PLANNED	5/21/2018	8	768	96
PLANNED	5/21/2018	7	693	99
PLANNED	5/21/2018	3	426	142
CUSTOMER REQUEST	5/21/2018	2	1,208	604
PLANNED	5/21/2018	6	138	23
PLANNED	5/21/2018	7	112	16
PLANNED	5/21/2018	1	42	42
PLANNED	5/21/2018	2	334	167
PLANNED	5/21/2018	16	1,024	64
PLANNED	5/21/2018	14	1,092	78
PLANNED	5/21/2018	3	246	82
PLANNED	5/21/2018	9	738	82
PLANNED	5/21/2018	1	43	43
PLANNED	5/21/2018	5	40	8
PLANNED	5/21/2018	10	1,040	104
PLANNED	5/21/2018	173	16,781	97
PLANNED	5/21/2018	21	651	31
PLANNED	5/21/2018	20	100	5
PLANNED	5/21/2018	2	40	20
PLANNED	5/21/2018	4	312	78
PLANNED	5/21/2018	1	124	124
PLANNED	5/21/2018	1	118	118
PLANNED	5/21/2018	10	1,420	142
PLANNED	5/21/2018	11	770	70
PLANNED	5/21/2018	5	785	157

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/21/2018	5	760	152
PLANNED	5/21/2018	12	792	66
CUSTOMER REQUEST	5/21/2018	3	45	15
PLANNED	5/21/2018	21	1,848	88
PLANNED	5/21/2018	9	207	23
CUSTOMER REQUEST	5/21/2018	7	182	26
PLANNED	5/21/2018	2	24	12
PLANNED	5/21/2018	5	885	177
CUSTOMER REQUEST	5/21/2018	1	14	14
PLANNED	5/21/2018	2	154	77
PLANNED	5/21/2018	2	452	226
PLANNED	5/21/2018	1	98	98
PLANNED	5/21/2018	64	8,000	125
PLANNED	5/21/2018	3	276	92
PLANNED	5/21/2018	3	732	244
PLANNED	5/21/2018	9	378	42
PLANNED	5/21/2018	1	148	148
PLANNED	5/21/2018	6	1,062	177
PLANNED	5/21/2018	6	468	78
PLANNED	5/21/2018	12	744	62
PLANNED	5/21/2018	1	45	45
PLANNED	5/21/2018	7	553	79
PLANNED	5/21/2018	6	342	57
CUSTOMER REQUEST	5/21/2018	5	70	14
CUSTOMER REQUEST	5/21/2018	4	272	68
PLANNED	5/21/2018	1	73	73
PLANNED	5/21/2018	3	1,401	467
PLANNED	5/21/2018	6	126	21
PLANNED	5/21/2018	4	276	69
PLANNED	5/21/2018	4	780	195
PLANNED	5/21/2018	1	50	50
PLANNED	5/21/2018	2	64	32
PLANNED	5/21/2018	3	291	97
PLANNED	5/21/2018	2	214	107
PLANNED	5/21/2018	8	608	76
CUSTOMER REQUEST	5/21/2018	5	185	37
PLANNED	5/21/2018	8	568	71
PLANNED	5/21/2018	1	40	40
PLANNED	5/21/2018	6	420	70
PLANNED	5/21/2018	7	1,372	196
CUSTOMER REQUEST	5/21/2018	58	8,294	143
PLANNED	5/21/2018	4	24	6
PLANNED	5/21/2018	11	385	35
PLANNED	5/21/2018	3	132	44
CUSTOMER REQUEST	5/21/2018	17	2,142	126
PLANNED	5/21/2018	20	240	12
PLANNED	5/21/2018	7	1,596	228
PLANNED	5/21/2018	7	1,680	240
PLANNED	5/21/2018	2	496	248
PLANNED	5/21/2018	1	126	126
PLANNED	5/21/2018	5	225	45

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/21/2018	3	222	74
PLANNED	5/21/2018	5	1,200	240
PLANNED	5/21/2018	6	234	39
PLANNED	5/21/2018	1	45	45
PLANNED	5/21/2018	4	180	45
PLANNED	5/21/2018	2	94	47
CUSTOMER REQUEST	5/22/2018	4	860	215
PLANNED	5/22/2018	21	2,667	127
PLANNED	5/22/2018	2	496	248
PLANNED	5/22/2018	1	103	103
PLANNED	5/22/2018	2	570	285
PLANNED	5/22/2018	8	376	47
PLANNED	5/22/2018	1	116	116
PLANNED	5/22/2018	1	289	289
PLANNED	5/22/2018	18	3,672	204
CUSTOMER REQUEST	5/22/2018	10	80	8
PLANNED	5/22/2018	16	2,896	181
PLANNED	5/22/2018	9	207	23
CUSTOMER REQUEST	5/22/2018	5	230	46
CUSTOMER REQUEST	5/22/2018	1	44	44
PLANNED	5/22/2018	4	436	109
PLANNED	5/22/2018	1	117	117
PLANNED	5/22/2018	9	1,422	158
PLANNED	5/22/2018	4	100	25
PLANNED	5/22/2018	8	1,184	148
CUSTOMER REQUEST	5/22/2018	28	252	9
PLANNED	5/22/2018	10	1,030	103
PLANNED	5/22/2018	7	490	70
PLANNED	5/22/2018	6	768	128
PLANNED	5/22/2018	2	286	143
PLANNED	5/22/2018	7	637	91
CUSTOMER REQUEST	5/22/2018	8	16	2
PLANNED	5/22/2018	9	171	19
PLANNED	5/22/2018	1	136	136
PLANNED	5/22/2018	1	14	14
PLANNED	5/22/2018	7	259	37
PLANNED	5/22/2018	5	885	177
CUSTOMER REQUEST	5/22/2018	6	12	2
CUSTOMER REQUEST	5/22/2018	1	37	37
PLANNED	5/22/2018	1	311	311
PLANNED	5/22/2018	7	301	43
PLANNED	5/22/2018	1	103	103
PLANNED	5/22/2018	2	226	113
PLANNED	5/22/2018	29	3,161	109
CUSTOMER REQUEST	5/22/2018	7	105	15
PLANNED	5/22/2018	1	32	32
PLANNED	5/22/2018	3	261	87
PLANNED	5/22/2018	1	463	463
PLANNED	5/22/2018	4	32	8
PLANNED	5/22/2018	1	98	98
CUSTOMER REQUEST	5/22/2018	15	5,040	336

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/22/2018	5	110	22
PLANNED	5/22/2018	26	2,080	80
PLANNED	5/22/2018	5	495	99
PLANNED	5/22/2018	7	917	131
PLANNED	5/22/2018	15	3,960	264
PLANNED	5/22/2018	6	366	61
PLANNED	5/22/2018	3	549	183
PLANNED	5/22/2018	8	1,992	249
PLANNED	5/22/2018	1	117	117
PLANNED	5/22/2018	3	594	198
PLANNED	5/22/2018	1	103	103
PLANNED	5/22/2018	16	800	50
CUSTOMER REQUEST	5/22/2018	6	318	53
PLANNED	5/22/2018	1	42	42
PLANNED	5/22/2018	11	2,211	201
PLANNED	5/22/2018	1	204	204
PLANNED	5/22/2018	1	163	163
PLANNED	5/22/2018	3	126	42
PLANNED	5/22/2018	1	157	157
PLANNED	5/22/2018	9	765	85
PLANNED	5/22/2018	4	360	90
PLANNED	5/22/2018	12	768	64
PLANNED	5/22/2018	6	612	102
PLANNED	5/22/2018	3	117	39
PLANNED	5/22/2018	10	520	52
PLANNED	5/22/2018	5	5	1
PLANNED	5/22/2018	9	243	27
PLANNED	5/22/2018	9	702	78
PLANNED	5/22/2018	22	2,134	97
PLANNED	5/22/2018	6	48	8
CUSTOMER REQUEST	5/22/2018	7	28	4
PLANNED	5/22/2018	1	130	130
PLANNED	5/22/2018	5	870	174
PLANNED	5/22/2018	1	32	32
PLANNED	5/22/2018	2	90	45
PLANNED	5/22/2018	8	192	24
PLANNED	5/22/2018	7	938	134
PLANNED	5/22/2018	20	1,480	74
PLANNED	5/22/2018	5	65	13
CUSTOMER REQUEST	5/22/2018	4	132	33
PLANNED	5/22/2018	4	212	53
PLANNED	5/22/2018	12	1,452	121
PLANNED	5/22/2018	3	69	23
PLANNED	5/22/2018	2	20	10
PLANNED	5/22/2018	8	72	9
PLANNED	5/22/2018	2	104	52
PLANNED	5/22/2018	1	13	13
CUSTOMER REQUEST	5/22/2018	4	44	11
PLANNED	5/22/2018	8	264	33
PLANNED	5/22/2018	24	7,488	312
PLANNED	5/22/2018	3	114	38

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/22/2018	8	272	34
PLANNED	5/22/2018	1	64	64
PLANNED	5/22/2018	3	336	112
CUSTOMER REQUEST	5/22/2018	21	420	20
PLANNED	5/22/2018	17	2,346	138
PLANNED	5/22/2018	1	54	54
PLANNED	5/22/2018	3	42	14
PLANNED	5/22/2018	2	18	9
PLANNED	5/22/2018	4	448	112
PLANNED	5/22/2018	2	334	167
PLANNED	5/22/2018	3	942	314
PLANNED	5/22/2018	1	280	280
PLANNED	5/22/2018	2	186	93
PLANNED	5/22/2018	15	3,945	263
PLANNED	5/22/2018	3	840	280
PLANNED	5/22/2018	2	128	64
PLANNED	5/22/2018	2	530	265
PLANNED	5/23/2018	1	230	230
PLANNED	5/23/2018	1	289	289
PLANNED	5/23/2018	1	45	45
PLANNED	5/23/2018	3	93	31
PLANNED	5/23/2018	7	238	34
PLANNED	5/23/2018	8	272	34
PLANNED	5/23/2018	1	85	85
PLANNED	5/23/2018	22	220	10
PLANNED	5/23/2018	1	135	135
PLANNED	5/23/2018	4	332	83
PLANNED	5/23/2018	8	1,032	129
PLANNED	5/23/2018	3	405	135
PLANNED	5/23/2018	1	374	374
PLANNED	5/23/2018	1	147	147
PLANNED	5/23/2018	2	516	258
PLANNED	5/23/2018	10	2,010	201
PLANNED	5/23/2018	29	5,858	202
PLANNED	5/23/2018	2	160	80
PLANNED	5/23/2018	7	266	38
CUSTOMER REQUEST	5/23/2018	8	520	65
CUSTOMER REQUEST	5/23/2018	9	126	14
PLANNED	5/23/2018	7	770	110
PLANNED	5/23/2018	20	980	49
PLANNED	5/23/2018	8	800	100
PLANNED	5/23/2018	9	36	4
PLANNED	5/23/2018	1	16	16
PLANNED	5/23/2018	2	146	73
PLANNED	5/23/2018	16	1,872	117
PLANNED	5/23/2018	6	1,650	275
PLANNED	5/23/2018	24	72	3
PLANNED	5/23/2018	1	41	41
PLANNED	5/23/2018	1	44	44
PLANNED	5/23/2018	2	330	165
CUSTOMER REQUEST	5/23/2018	31	17,112	552

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/23/2018	9	1,125	125
PLANNED	5/23/2018	1	184	184
PLANNED	5/23/2018	6	360	60
CUSTOMER REQUEST	5/23/2018	7	35	5
PLANNED	5/23/2018	3	1,851	617
PLANNED	5/23/2018	2	268	134
PLANNED	5/23/2018	8	240	30
CUSTOMER REQUEST	5/23/2018	10	260	26
PLANNED	5/23/2018	6	576	96
PLANNED	5/23/2018	9	666	74
PLANNED	5/23/2018	2	458	229
PLANNED	5/23/2018	12	2,052	171
PLANNED	5/23/2018	2	260	130
PLANNED	5/23/2018	7	903	129
PLANNED	5/23/2018	12	1,704	142
PLANNED	5/23/2018	1	6	6
PLANNED	5/23/2018	4	728	182
CUSTOMER REQUEST	5/23/2018	9	81	9
PLANNED	5/23/2018	2	114	57
PLANNED	5/23/2018	1	62	62
PLANNED	5/23/2018	14	1,386	99
PLANNED	5/23/2018	13	221	17
PLANNED	5/23/2018	2	190	95
PLANNED	5/23/2018	1	136	136
CUSTOMER REQUEST	5/23/2018	2	684	342
PLANNED	5/23/2018	5	430	86
PLANNED	5/23/2018	2	344	172
PLANNED	5/23/2018	25	248	224
PLANNED	5/23/2018	3	471	157
PLANNED	5/23/2018	11	2,145	195
CUSTOMER REQUEST	5/23/2018	2	84	42
PLANNED	5/23/2018	1	100	100
PLANNED	5/23/2018	8	840	105
PLANNED	5/23/2018	6	384	64
PLANNED	5/23/2018	2	238	119
PLANNED	5/23/2018	10	2,230	223
PLANNED	5/23/2018	9	693	77
PLANNED	5/23/2018	5	1,750	350
PLANNED	5/23/2018	5	160	32
PLANNED	5/23/2018	1	378	378
PLANNED	5/23/2018	12	2,664	222
PLANNED	5/23/2018	4	416	104
PLANNED	5/23/2018	5	220	44
PLANNED	5/23/2018	2	110	55
PLANNED	5/23/2018	3	141	47
PLANNED	5/23/2018	5	1,640	328
PLANNED	5/23/2018	4	312	78
PLANNED	5/23/2018	10	840	84
PLANNED	5/23/2018	6	336	56
PLANNED	5/23/2018	11	187	17
PLANNED	5/23/2018	8	1,000	125

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/23/2018	33	6,930	210
PLANNED	5/23/2018	8	1,464	183
CUSTOMER REQUEST	5/23/2018	1	384	384
PLANNED	5/23/2018	10	1,130	113
PLANNED	5/23/2018	12	1,560	130
PLANNED	5/23/2018	6	1,500	250
PLANNED	5/23/2018	1	201	201
PLANNED	5/23/2018	13	793	61
PLANNED	5/23/2018	7	189	27
PLANNED	5/23/2018	2	104	52
PLANNED	5/23/2018	10	680	68
PLANNED	5/23/2018	6	96	16
PLANNED	5/23/2018	6	1,026	171
PLANNED	5/23/2018	1	107	107
PLANNED	5/23/2018	4	116	29
PLANNED	5/23/2018	1	15	15
PLANNED	5/23/2018	4	288	72
PLANNED	5/23/2018	11	231	21
PLANNED	5/23/2018	6	522	87
PLANNED	5/23/2018	7	714	102
PLANNED	5/23/2018	7	553	79
CUSTOMER REQUEST	5/23/2018	2	88	44
PLANNED	5/23/2018	12	828	69
PLANNED	5/23/2018	1	79	79
PLANNED	5/23/2018	4	232	58
PLANNED	5/23/2018	1	40	40
PLANNED	5/23/2018	1	80	80
PLANNED	5/23/2018	4	76	19
PLANNED	5/23/2018	10	550	55
PLANNED	5/23/2018	4	604	151
PLANNED	5/23/2018	8	872	109
PLANNED	5/23/2018	10	1,090	109
PLANNED	5/23/2018	9	738	82
PLANNED	5/23/2018	2	48	24
PLANNED	5/23/2018	1	61	61
PLANNED	5/23/2018	6	420	70
PLANNED	5/23/2018	4	476	119
PLANNED	5/23/2018	8	1,064	133
PLANNED	5/23/2018	33	1,518	46
PLANNED	5/23/2018	8	384	48
PLANNED	5/23/2018	8	400	50
PLANNED	5/23/2018	1	111	111
PLANNED	5/23/2018	3	75	25
PLANNED	5/23/2018	8	1,432	179
CUSTOMER REQUEST	5/23/2018	1	359	359
PLANNED	5/23/2018	9	1,134	126
PLANNED	5/23/2018	2	120	60
PLANNED	5/23/2018	1	111	111
PLANNED	5/23/2018	1	37	37
PLANNED	5/23/2018	5	740	148
PLANNED	5/23/2018	1	163	163

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/23/2018	8	656	82
PLANNED	5/23/2018	1	75	75
PLANNED	5/23/2018	2	244	122
PLANNED	5/23/2018	7	1,925	275
PLANNED	5/23/2018	4	312	78
PLANNED	5/23/2018	1	157	157
PLANNED	5/23/2018	8	256	32
PLANNED	5/23/2018	1	165	165
PLANNED	5/23/2018	1	968	968
CUSTOMER REQUEST	5/23/2018	1	197	197
PLANNED	5/23/2018	2	344	172
PLANNED	5/23/2018	3	285	95
PLANNED	5/23/2018	2	120	60
CUSTOMER REQUEST	5/24/2018	1	616	616
PLANNED	5/24/2018	1	171	171
PLANNED	5/24/2018	1	169	169
PLANNED	5/24/2018	19	3,192	168
PLANNED	5/24/2018	2	152	76
PLANNED	5/24/2018	1	149	149
PLANNED	5/24/2018	1	67	67
PLANNED	5/24/2018	1	68	68
PLANNED	5/24/2018	6	528	88
PLANNED	5/24/2018	1	54	54
PLANNED	5/24/2018	3	135	45
PLANNED	5/24/2018	1	11	11
PLANNED	5/24/2018	6	1,092	182
CUSTOMER REQUEST	5/24/2018	29	5,568	192
PLANNED	5/24/2018	6	474	79
PLANNED	5/24/2018	12	1,080	90
PLANNED	5/24/2018	1	22	22
PLANNED	5/24/2018	11	1,881	171
PLANNED	5/24/2018	3	384	128
PLANNED	5/24/2018	8	224	28
PLANNED	5/24/2018	15	2,460	164
PLANNED	5/24/2018	4	432	108
PLANNED	5/24/2018	11	781	71
PLANNED	5/24/2018	17	2,567	151
CUSTOMER REQUEST	5/24/2018	8	1,272	159
PLANNED	5/24/2018	7	413	59
PLANNED	5/24/2018	4	804	201
PLANNED	5/24/2018	4	432	108
CUSTOMER REQUEST	5/24/2018	22	3,432	156
PLANNED	5/24/2018	16	608	38
PLANNED	5/24/2018	3	549	183
PLANNED	5/24/2018	14	588	42
PLANNED	5/24/2018	2	296	148
CUSTOMER REQUEST	5/24/2018	7	35	5
PLANNED	5/24/2018	17	952	56
CUSTOMER REQUEST	5/24/2018	9	36	4
PLANNED	5/24/2018	14	658	47
PLANNED	5/24/2018	2	94	47

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/24/2018	3	213	71
PLANNED	5/24/2018	12	2,904	242
PLANNED	5/24/2018	13	1,976	152
PLANNED	5/24/2018	1	182	182
PLANNED	5/24/2018	2	352	176
CUSTOMER REQUEST	5/24/2018	8	2,280	285
PLANNED	5/24/2018	1	69	69
PLANNED	5/24/2018	4	516	129
CUSTOMER REQUEST	5/24/2018	17	10,302	606
PLANNED	5/24/2018	13	338	26
PLANNED	5/24/2018	4	48	12
PLANNED	5/24/2018	5	660	132
PLANNED	5/24/2018	4	452	113
PLANNED	5/24/2018	10	1,240	124
PLANNED	5/24/2018	19	1,558	82
PLANNED	5/24/2018	2	242	121
PLANNED	5/24/2018	1	35	35
PLANNED	5/24/2018	1	90	90
PLANNED	5/24/2018	9	72	8
PLANNED	5/24/2018	5	120	24
CUSTOMER REQUEST	5/24/2018	4	584	146
PLANNED	5/24/2018	5	285	57
PLANNED	5/24/2018	19	1,710	90
PLANNED	5/24/2018	1	109	109
CUSTOMER REQUEST	5/24/2018	11	44	4
PLANNED	5/24/2018	21	924	44
PLANNED	5/24/2018	6	132	22
PLANNED	5/24/2018	32	69	38
PLANNED	5/24/2018	5	230	46
PLANNED	5/24/2018	3	411	137
PLANNED	5/24/2018	9	810	90
PLANNED	5/24/2018	7	1,218	174
PLANNED	5/24/2018	1	193	193
PLANNED	5/24/2018	3	732	244
PLANNED	5/24/2018	1	243	243
PLANNED	5/24/2018	1	44	44
PLANNED	5/24/2018	24	1,032	43
PLANNED	5/24/2018	13	128	23
CUSTOMER REQUEST	5/24/2018	3	33	11
PLANNED	5/24/2018	9	117	13
CUSTOMER REQUEST	5/24/2018	2	108	54
PLANNED	5/24/2018	1	46	46
CUSTOMER REQUEST	5/24/2018	1	87	87
PLANNED	5/24/2018	21	924	44
PLANNED	5/24/2018	8	1,376	172
PLANNED	5/24/2018	2	160	80
PLANNED	5/24/2018	1	33	33
PLANNED	5/24/2018	1	20	20
PLANNED	5/24/2018	6	270	45
PLANNED	5/24/2018	10	810	81
PLANNED	5/24/2018	6	120	20

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/24/2018	123	492	4
PLANNED	5/24/2018	2	188	94
PLANNED	5/24/2018	10	1,860	186
PLANNED	5/24/2018	2	72	36
PLANNED	5/24/2018	4	404	101
PLANNED	5/24/2018	6	48	8
PLANNED	5/24/2018	2	50	25
PLANNED	5/24/2018	2	242	121
PLANNED	5/24/2018	17	1,666	98
PLANNED	5/24/2018	1	73	73
PLANNED	5/24/2018	3	90	30
PLANNED	5/24/2018	1	20	20
PLANNED	5/24/2018	1	46	46
CUSTOMER REQUEST	5/24/2018	1	130	130
PLANNED	5/24/2018	1	99	99
PLANNED	5/24/2018	7	91	13
PLANNED	5/24/2018	1	212	212
PLANNED	5/24/2018	2	310	155
PLANNED	5/24/2018	2	332	166
PLANNED	5/24/2018	1	91	91
PLANNED	5/24/2018	7	847	121
PLANNED	5/24/2018	22	5,654	257
PLANNED	5/24/2018	5	830	166
CUSTOMER REQUEST	5/24/2018	1	385	385
PLANNED	5/24/2018	1	52	52
Subtropical Storm	5/25/2018	7	2,835	405
Subtropical Storm	5/25/2018	5	735	147
Subtropical Storm	5/25/2018	1	220	220
Subtropical Storm	5/25/2018	1	47	47
Subtropical Storm	5/25/2018	1	100	100
Subtropical Storm	5/25/2018	33	6,138	186
PLANNED	5/25/2018	13	715	55
Subtropical Storm	5/25/2018	6	1,038	173
Subtropical Storm	5/25/2018	8	328	41
Subtropical Storm	5/25/2018	7	665	95
Subtropical Storm	5/25/2018	3	378	126
PLANNED	5/25/2018	6	318	53
PLANNED	5/25/2018	1	177	177
Subtropical Storm	5/25/2018	14	238	17
Subtropical Storm	5/25/2018	2	90	45
Subtropical Storm	5/25/2018	1	144	144
Subtropical Storm	5/25/2018	14	3,360	240
Subtropical Storm	5/25/2018	12	2,664	222
Subtropical Storm	5/25/2018	8	528	66
Subtropical Storm	5/25/2018	37	6,364	172
Subtropical Storm	5/25/2018	6	336	56
PLANNED	5/25/2018	3	366	122
PLANNED	5/25/2018	2	216	108
Subtropical Storm	5/25/2018	8	504	63
PLANNED	5/25/2018	5	20	4
PLANNED	5/25/2018	4	564	141

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/25/2018	1	324	324
Subtropical Storm	5/25/2018	15	2,370	158
Subtropical Storm	5/25/2018	4	704	176
Subtropical Storm	5/25/2018	2	160	80
Subtropical Storm	5/25/2018	3	798	266
Subtropical Storm	5/25/2018	4	128	32
Subtropical Storm	5/25/2018	1	79	79
PLANNED	5/25/2018	3	195	65
PLANNED	5/25/2018	1	58	58
Subtropical Storm	5/25/2018	6	432	72
PLANNED	5/25/2018	5	400	80
Subtropical Storm	5/25/2018	5	565	113
PLANNED	5/25/2018	4	148	37
Subtropical Storm	5/25/2018	4	484	121
Subtropical Storm	5/25/2018	8	584	73
Subtropical Storm	5/25/2018	2	236	118
Subtropical Storm	5/25/2018	13	507	39
Subtropical Storm	5/25/2018	11	165	15
Subtropical Storm	5/25/2018	6	36	6
Subtropical Storm	5/25/2018	15	1,290	86
PLANNED	5/25/2018	2	390	195
Subtropical Storm	5/25/2018	1	26	26
Subtropical Storm	5/25/2018	47	3,807	81
Subtropical Storm	5/25/2018	2	122	61
PLANNED	5/25/2018	2	138	69
Subtropical Storm	5/25/2018	6	1,056	176
PLANNED	5/25/2018	6	78	13
Subtropical Storm	5/25/2018	4	64	16
Subtropical Storm	5/25/2018	4	48	12
Subtropical Storm	5/25/2018	5	120	24
Subtropical Storm	5/25/2018	6	834	139
Subtropical Storm	5/26/2018	1	346	346
Subtropical Storm	5/26/2018	2	680	340
Subtropical Storm	5/26/2018	2	208	104
Subtropical Storm	5/26/2018	2	96	48
Subtropical Storm	5/26/2018	4	356	89
Subtropical Storm	5/26/2018	3	123	41
Subtropical Storm	5/27/2018	1	31	31
Subtropical Storm	5/27/2018	13	104	8
Subtropical Storm	5/27/2018	14	168	12
Subtropical Storm	5/27/2018	9	297	33
Subtropical Storm	5/27/2018	1	127	127
Subtropical Storm	5/27/2018	39	107	35
Subtropical Storm	5/27/2018	4	84	21
CUSTOMER REQUEST	5/28/2018	1	104	104
PLANNED	5/28/2018	1	103	103
PLANNED	5/28/2018	3	54	18
PLANNED	5/28/2018	1	163	163
CUSTOMER REQUEST	5/28/2018	2	74	37
CUSTOMER REQUEST	5/28/2018	1,403	28,060	20
CUSTOMER REQUEST	5/28/2018	1,265	10,421	15

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	5/28/2018	20	420	21
PLANNED	5/28/2018	2	426	213
CUSTOMER REQUEST	5/29/2018	1	19	19
PLANNED	5/29/2018	2	310	155
PLANNED	5/29/2018	3	450	150
CUSTOMER REQUEST	5/29/2018	1	134	134
PLANNED	5/29/2018	9	666	74
PLANNED	5/29/2018	1	108	108
PLANNED	5/29/2018	2	152	76
PLANNED	5/29/2018	11	891	81
PLANNED	5/29/2018	10	140	14
PLANNED	5/29/2018	1	199	199
PLANNED	5/29/2018	23	5,405	235
PLANNED	5/29/2018	5	795	159
PLANNED	5/29/2018	8	264	33
PLANNED	5/29/2018	57	14,649	257
PLANNED	5/29/2018	5	605	121
CUSTOMER REQUEST	5/29/2018	1	240	240
PLANNED	5/29/2018	1	53	53
PLANNED	5/29/2018	12	804	67
PLANNED	5/29/2018	4	608	152
PLANNED	5/29/2018	1	52	52
PLANNED	5/29/2018	9	549	61
PLANNED	5/29/2018	1	86	86
CUSTOMER REQUEST	5/29/2018	1	90	90
PLANNED	5/29/2018	1	54	54
PLANNED	5/29/2018	1	163	163
PLANNED	5/29/2018	2	138	69
PLANNED	5/29/2018	25	4,875	195
PLANNED	5/29/2018	15	2,235	149
PLANNED	5/29/2018	3	1,005	335
CUSTOMER REQUEST	5/29/2018	1	1	1
PLANNED	5/29/2018	5	870	174
PLANNED	5/29/2018	1	152	152
PLANNED	5/29/2018	5	110	22
PLANNED	5/29/2018	8	400	50
PLANNED	5/29/2018	3	168	56
PLANNED	5/29/2018	5	1,035	207
PLANNED	5/29/2018	2	336	168
PLANNED	5/29/2018	29	5,394	186
PLANNED	5/29/2018	2	382	191
PLANNED	5/29/2018	1	42	42
CUSTOMER REQUEST	5/29/2018	1	19	19
PLANNED	5/29/2018	7	154	22
PLANNED	5/29/2018	2	368	184
PLANNED	5/29/2018	8	136	17
PLANNED	5/29/2018	7	483	69
CUSTOMER REQUEST	5/29/2018	8	16	2
PLANNED	5/29/2018	2	148	74
PLANNED	5/29/2018	7	371	53
PLANNED	5/29/2018	2	102	51

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/29/2018	8	600	75
PLANNED	5/29/2018	15	225	15
PLANNED	5/29/2018	2	68	34
PLANNED	5/29/2018	26	5,356	206
PLANNED	5/29/2018	2	66	33
PLANNED	5/29/2018	2	70	35
PLANNED	5/29/2018	1	25	25
PLANNED	5/29/2018	52	10,504	202
PLANNED	5/29/2018	2	182	91
PLANNED	5/29/2018	7	245	35
PLANNED	5/29/2018	1	93	93
PLANNED	5/29/2018	2	182	91
PLANNED	5/29/2018	7	749	107
PLANNED	5/29/2018	5	640	128
PLANNED	5/29/2018	8	304	38
PLANNED	5/29/2018	4	204	51
PLANNED	5/29/2018	1	228	228
PLANNED	5/29/2018	2	62	31
PLANNED	5/29/2018	6	762	127
PLANNED	5/29/2018	23	2,691	117
PLANNED	5/29/2018	1	71	71
CUSTOMER REQUEST	5/29/2018	1	91	91
CUSTOMER REQUEST	5/29/2018	5	70	14
PLANNED	5/29/2018	1	93	93
PLANNED	5/29/2018	3	285	95
PLANNED	5/29/2018	6	372	62
PLANNED	5/29/2018	1	104	104
CUSTOMER REQUEST	5/29/2018	1	231	231
PLANNED	5/29/2018	2	158	79
PLANNED	5/29/2018	2	256	128
PLANNED	5/29/2018	2	246	123
PLANNED	5/29/2018	27	2,565	95
PLANNED	5/29/2018	28	2,688	96
PLANNED	5/29/2018	6	672	112
CUSTOMER REQUEST	5/29/2018	1	371	371
PLANNED	5/29/2018	6	996	166
PLANNED	5/30/2018	14	1,638	117
PLANNED	5/30/2018	1	126	126
PLANNED	5/30/2018	7	1,421	203
PLANNED	5/30/2018	27	3,159	117
PLANNED	5/30/2018	4	508	127
PLANNED	5/30/2018	1	136	136
PLANNED	5/30/2018	5	2,750	550
PLANNED	5/30/2018	17	1,054	62
PLANNED	5/30/2018	2	210	105
PLANNED	5/30/2018	11	858	78
PLANNED	5/30/2018	12	1,008	84
PLANNED	5/30/2018	3	111	37
PLANNED	5/30/2018	6	48	8
PLANNED	5/30/2018	1	109	109
PLANNED	5/30/2018	12	3,624	302

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/30/2018	30	2,700	90
PLANNED	5/30/2018	3	384	128
CUSTOMER REQUEST	5/30/2018	12	4,620	385
PLANNED	5/30/2018	8	824	103
PLANNED	5/30/2018	8	392	49
PLANNED	5/30/2018	3	1,707	569
CUSTOMER REQUEST	5/30/2018	6	318	53
CUSTOMER REQUEST	5/30/2018	11	3,674	334
PLANNED	5/30/2018	17	833	49
PLANNED	5/30/2018	3	111	37
PLANNED	5/30/2018	8	704	88
CUSTOMER REQUEST	5/30/2018	20	680	34
PLANNED	5/30/2018	2	20	10
PLANNED	5/30/2018	9	1,656	184
PLANNED	5/30/2018	2	130	65
PLANNED	5/30/2018	15	1,200	80
PLANNED	5/30/2018	6	870	145
PLANNED	5/30/2018	10	1,320	132
PLANNED	5/30/2018	4	156	39
PLANNED	5/30/2018	3	717	239
PLANNED	5/30/2018	10	900	90
PLANNED	5/30/2018	3	195	65
PLANNED	5/30/2018	4	328	82
PLANNED	5/30/2018	2	630	315
PLANNED	5/30/2018	7	196	28
CUSTOMER REQUEST	5/30/2018	8	120	15
PLANNED	5/30/2018	13	2,509	193
PLANNED	5/30/2018	18	3,042	169
PLANNED	5/30/2018	4	192	48
PLANNED	5/30/2018	2	72	36
PLANNED	5/30/2018	5	605	121
PLANNED	5/30/2018	9	774	86
PLANNED	5/30/2018	4	76	19
PLANNED	5/30/2018	4	252	63
PLANNED	5/30/2018	1	39	39
CUSTOMER REQUEST	5/30/2018	1	6	6
PLANNED	5/30/2018	2	432	216
PLANNED	5/30/2018	4	924	231
PLANNED	5/30/2018	2	348	174
PLANNED	5/30/2018	2	38	19
PLANNED	5/30/2018	2	342	171
PLANNED	5/30/2018	8	344	43
PLANNED	5/30/2018	11	814	74
PLANNED	5/30/2018	45	5,175	115
PLANNED	5/30/2018	2	64	32
PLANNED	5/30/2018	6	234	39
PLANNED	5/30/2018	7	294	42
PLANNED	5/30/2018	7	364	52
CUSTOMER REQUEST	5/30/2018	1	174	174
PLANNED	5/30/2018	7	126	18
PLANNED	5/30/2018	1	14	14

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/30/2018	4	184	46
PLANNED	5/30/2018	6	258	43
PLANNED	5/30/2018	1	53	53
CUSTOMER REQUEST	5/30/2018	4	276	69
PLANNED	5/30/2018	1	60	60
PLANNED	5/30/2018	17	1,326	78
PLANNED	5/30/2018	6	576	96
PLANNED	5/30/2018	2	106	53
PLANNED	5/30/2018	6	6	1
PLANNED	5/30/2018	1	64	64
PLANNED	5/30/2018	6	174	29
PLANNED	5/30/2018	16	1,696	106
PLANNED	5/30/2018	10	350	35
PLANNED	5/30/2018	11	1,023	93
PLANNED	5/30/2018	7	112	16
PLANNED	5/30/2018	10	10	1
CUSTOMER REQUEST	5/30/2018	49	25,831	567
PLANNED	5/30/2018	19	779	41
CUSTOMER REQUEST	5/30/2018	1	120	120
PLANNED	5/30/2018	1	182	182
PLANNED	5/30/2018	2	286	143
PLANNED	5/30/2018	1	60	60
PLANNED	5/30/2018	6	162	27
PLANNED	5/30/2018	7	357	51
PLANNED	5/30/2018	1	70	70
CUSTOMER REQUEST	5/30/2018	6	246	41
PLANNED	5/30/2018	1	48	48
PLANNED	5/30/2018	1	44	44
PLANNED	5/30/2018	1	178	178
PLANNED	5/30/2018	3	117	39
PLANNED	5/30/2018	2	296	148
PLANNED	5/31/2018	2	434	217
PLANNED	5/31/2018	5	1,805	361
CUSTOMER REQUEST	5/31/2018	3	591	197
PLANNED	5/31/2018	1	64	64
PLANNED	5/31/2018	4	360	90
PLANNED	5/31/2018	11	759	69
PLANNED	5/31/2018	2	240	120
PLANNED	5/31/2018	3	354	118
PLANNED	5/31/2018	97	9,603	99
PLANNED	5/31/2018	1	90	90
PLANNED	5/31/2018	7	1,442	206
PLANNED	5/31/2018	1	31	31
PLANNED	5/31/2018	1	233	233
PLANNED	5/31/2018	1	45	45
PLANNED	5/31/2018	3	234	78
PLANNED	5/31/2018	5	190	38
CUSTOMER REQUEST	5/31/2018	2	64	32
CUSTOMER REQUEST	5/31/2018	1	120	120
CUSTOMER REQUEST	5/31/2018	1	252	252
PLANNED	5/31/2018	3	27	9

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	5/31/2018	6	30	5
PLANNED	5/31/2018	1	60	60
PLANNED	5/31/2018	1	110	110
PLANNED	5/31/2018	4	624	156
PLANNED	5/31/2018	1	43	43
PLANNED	5/31/2018	2	152	76
PLANNED	5/31/2018	1	448	448
PLANNED	5/31/2018	25	7,130	344
PLANNED	5/31/2018	5	155	31
PLANNED	5/31/2018	2	104	52
PLANNED	5/31/2018	3	129	43
PLANNED	5/31/2018	1	55	55
PLANNED	5/31/2018	9	720	80
CUSTOMER REQUEST	5/31/2018	13	104	8
PLANNED	5/31/2018	3	159	53
PLANNED	5/31/2018	9	297	33
PLANNED	5/31/2018	11	6,699	609
PLANNED	5/31/2018	2	140	70
PLANNED	5/31/2018	46	10,166	221
PLANNED	5/31/2018	4	184	46
PLANNED	5/31/2018	2	248	124
PLANNED	5/31/2018	2	114	57
PLANNED	5/31/2018	8	1,048	131
PLANNED	5/31/2018	2	236	118
PLANNED	5/31/2018	5	1,150	230
PLANNED	5/31/2018	1	111	111
PLANNED	5/31/2018	2	40	20
PLANNED	5/31/2018	1	89	89
PLANNED	5/31/2018	1	258	258
PLANNED	5/31/2018	11	605	55
PLANNED	5/31/2018	8	200	25
PLANNED	5/31/2018	2	98	49
PLANNED	5/31/2018	2	394	197
PLANNED	5/31/2018	6	588	98
PLANNED	5/31/2018	7	14	2
PLANNED	5/31/2018	6	420	70
PLANNED	5/31/2018	3	333	111
PLANNED	5/31/2018	4	336	84
PLANNED	5/31/2018	1	16	16
PLANNED	5/31/2018	1	251	251
PLANNED	5/31/2018	7	28	4
CUSTOMER REQUEST	5/31/2018	7	42	6
PLANNED	5/31/2018	9	306	34
CUSTOMER REQUEST	5/31/2018	3	975	325
PLANNED	5/31/2018	17	1,292	76
CUSTOMER REQUEST	5/31/2018	1	87	87
PLANNED	5/31/2018	4	76	19
PLANNED	5/31/2018	3	138	46
PLANNED	5/31/2018	6	48	8
PLANNED	5/31/2018	2	302	151
PLANNED	5/31/2018	8	536	67

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	5/31/2018	1	214	214
PLANNED	5/31/2018	2	192	96
CUSTOMER REQUEST	5/31/2018	5	360	72
PLANNED	5/31/2018	2	62	31
PLANNED	5/31/2018	1	17	17
PLANNED	5/31/2018	6	1,062	177
PLANNED	5/31/2018	1	172	172
PLANNED	5/31/2018	2	448	224
PLANNED	5/31/2018	5	295	59
PLANNED	5/31/2018	2	106	53
PLANNED	5/31/2018	1	98	98
PLANNED	5/31/2018	7	133	19
PLANNED	5/31/2018	12	564	47
PLANNED	5/31/2018	5	185	37
PLANNED	5/31/2018	11	352	32
PLANNED	5/31/2018	3	138	46
PLANNED	5/31/2018	3	471	157
PLANNED	5/31/2018	2	92	46
CUSTOMER REQUEST	5/31/2018	1	155	155
PLANNED	5/31/2018	12	336	28
PLANNED	5/31/2018	29	870	30
PLANNED	5/31/2018	1	107	107
PLANNED	5/31/2018	1	30	30
PLANNED	5/31/2018	2	272	136
PLANNED	5/31/2018	3	450	150
PLANNED	5/31/2018	1	320	320
PLANNED	5/31/2018	5	80	16
PLANNED	5/31/2018	2	140	70
PLANNED	5/31/2018	2	244	122
CUSTOMER REQUEST	5/31/2018	1	343	343
CUSTOMER REQUEST	6/1/2018	2	26	13
PLANNED	6/1/2018	9	1,098	122
PLANNED	6/1/2018	12	1,644	137
PLANNED	6/1/2018	1	108	108
PLANNED	6/1/2018	4	594	265
PLANNED	6/1/2018	2	538	269
PLANNED	6/1/2018	4	484	121
PLANNED	6/1/2018	1	53	53
PLANNED	6/1/2018	25	1,225	49
PLANNED	6/1/2018	1	28	28
PLANNED	6/1/2018	60	23,340	389
PLANNED	6/1/2018	6	582	97
PLANNED	6/1/2018	1	45	45
PLANNED	6/1/2018	4	388	97
PLANNED	6/1/2018	8	776	97
PLANNED	6/1/2018	6	288	48
PLANNED	6/1/2018	1	68	68
PLANNED	6/1/2018	22	858	39
PLANNED	6/1/2018	6	222	37
PLANNED	6/1/2018	1	147	147
CUSTOMER REQUEST	6/1/2018	15	5,925	395

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/1/2018	19	3,325	175
PLANNED	6/1/2018	1	45	45
PLANNED	6/1/2018	1	38	38
PLANNED	6/1/2018	7	98	14
PLANNED	6/1/2018	14	98	7
CUSTOMER REQUEST	6/1/2018	8	136	17
PLANNED	6/1/2018	7	308	44
PLANNED	6/1/2018	2	32	16
PLANNED	6/1/2018	5	1,205	241
PLANNED	6/1/2018	22	266	245
PLANNED	6/1/2018	8	1,744	218
PLANNED	6/1/2018	9	1,413	157
PLANNED	6/1/2018	10	1,980	198
PLANNED	6/1/2018	5	910	182
PLANNED	6/1/2018	29	3,567	123
PLANNED	6/1/2018	1	327	327
PLANNED	6/1/2018	1	138	138
PLANNED	6/1/2018	2	314	157
PLANNED	6/1/2018	2	210	105
PLANNED	6/1/2018	1	135	135
PLANNED	6/1/2018	1	75	75
PLANNED	6/1/2018	1	101	101
PLANNED	6/1/2018	12	2,676	223
PLANNED	6/1/2018	1	168	168
PLANNED	6/1/2018	7	329	47
CUSTOMER REQUEST	6/1/2018	5	45	9
PLANNED	6/1/2018	4	320	80
PLANNED	6/1/2018	2	340	170
PLANNED	6/1/2018	6	288	48
CUSTOMER REQUEST	6/1/2018	1	155	155
PLANNED	6/1/2018	1	1	1
PLANNED	6/1/2018	15	2,640	176
PLANNED	6/1/2018	3	522	174
PLANNED	6/1/2018	2	116	58
PLANNED	6/1/2018	16	912	57
PLANNED	6/1/2018	3	153	51
CUSTOMER REQUEST	6/1/2018	12	480	40
PLANNED	6/1/2018	2	136	68
PLANNED	6/1/2018	16	1,312	82
PLANNED	6/1/2018	6	72	12
PLANNED	6/1/2018	3	429	143
CUSTOMER REQUEST	6/1/2018	17	187	11
PLANNED	6/1/2018	1	52	52
PLANNED	6/1/2018	8	824	103
PLANNED	6/1/2018	2	344	172
CUSTOMER REQUEST	6/1/2018	21	3,780	180
PLANNED	6/1/2018	1	158	158
PLANNED	6/1/2018	1	69	69
CUSTOMER REQUEST	6/1/2018	17	221	13
PLANNED	6/1/2018	6	654	109
PLANNED	6/1/2018	4	444	111

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/1/2018	3	258	86
PLANNED	6/1/2018	5	405	81
PLANNED	6/1/2018	14	56	4
PLANNED	6/1/2018	8	576	72
PLANNED	6/1/2018	3	339	113
CUSTOMER REQUEST	6/1/2018	1	66	66
CUSTOMER REQUEST	6/1/2018	8	192	24
PLANNED	6/1/2018	9	135	15
CUSTOMER REQUEST	6/1/2018	1	671	671
CUSTOMER REQUEST	6/1/2018	17	4,063	239
PLANNED	6/1/2018	4	476	119
PLANNED	6/2/2018	24	6,582	275
PLANNED	6/2/2018	2	674	337
PLANNED	6/2/2018	2	226	113
PLANNED	6/2/2018	17	2,720	160
PLANNED	6/2/2018	2	180	90
PLANNED	6/2/2018	1	257	257
PLANNED	6/2/2018	3	510	170
PLANNED	6/2/2018	6	276	46
PLANNED	6/2/2018	1	301	301
PLANNED	6/2/2018	1	261	261
PLANNED	6/2/2018	44	11,132	253
PLANNED	6/2/2018	1	647	647
PLANNED	6/2/2018	1	126	126
PLANNED	6/2/2018	1	126	126
PLANNED	6/2/2018	1	412	412
PLANNED	6/2/2018	8	320	40
PLANNED	6/2/2018	9	882	98
PLANNED	6/2/2018	1	303	303
PLANNED	6/2/2018	1	187	187
PLANNED	6/2/2018	1	175	175
PLANNED	6/2/2018	1	582	582
PLANNED	6/3/2018	3	243	81
PLANNED	6/3/2018	2	460	230
CUSTOMER REQUEST	6/3/2018	6	318	53
PLANNED	6/3/2018	2	806	403
PLANNED	6/3/2018	2	120	60
PLANNED	6/3/2018	5	85	17
PLANNED	6/3/2018	2	526	263
PLANNED	6/3/2018	1	66	66
PLANNED	6/3/2018	2	310	155
PLANNED	6/3/2018	1	152	152
PLANNED	6/3/2018	6	462	77
PLANNED	6/3/2018	12	1,536	128
PLANNED	6/3/2018	1	17	17
PLANNED	6/3/2018	3	306	102
PLANNED	6/3/2018	6	252	42
CUSTOMER REQUEST	6/3/2018	1	434	434
PLANNED	6/3/2018	1	144	144
PLANNED	6/3/2018	1	336	336
PLANNED	6/4/2018	3	693	231

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	6/4/2018	1,166	29,150	25
PLANNED	6/4/2018	8	224	28
PLANNED	6/4/2018	2	572	286
PLANNED	6/4/2018	1	209	209
PLANNED	6/4/2018	1	92	92
PLANNED	6/4/2018	2	150	75
PLANNED	6/4/2018	2	160	80
PLANNED	6/4/2018	2	82	41
PLANNED	6/4/2018	7	441	63
PLANNED	6/4/2018	9	1,494	166
PLANNED	6/4/2018	2	228	114
PLANNED	6/4/2018	2	226	113
PLANNED	6/4/2018	6	366	61
PLANNED	6/4/2018	6	342	57
CUSTOMER REQUEST	6/4/2018	9	537	257
PLANNED	6/4/2018	49	291	243
CUSTOMER REQUEST	6/4/2018	1	146	146
PLANNED	6/4/2018	4	904	226
PLANNED	6/4/2018	6	1,122	187
PLANNED	6/4/2018	8	72	9
CUSTOMER REQUEST	6/4/2018	1	64	64
PLANNED	6/4/2018	1	193	193
PLANNED	6/4/2018	10	2,270	227
PLANNED	6/4/2018	5	50	10
PLANNED	6/4/2018	1	101	101
PLANNED	6/4/2018	1	236	236
PLANNED	6/4/2018	5	340	68
PLANNED	6/4/2018	61	4,453	73
PLANNED	6/4/2018	44	13,024	296
PLANNED	6/4/2018	3	339	113
PLANNED	6/4/2018	1	121	121
PLANNED	6/4/2018	12	108	9
PLANNED	6/4/2018	8	456	57
PLANNED	6/4/2018	24	768	32
PLANNED	6/4/2018	2	352	176
PLANNED	6/4/2018	4	28	7
PLANNED	6/4/2018	2	92	46
PLANNED	6/4/2018	1	15	15
PLANNED	6/4/2018	7	1,435	205
PLANNED	6/4/2018	2	170	85
PLANNED	6/4/2018	12	492	41
PLANNED	6/4/2018	5	250	50
PLANNED	6/4/2018	1	69	69
PLANNED	6/4/2018	4	560	140
CUSTOMER REQUEST	6/4/2018	4	44	11
PLANNED	6/4/2018	2	146	73
PLANNED	6/4/2018	1	42	42
CUSTOMER REQUEST	6/4/2018	7	602	86
PLANNED	6/4/2018	6	174	29
PLANNED	6/4/2018	8	472	59
PLANNED	6/4/2018	9	1,548	172

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/4/2018	7	1,204	172
PLANNED	6/4/2018	6	1,092	182
PLANNED	6/4/2018	2	368	184
CUSTOMER REQUEST	6/4/2018	4	620	155
PLANNED	6/4/2018	9	765	85
PLANNED	6/4/2018	8	1,408	176
PLANNED	6/4/2018	1	50	50
PLANNED	6/4/2018	3	138	46
PLANNED	6/4/2018	8	256	32
PLANNED	6/4/2018	9	1,134	126
CUSTOMER REQUEST	6/4/2018	1	110	110
PLANNED	6/4/2018	2	344	172
PLANNED	6/4/2018	6	216	36
PLANNED	6/4/2018	11	308	28
PLANNED	6/4/2018	2	122	61
PLANNED	6/4/2018	8	32	4
CUSTOMER REQUEST	6/4/2018	1	1,488	1,488
PLANNED	6/4/2018	8	1,752	219
CUSTOMER REQUEST	6/4/2018	1,078	8,624	8
PLANNED	6/4/2018	4	384	96
PLANNED	6/4/2018	1	58	58
PLANNED	6/4/2018	1	89	89
PLANNED	6/4/2018	1	92	92
PLANNED	6/4/2018	1	107	107
PLANNED	6/4/2018	4	12	3
PLANNED	6/4/2018	1	94	94
PLANNED	6/4/2018	21	1,218	58
PLANNED	6/4/2018	2	266	133
PLANNED	6/4/2018	3	243	81
PLANNED	6/4/2018	1	105	105
PLANNED	6/4/2018	9	180	20
PLANNED	6/4/2018	1	20	20
PLANNED	6/4/2018	1	185	185
PLANNED	6/4/2018	7	565	559
PLANNED	6/4/2018	12	888	74
PLANNED	6/4/2018	1	120	120
PLANNED	6/4/2018	1	219	219
PLANNED	6/4/2018	5	855	171
PLANNED	6/4/2018	1	123	123
PLANNED	6/5/2018	14	1,778	127
PLANNED	6/5/2018	23	2,737	119
PLANNED	6/5/2018	6	882	147
PLANNED	6/5/2018	2	278	139
PLANNED	6/5/2018	2	226	113
PLANNED	6/5/2018	7	2,058	294
PLANNED	6/5/2018	31	2,666	86
PLANNED	6/5/2018	1	83	83
PLANNED	6/5/2018	13	754	58
PLANNED	6/5/2018	4	224	56
PLANNED	6/5/2018	2	48	24
PLANNED	6/5/2018	4	352	88

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/5/2018	30	2,430	81
PLANNED	6/5/2018	8	576	72
PLANNED	6/5/2018	8	712	89
PLANNED	6/5/2018	1	69	69
PLANNED	6/5/2018	4	812	203
PLANNED	6/5/2018	1	174	174
CUSTOMER REQUEST	6/5/2018	8	120	15
PLANNED	6/5/2018	4	112	28
CUSTOMER REQUEST	6/5/2018	16	944	59
PLANNED	6/5/2018	6	882	147
PLANNED	6/5/2018	6	180	30
PLANNED	6/5/2018	5	2,200	440
PLANNED	6/5/2018	6	2,640	440
PLANNED	6/5/2018	8	3,504	438
PLANNED	6/5/2018	4	1,720	430
PLANNED	6/5/2018	3	489	163
PLANNED	6/5/2018	3	537	179
PLANNED	6/5/2018	8	1,128	141
PLANNED	6/5/2018	3	192	64
CUSTOMER REQUEST	6/5/2018	120	589	470
PLANNED	6/5/2018	3	861	287
CUSTOMER REQUEST	6/5/2018	4	428	107
CUSTOMER REQUEST	6/5/2018	34	3,740	110
CUSTOMER REQUEST	6/5/2018	3	87	29
PLANNED	6/5/2018	21	1,386	66
PLANNED	6/5/2018	1	39	39
PLANNED	6/5/2018	1	16	16
PLANNED	6/5/2018	6	138	23
PLANNED	6/5/2018	97	2,910	30
CUSTOMER REQUEST	6/5/2018	16	2,944	184
PLANNED	6/5/2018	2	42	21
PLANNED	6/5/2018	17	3,859	227
PLANNED	6/5/2018	8	832	104
PLANNED	6/5/2018	24	3,552	148
PLANNED	6/5/2018	6	132	22
PLANNED	6/5/2018	8	2,456	307
PLANNED	6/5/2018	4	164	41
PLANNED	6/5/2018	21	2,709	129
PLANNED	6/5/2018	7	1,351	193
CUSTOMER REQUEST	6/5/2018	8	56	7
PLANNED	6/5/2018	7	497	71
PLANNED	6/5/2018	5	570	114
CUSTOMER REQUEST	6/5/2018	2	262	131
PLANNED	6/5/2018	1	65	65
PLANNED	6/5/2018	6	222	37
PLANNED	6/5/2018	2	284	142
CUSTOMER REQUEST	6/5/2018	1	199	199
PLANNED	6/5/2018	5	620	124
PLANNED	6/5/2018	4	500	125
PLANNED	6/5/2018	2	262	131
PLANNED	6/5/2018	5	105	21

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/5/2018	1	100	100
PLANNED	6/5/2018	2	196	98
CUSTOMER REQUEST	6/5/2018	7	98	14
PLANNED	6/5/2018	8	2,224	278
CUSTOMER REQUEST	6/5/2018	1	213	213
PLANNED	6/5/2018	2	182	91
PLANNED	6/5/2018	3	462	154
CUSTOMER REQUEST	6/5/2018	11	55	5
PLANNED	6/5/2018	1	18	18
PLANNED	6/5/2018	5	15	3
PLANNED	6/5/2018	1	50	50
PLANNED	6/5/2018	1	131	131
PLANNED	6/5/2018	7	84	12
PLANNED	6/5/2018	2	160	80
PLANNED	6/5/2018	3	237	79
PLANNED	6/5/2018	97	4,559	47
PLANNED	6/5/2018	3	429	143
PLANNED	6/5/2018	15	225	15
PLANNED	6/5/2018	1	33	33
PLANNED	6/5/2018	2	122	61
PLANNED	6/5/2018	1	166	166
PLANNED	6/5/2018	6	534	89
PLANNED	6/5/2018	18	864	48
PLANNED	6/5/2018	2	160	80
PLANNED	6/5/2018	3	462	154
PLANNED	6/5/2018	1	51	51
CUSTOMER REQUEST	6/5/2018	1	195	195
PLANNED	6/5/2018	16	400	25
PLANNED	6/5/2018	8	1,096	137
CUSTOMER REQUEST	6/5/2018	4	724	181
PLANNED	6/5/2018	1	232	232
CUSTOMER REQUEST	6/5/2018	21	1,827	87
PLANNED	6/5/2018	1	489	489
PLANNED	6/5/2018	1	111	111
PLANNED	6/5/2018	2	196	98
CUSTOMER REQUEST	6/5/2018	8	32	4
PLANNED	6/6/2018	14	1,106	79
PLANNED	6/6/2018	3	300	100
CUSTOMER REQUEST	6/6/2018	15	3,263	345
PLANNED	6/6/2018	1	81	81
PLANNED	6/6/2018	10	1,340	134
PLANNED	6/6/2018	6	228	38
PLANNED	6/6/2018	2	214	107
PLANNED	6/6/2018	2	64	32
PLANNED	6/6/2018	1	117	117
PLANNED	6/6/2018	30	1,740	58
PLANNED	6/6/2018	3	186	62
PLANNED	6/6/2018	5	410	82
PLANNED	6/6/2018	10	1,450	145
PLANNED	6/6/2018	2	132	66
PLANNED	6/6/2018	28	896	84

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/6/2018	1	86	86
PLANNED	6/6/2018	2	152	76
PLANNED	6/6/2018	9	675	75
CUSTOMER REQUEST	6/6/2018	6	84	14
CUSTOMER REQUEST	6/6/2018	6	102	17
PLANNED	6/6/2018	1	52	52
PLANNED	6/6/2018	2	216	108
CUSTOMER REQUEST	6/6/2018	70	770	11
CUSTOMER REQUEST	6/6/2018	4	116	29
PLANNED	6/6/2018	13	988	76
PLANNED	6/6/2018	25	1,975	79
PLANNED	6/6/2018	2	400	200
PLANNED	6/6/2018	1	200	200
PLANNED	6/6/2018	2	400	200
CUSTOMER REQUEST	6/6/2018	2	116	58
PLANNED	6/6/2018	1	49	49
PLANNED	6/6/2018	6	288	48
CUSTOMER REQUEST	6/6/2018	22	4,202	191
CUSTOMER REQUEST	6/6/2018	8	1,008	126
PLANNED	6/6/2018	1	177	177
CUSTOMER REQUEST	6/6/2018	4	328	82
CUSTOMER REQUEST	6/6/2018	19	5,491	289
CUSTOMER REQUEST	6/6/2018	101	2,121	21
PLANNED	6/6/2018	10	230	23
PLANNED	6/6/2018	1	183	183
PLANNED	6/6/2018	7	224	32
PLANNED	6/6/2018	19	7,106	374
PLANNED	6/6/2018	28	2,268	81
CUSTOMER REQUEST	6/6/2018	1	68	68
PLANNED	6/6/2018	2	112	56
PLANNED	6/6/2018	1	137	137
PLANNED	6/6/2018	11	957	87
PLANNED	6/6/2018	10	600	60
CUSTOMER REQUEST	6/6/2018	12	384	32
PLANNED	6/6/2018	12	612	51
PLANNED	6/6/2018	1	240	240
PLANNED	6/6/2018	1	240	240
PLANNED	6/6/2018	1	136	136
PLANNED	6/6/2018	8	792	99
CUSTOMER REQUEST	6/6/2018	13	390	30
PLANNED	6/6/2018	3	57	19
PLANNED	6/6/2018	8	1,864	233
CUSTOMER REQUEST	6/6/2018	12	96	8
PLANNED	6/6/2018	1	34	34
CUSTOMER REQUEST	6/6/2018	10	510	51
PLANNED	6/6/2018	1	122	122
PLANNED	6/6/2018	12	1,272	106
PLANNED	6/6/2018	12	1,068	89
CUSTOMER REQUEST	6/6/2018	1	37	37
PLANNED	6/6/2018	4	256	64
PLANNED	6/6/2018	2	16	8

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/6/2018	3	780	260
PLANNED	6/6/2018	15	2,011	271
CUSTOMER REQUEST	6/6/2018	7	119	17
PLANNED	6/6/2018	2	148	74
PLANNED	6/6/2018	4	256	64
PLANNED	6/6/2018	4	248	62
PLANNED	6/6/2018	12	1,668	139
PLANNED	6/6/2018	1	36	36
PLANNED	6/6/2018	1	136	136
PLANNED	6/6/2018	9	252	28
PLANNED	6/6/2018	1	132	132
PLANNED	6/6/2018	1	132	132
PLANNED	6/6/2018	1	159	159
PLANNED	6/6/2018	3	150	50
PLANNED	6/6/2018	8	832	104
PLANNED	6/6/2018	10	490	49
PLANNED	6/6/2018	9	657	73
PLANNED	6/6/2018	2	114	57
PLANNED	6/6/2018	4	96	24
CUSTOMER REQUEST	6/6/2018	6	102	17
PLANNED	6/6/2018	2	230	115
PLANNED	6/6/2018	1	97	97
PLANNED	6/6/2018	6	462	77
CUSTOMER REQUEST	6/6/2018	16	1,536	96
PLANNED	6/6/2018	1	34	34
PLANNED	6/6/2018	2	198	99
PLANNED	6/6/2018	9	549	61
CUSTOMER REQUEST	6/6/2018	1	132	132
PLANNED	6/6/2018	12	444	37
PLANNED	6/6/2018	15	1,470	98
PLANNED	6/6/2018	13	1,027	79
CUSTOMER REQUEST	6/6/2018	2	124	62
CUSTOMER REQUEST	6/6/2018	12	48	4
PLANNED	6/6/2018	10	80	8
CUSTOMER REQUEST	6/6/2018	926	16,668	18
CUSTOMER REQUEST	6/6/2018	9	108	12
PLANNED	6/6/2018	3	12	4
CUSTOMER REQUEST	6/6/2018	1	26	26
PLANNED	6/6/2018	2	176	88
CUSTOMER REQUEST	6/6/2018	1,037	18,666	18
CUSTOMER REQUEST	6/6/2018	6	78	13
PLANNED	6/6/2018	2	136	68
PLANNED	6/6/2018	1	171	171
CUSTOMER REQUEST	6/6/2018	6	66	11
CUSTOMER REQUEST	6/6/2018	4	160	40
PLANNED	6/6/2018	2	416	208
PLANNED	6/6/2018	1	36	36
PLANNED	6/6/2018	1	171	171
CUSTOMER REQUEST	6/6/2018	3	618	206
PLANNED	6/7/2018	1	191	191
PLANNED	6/7/2018	1	83	83

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/7/2018	9	864	96
PLANNED	6/7/2018	5	405	81
PLANNED	6/7/2018	2	318	159
PLANNED	6/7/2018	2	180	90
PLANNED	6/7/2018	1	59	59
PLANNED	6/7/2018	8	632	79
PLANNED	6/7/2018	1	105	105
PLANNED	6/7/2018	2	64	32
PLANNED	6/7/2018	8	184	23
PLANNED	6/7/2018	8	296	37
PLANNED	6/7/2018	8	552	69
PLANNED	6/7/2018	12	2,616	218
PLANNED	6/7/2018	16	992	62
PLANNED	6/7/2018	7	728	104
PLANNED	6/7/2018	2	310	155
PLANNED	6/7/2018	6	804	135
CUSTOMER REQUEST	6/7/2018	1	334	334
PLANNED	6/7/2018	1	59	59
PLANNED	6/7/2018	6	594	99
PLANNED	6/7/2018	1	20	20
PLANNED	6/7/2018	2	462	231
PLANNED	6/7/2018	3	150	50
PLANNED	6/7/2018	2	218	109
PLANNED	6/7/2018	3	72	24
PLANNED	6/7/2018	4	440	110
PLANNED	6/7/2018	8	640	80
PLANNED	6/7/2018	12	684	57
PLANNED	6/7/2018	30	12,480	416
PLANNED	6/7/2018	2	90	45
PLANNED	6/7/2018	2	128	64
PLANNED	6/7/2018	2	126	63
PLANNED	6/7/2018	1	62	62
CUSTOMER REQUEST	6/7/2018	1	116	116
PLANNED	6/7/2018	1	62	62
PLANNED	6/7/2018	1	181	181
PLANNED	6/7/2018	8	64	8
PLANNED	6/7/2018	2	108	54
PLANNED	6/7/2018	3	75	25
PLANNED	6/7/2018	9	414	46
PLANNED	6/7/2018	2	454	227
CUSTOMER REQUEST	6/7/2018	1	59	59
PLANNED	6/7/2018	43	6,536	152
PLANNED	6/7/2018	1	149	149
CUSTOMER REQUEST	6/7/2018	25	7,000	280
CUSTOMER REQUEST	6/7/2018	17	561	33
PLANNED	6/7/2018	2	168	84
CUSTOMER REQUEST	6/7/2018	11	44	4
PLANNED	6/7/2018	8	1,992	249
PLANNED	6/7/2018	7	1,743	249
PLANNED	6/7/2018	2	98	49
CUSTOMER REQUEST	6/7/2018	2	58	29

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/7/2018	18	1,026	57
PLANNED	6/7/2018	1	93	93
PLANNED	6/7/2018	1	119	119
CUSTOMER REQUEST	6/7/2018	1	187	187
PLANNED	6/7/2018	8	800	100
PLANNED	6/7/2018	7	434	62
PLANNED	6/7/2018	12	744	62
PLANNED	6/7/2018	3	351	117
PLANNED	6/7/2018	1	25	25
PLANNED	6/7/2018	2	202	101
PLANNED	6/7/2018	6	114	19
PLANNED	6/7/2018	1	83	83
PLANNED	6/7/2018	2	160	80
CUSTOMER REQUEST	6/7/2018	26	1,898	73
CUSTOMER REQUEST	6/7/2018	2	22	11
PLANNED	6/7/2018	8	232	29
PLANNED	6/7/2018	2	98	49
CUSTOMER REQUEST	6/7/2018	4	552	138
PLANNED	6/7/2018	4	716	179
PLANNED	6/7/2018	5	880	176
PLANNED	6/7/2018	3	357	119
PLANNED	6/7/2018	1	125	125
CUSTOMER REQUEST	6/7/2018	1	25	25
CUSTOMER REQUEST	6/7/2018	13	1,144	88
PLANNED	6/7/2018	1	256	256
PLANNED	6/7/2018	8	216	27
PLANNED	6/7/2018	3	423	141
CUSTOMER REQUEST	6/7/2018	8	144	18
CUSTOMER REQUEST	6/7/2018	4	44	11
PLANNED	6/7/2018	1	161	161
PLANNED	6/7/2018	4	60	15
PLANNED	6/7/2018	4	152	38
PLANNED	6/7/2018	3	159	53
PLANNED	6/7/2018	1	25	25
PLANNED	6/7/2018	7	777	111
CUSTOMER REQUEST	6/7/2018	14	672	48
PLANNED	6/7/2018	1	57	57
PLANNED	6/7/2018	1	54	54
PLANNED	6/7/2018	9	117	13
PLANNED	6/7/2018	2	34	17
PLANNED	6/7/2018	3	210	70
PLANNED	6/7/2018	14	756	54
PLANNED	6/7/2018	1	88	88
PLANNED	6/7/2018	1	59	59
PLANNED	6/7/2018	3	15	5
CUSTOMER REQUEST	6/7/2018	11	33	3
PLANNED	6/7/2018	3	234	78
PLANNED	6/7/2018	2	142	71
PLANNED	6/7/2018	10	380	38
CUSTOMER REQUEST	6/7/2018	12	96	8
PLANNED	6/7/2018	2	68	34

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/7/2018	5	675	135
PLANNED	6/7/2018	4	684	171
PLANNED	6/8/2018	5	2,240	448
PLANNED	6/8/2018	1	123	123
PLANNED	6/8/2018	2	356	178
PLANNED	6/8/2018	5	1,440	288
PLANNED	6/8/2018	11	638	58
PLANNED	6/8/2018	1	170	170
PLANNED	6/8/2018	2	164	82
PLANNED	6/8/2018	19	1,482	78
PLANNED	6/8/2018	7	399	57
PLANNED	6/8/2018	49	2,254	46
PLANNED	6/8/2018	22	264	12
PLANNED	6/8/2018	2	94	47
PLANNED	6/8/2018	1	196	196
CUSTOMER REQUEST	6/8/2018	1	67	67
PLANNED	6/8/2018	12	3,396	283
PLANNED	6/8/2018	16	1,328	83
PLANNED	6/8/2018	5	190	38
CUSTOMER REQUEST	6/8/2018	9	3,609	401
CUSTOMER REQUEST	6/8/2018	1	80	80
CUSTOMER REQUEST	6/8/2018	1	157	157
CUSTOMER REQUEST	6/8/2018	29	4,669	161
PLANNED	6/8/2018	7	378	54
PLANNED	6/8/2018	6	246	41
PLANNED	6/8/2018	6	228	38
CUSTOMER REQUEST	6/8/2018	1	299	299
CUSTOMER REQUEST	6/8/2018	6	2,034	339
PLANNED	6/8/2018	10	50	5
PLANNED	6/8/2018	2	254	127
PLANNED	6/8/2018	11	2,211	201
PLANNED	6/8/2018	1	82	82
PLANNED	6/8/2018	7	483	69
PLANNED	6/8/2018	4	172	43
PLANNED	6/8/2018	4	460	115
CUSTOMER REQUEST	6/8/2018	2	104	52
PLANNED	6/8/2018	1	139	139
PLANNED	6/8/2018	3	156	52
PLANNED	6/8/2018	4	12	3
PLANNED	6/8/2018	1	32	32
PLANNED	6/8/2018	14	1,302	93
PLANNED	6/8/2018	2	188	94
PLANNED	6/8/2018	1	75	75
PLANNED	6/8/2018	6	858	143
CUSTOMER REQUEST	6/8/2018	2	210	105
CUSTOMER REQUEST	6/8/2018	1	368	368
PLANNED	6/8/2018	8	1,400	175
PLANNED	6/8/2018	5	435	87
PLANNED	6/8/2018	8	2,072	259
PLANNED	6/8/2018	12	60	5
CUSTOMER REQUEST	6/8/2018	9	54	6

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/8/2018	10	110	11
PLANNED	6/8/2018	5	85	17
PLANNED	6/8/2018	12	12	1
CUSTOMER REQUEST	6/8/2018	71	16,614	234
PLANNED	6/8/2018	3	138	46
PLANNED	6/8/2018	12	528	44
PLANNED	6/8/2018	11	495	45
PLANNED	6/8/2018	2	34	17
PLANNED	6/8/2018	4	72	18
PLANNED	6/8/2018	5	155	31
PLANNED	6/8/2018	5	15	3
PLANNED	6/8/2018	10	60	6
CUSTOMER REQUEST	6/8/2018	1	107	107
CUSTOMER REQUEST	6/8/2018	1	245	245
PLANNED	6/8/2018	9	90	10
PLANNED	6/8/2018	41	3,772	92
PLANNED	6/9/2018	1	52	52
PLANNED	6/9/2018	1	192	192
PLANNED	6/9/2018	1	86	86
PLANNED	6/9/2018	1	148	148
PLANNED	6/9/2018	4	1,000	250
PLANNED	6/9/2018	2	298	149
PLANNED	6/9/2018	1	74	74
CUSTOMER REQUEST	6/9/2018	2	354	177
CUSTOMER REQUEST	6/9/2018	1	47	47
PLANNED	6/9/2018	1	173	173
CUSTOMER REQUEST	6/9/2018	6	10,170	1,695
PLANNED	6/9/2018	1	36	36
PLANNED	6/9/2018	8	312	39
PLANNED	6/9/2018	1	280	280
PLANNED	6/9/2018	13	1,248	96
CUSTOMER REQUEST	6/9/2018	1	207	207
PLANNED	6/9/2018	1	58	58
PLANNED	6/9/2018	1	135	135
PLANNED	6/9/2018	1	81	81
CUSTOMER REQUEST	6/9/2018	1	93	93
PLANNED	6/10/2018	1	72	72
PLANNED	6/10/2018	1	191	191
PLANNED	6/10/2018	3	564	188
PLANNED	6/10/2018	6	1,404	234
PLANNED	6/10/2018	1	140	140
PLANNED	6/10/2018	5	675	135
PLANNED	6/10/2018	4	1,732	433
PLANNED	6/10/2018	1	111	111
PLANNED	6/10/2018	8	256	32
PLANNED	6/10/2018	1	45	45
PLANNED	6/10/2018	1	82	82
PLANNED	6/10/2018	1	70	70
PLANNED	6/10/2018	5	430	86
PLANNED	6/10/2018	1	104	104
CUSTOMER REQUEST	6/11/2018	2,093	37,674	18

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/11/2018	4	1,236	309
PLANNED	6/11/2018	1	76	76
PLANNED	6/11/2018	4	276	69
PLANNED	6/11/2018	4	1,120	280
PLANNED	6/11/2018	15	1,980	132
PLANNED	6/11/2018	16	2,448	153
PLANNED	6/11/2018	8	1,352	169
CUSTOMER REQUEST	6/11/2018	1	227	227
CUSTOMER REQUEST	6/11/2018	29	4,988	172
PLANNED	6/11/2018	7	98	14
PLANNED	6/11/2018	1	219	219
PLANNED	6/11/2018	5	980	196
PLANNED	6/11/2018	1	207	207
CUSTOMER REQUEST	6/11/2018	6	372	62
PLANNED	6/11/2018	1	105	105
PLANNED	6/11/2018	2	530	265
PLANNED	6/11/2018	5	145	29
CUSTOMER REQUEST	6/11/2018	9	1,926	214
CUSTOMER REQUEST	6/11/2018	1	339	339
PLANNED	6/11/2018	3	282	94
PLANNED	6/11/2018	1	238	238
PLANNED	6/11/2018	16	864	54
PLANNED	6/11/2018	2	194	97
PLANNED	6/11/2018	6	912	152
CUSTOMER REQUEST	6/11/2018	14	364	26
PLANNED	6/11/2018	4	456	114
PLANNED	6/11/2018	3	336	112
PLANNED	6/11/2018	14	1,260	90
PLANNED	6/11/2018	5	305	61
PLANNED	6/11/2018	20	1,240	62
PLANNED	6/11/2018	30	780	26
PLANNED	6/11/2018	23	1,564	68
PLANNED	6/11/2018	1	46	46
PLANNED	6/11/2018	33	14,982	454
PLANNED	6/11/2018	1	151	151
PLANNED	6/11/2018	2	362	181
PLANNED	6/11/2018	14	1,330	95
PLANNED	6/11/2018	6	48	8
PLANNED	6/11/2018	15	2,265	151
PLANNED	6/11/2018	3	492	164
PLANNED	6/11/2018	1	270	270
PLANNED	6/11/2018	2	258	129
PLANNED	6/11/2018	4	152	38
PLANNED	6/11/2018	2	22	11
PLANNED	6/11/2018	15	495	33
PLANNED	6/11/2018	4	1,380	345
PLANNED	6/11/2018	4	12	3
PLANNED	6/11/2018	41	1,202	72
PLANNED	6/11/2018	3	273	91
PLANNED	6/11/2018	2	186	93
PLANNED	6/11/2018	16	752	47

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/11/2018	13	39	3
PLANNED	6/11/2018	2	382	191
PLANNED	6/11/2018	6	276	46
PLANNED	6/11/2018	8	336	42
PLANNED	6/11/2018	7	518	74
PLANNED	6/11/2018	10	950	95
PLANNED	6/11/2018	1	96	96
PLANNED	6/11/2018	8	760	95
PLANNED	6/11/2018	6	1,944	324
PLANNED	6/11/2018	4	4	1
PLANNED	6/11/2018	4	160	40
PLANNED	6/11/2018	21	1,890	90
PLANNED	6/11/2018	11	649	59
PLANNED	6/11/2018	1	108	108
PLANNED	6/11/2018	2	30	15
PLANNED	6/11/2018	3	138	46
PLANNED	6/11/2018	3	162	54
PLANNED	6/11/2018	17	595	35
PLANNED	6/11/2018	77	8,008	104
PLANNED	6/11/2018	9	837	93
PLANNED	6/11/2018	1	100	100
CUSTOMER REQUEST	6/11/2018	1	56	56
PLANNED	6/11/2018	10	1,580	158
PLANNED	6/11/2018	2	68	34
PLANNED	6/11/2018	5	620	124
CUSTOMER REQUEST	6/11/2018	12	1,404	117
PLANNED	6/11/2018	2	32	16
PLANNED	6/11/2018	10	690	69
CUSTOMER REQUEST	6/11/2018	4	40	10
PLANNED	6/11/2018	11	341	31
PLANNED	6/11/2018	12	984	82
PLANNED	6/11/2018	7	133	19
CUSTOMER REQUEST	6/11/2018	1	9	9
CUSTOMER REQUEST	6/11/2018	1	79	79
PLANNED	6/11/2018	1	568	568
PLANNED	6/11/2018	6	864	144
PLANNED	6/12/2018	6	678	113
PLANNED	6/12/2018	3	387	129
PLANNED	6/12/2018	9	1,053	117
PLANNED	6/12/2018	1	45	45
CUSTOMER REQUEST	6/12/2018	1	428	428
PLANNED	6/12/2018	2	206	103
PLANNED	6/12/2018	10	740	74
PLANNED	6/12/2018	7	266	38
PLANNED	6/12/2018	5	130	26
PLANNED	6/12/2018	9	747	83
PLANNED	6/12/2018	6	138	23
PLANNED	6/12/2018	3	276	92
PLANNED	6/12/2018	3	273	91
PLANNED	6/12/2018	4	1,096	274
PLANNED	6/12/2018	13	3,107	239

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/12/2018	8	208	26
CUSTOMER REQUEST	6/12/2018	1	358	358
PLANNED	6/12/2018	4	504	126
CUSTOMER REQUEST	6/12/2018	6	1,284	214
PLANNED	6/12/2018	1	67	67
PLANNED	6/12/2018	4	272	68
PLANNED	6/12/2018	3	99	33
CUSTOMER REQUEST	6/12/2018	8	208	26
PLANNED	6/12/2018	11	2,002	182
PLANNED	6/12/2018	19	2,812	148
PLANNED	6/12/2018	8	616	77
PLANNED	6/12/2018	4	536	134
PLANNED	6/12/2018	1	94	94
PLANNED	6/12/2018	5	395	79
CUSTOMER REQUEST	6/12/2018	1	204	204
PLANNED	6/12/2018	1	499	499
PLANNED	6/12/2018	2	68	34
PLANNED	6/12/2018	6	36	6
PLANNED	6/12/2018	3	987	329
PLANNED	6/12/2018	7	98	14
PLANNED	6/12/2018	8	480	60
PLANNED	6/12/2018	6	126	21
PLANNED	6/12/2018	2	126	63
CUSTOMER REQUEST	6/12/2018	7	77	11
PLANNED	6/12/2018	2	520	260
PLANNED	6/12/2018	3	162	54
CUSTOMER REQUEST	6/12/2018	1	76	76
PLANNED	6/12/2018	26	4,784	184
PLANNED	6/12/2018	1	386	386
PLANNED	6/12/2018	8	256	32
PLANNED	6/12/2018	6	192	32
PLANNED	6/12/2018	2	386	193
PLANNED	6/12/2018	2	422	211
PLANNED	6/12/2018	8	480	60
PLANNED	6/12/2018	20	4,440	222
PLANNED	6/12/2018	19	1,482	78
PLANNED	6/12/2018	5	570	114
PLANNED	6/12/2018	1	71	71
PLANNED	6/12/2018	12	1,536	128
PLANNED	6/12/2018	9	1,188	132
PLANNED	6/12/2018	5	1,005	201
PLANNED	6/12/2018	1	55	55
PLANNED	6/12/2018	7	1,582	226
CUSTOMER REQUEST	6/12/2018	1	199	199
PLANNED	6/12/2018	1	52	52
PLANNED	6/12/2018	3	378	126
PLANNED	6/12/2018	9	1,695	199
PLANNED	6/12/2018	4	440	110
PLANNED	6/12/2018	3	363	121
PLANNED	6/12/2018	25	2,425	97
PLANNED	6/12/2018	4	416	104

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/12/2018	3	273	91
CUSTOMER REQUEST	6/12/2018	13	65	5
CUSTOMER REQUEST	6/12/2018	6	36	6
PLANNED	6/12/2018	1	40	40
PLANNED	6/12/2018	4	20	5
PLANNED	6/12/2018	7	2,975	425
PLANNED	6/12/2018	2	280	140
PLANNED	6/12/2018	6	60	10
PLANNED	6/12/2018	2	288	144
PLANNED	6/12/2018	2	94	47
PLANNED	6/12/2018	3	153	51
PLANNED	6/12/2018	2	566	283
PLANNED	6/12/2018	1	64	64
PLANNED	6/12/2018	8	2,192	274
PLANNED	6/12/2018	5	650	130
PLANNED	6/12/2018	2	156	78
PLANNED	6/12/2018	5	305	61
CUSTOMER REQUEST	6/12/2018	5	745	149
CUSTOMER REQUEST	6/12/2018	4	516	129
PLANNED	6/12/2018	5	220	44
PLANNED	6/12/2018	7	735	105
CUSTOMER REQUEST	6/12/2018	1	213	213
PLANNED	6/12/2018	3	15	5
PLANNED	6/12/2018	2	78	39
PLANNED	6/12/2018	9	216	24
PLANNED	6/12/2018	1	129	129
PLANNED	6/12/2018	6	174	29
PLANNED	6/12/2018	2	264	132
PLANNED	6/12/2018	9	711	79
CUSTOMER REQUEST	6/12/2018	1	110	110
PLANNED	6/12/2018	6	702	117
PLANNED	6/12/2018	6	246	41
PLANNED	6/12/2018	1	39	39
PLANNED	6/12/2018	4	44	11
PLANNED	6/12/2018	2	196	98
CUSTOMER REQUEST	6/12/2018	7	224	32
PLANNED	6/12/2018	2	134	67
PLANNED	6/12/2018	2	354	177
PLANNED	6/12/2018	2	148	74
PLANNED	6/12/2018	1	105	105
PLANNED	6/12/2018	12	324	27
PLANNED	6/12/2018	1	83	83
PLANNED	6/12/2018	10	740	74
PLANNED	6/12/2018	2	176	88
PLANNED	6/12/2018	1	59	59
PLANNED	6/12/2018	1	89	89
PLANNED	6/12/2018	5	515	103
CUSTOMER REQUEST	6/12/2018	2,025	68,850	34
PLANNED	6/12/2018	14	3,234	231
PLANNED	6/12/2018	23	5,290	230
PLANNED	6/12/2018	1	283	283

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/13/2018	3	648	216
PLANNED	6/13/2018	1	149	149
PLANNED	6/13/2018	6	1,308	218
PLANNED	6/13/2018	5	1,365	273
PLANNED	6/13/2018	3	411	137
CUSTOMER REQUEST	6/13/2018	5	845	169
PLANNED	6/13/2018	1	470	470
PLANNED	6/13/2018	8	888	111
PLANNED	6/13/2018	1	15	15
PLANNED	6/13/2018	13	637	49
CUSTOMER REQUEST	6/13/2018	1	222	222
PLANNED	6/13/2018	7	399	57
PLANNED	6/13/2018	4	304	76
PLANNED	6/13/2018	5	270	54
PLANNED	6/13/2018	7	1,757	251
PLANNED	6/13/2018	1	135	135
PLANNED	6/13/2018	3	252	84
PLANNED	6/13/2018	8	720	90
PLANNED	6/13/2018	7	133	19
PLANNED	6/13/2018	8	1,000	125
CUSTOMER REQUEST	6/13/2018	10	1,900	190
PLANNED	6/13/2018	3	309	103
PLANNED	6/13/2018	1	142	142
PLANNED	6/13/2018	7	2,121	303
PLANNED	6/13/2018	2	184	92
PLANNED	6/13/2018	3	774	258
PLANNED	6/13/2018	1	105	105
CUSTOMER REQUEST	6/13/2018	1	434	434
CUSTOMER REQUEST	6/13/2018	1	433	433
PLANNED	6/13/2018	1	52	52
PLANNED	6/13/2018	3	84	28
PLANNED	6/13/2018	8	424	53
PLANNED	6/13/2018	7	1,834	262
PLANNED	6/13/2018	12	720	60
PLANNED	6/13/2018	5	370	74
PLANNED	6/13/2018	2	50	25
PLANNED	6/13/2018	6	234	39
PLANNED	6/13/2018	4	480	120
PLANNED	6/13/2018	73	20,951	287
PLANNED	6/13/2018	27	2,646	98
PLANNED	6/13/2018	2	108	54
PLANNED	6/13/2018	4	188	47
PLANNED	6/13/2018	8	520	65
CUSTOMER REQUEST	6/13/2018	7	189	27
PLANNED	6/13/2018	12	276	23
PLANNED	6/13/2018	5	330	66
PLANNED	6/13/2018	10	1,540	154
PLANNED	6/13/2018	5	105	21
PLANNED	6/13/2018	2	278	139
PLANNED	6/13/2018	1	115	115
CUSTOMER REQUEST	6/13/2018	22	2,640	120

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/13/2018	8	328	41
PLANNED	6/13/2018	9	225	25
PLANNED	6/13/2018	4	196	49
PLANNED	6/13/2018	14	1,582	113
PLANNED	6/13/2018	9	315	35
PLANNED	6/13/2018	4	164	41
PLANNED	6/13/2018	5	255	51
PLANNED	6/13/2018	4	328	82
PLANNED	6/13/2018	1	51	51
PLANNED	6/13/2018	10	2,430	243
PLANNED	6/13/2018	26	1,898	73
PLANNED	6/13/2018	1	46	46
PLANNED	6/13/2018	14	4,088	292
PLANNED	6/13/2018	120	19,080	159
PLANNED	6/13/2018	1	88	88
PLANNED	6/13/2018	2	124	62
CUSTOMER REQUEST	6/13/2018	5	205	41
PLANNED	6/13/2018	7	574	82
PLANNED	6/13/2018	7	245	35
PLANNED	6/13/2018	4	644	161
PLANNED	6/13/2018	5	200	40
PLANNED	6/13/2018	6	132	22
CUSTOMER REQUEST	6/13/2018	82	738	9
PLANNED	6/13/2018	2	104	52
PLANNED	6/13/2018	12	2,304	192
PLANNED	6/13/2018	8	448	56
PLANNED	6/13/2018	10	1,390	139
PLANNED	6/13/2018	8	288	36
CUSTOMER REQUEST	6/13/2018	8	216	27
PLANNED	6/13/2018	34	3,162	93
PLANNED	6/13/2018	5	200	40
PLANNED	6/13/2018	25	4,500	180
PLANNED	6/13/2018	6	522	87
PLANNED	6/13/2018	7	1,995	285
PLANNED	6/13/2018	18	1,296	72
PLANNED	6/13/2018	1	276	276
PLANNED	6/13/2018	22	1,672	76
PLANNED	6/13/2018	8	128	16
PLANNED	6/13/2018	7	644	92
PLANNED	6/13/2018	5	150	30
CUSTOMER REQUEST	6/13/2018	2	134	67
CUSTOMER REQUEST	6/13/2018	2	426	213
PLANNED	6/13/2018	17	442	26
PLANNED	6/13/2018	22	572	26
PLANNED	6/13/2018	41	9,717	237
PLANNED	6/13/2018	2	336	168
PLANNED	6/13/2018	35	1,960	56
CUSTOMER REQUEST	6/13/2018	1	32	32
PLANNED	6/13/2018	7	119	17
PLANNED	6/13/2018	1	85	85
PLANNED	6/13/2018	2	544	272

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/13/2018	2	220	110
PLANNED	6/13/2018	10	2,220	222
CUSTOMER REQUEST	6/13/2018	2	108	54
PLANNED	6/13/2018	13	65	5
CUSTOMER REQUEST	6/13/2018	1	284	284
PLANNED	6/13/2018	15	300	20
PLANNED	6/13/2018	4	152	38
PLANNED	6/13/2018	6	594	99
PLANNED	6/13/2018	7	1,463	209
PLANNED	6/13/2018	2	114	57
PLANNED	6/13/2018	2	108	54
PLANNED	6/13/2018	2	30	15
PLANNED	6/13/2018	2	32	16
PLANNED	6/13/2018	6	348	58
PLANNED	6/13/2018	2	152	76
CUSTOMER REQUEST	6/13/2018	1	131	131
PLANNED	6/13/2018	6	300	50
PLANNED	6/13/2018	3	36	12
PLANNED	6/13/2018	4	620	155
PLANNED	6/13/2018	1	77	78
PLANNED	6/13/2018	3	381	127
PLANNED	6/14/2018	1	7	7
PLANNED	6/14/2018	1	31	31
PLANNED	6/14/2018	3	228	76
PLANNED	6/14/2018	1	2	2
PLANNED	6/14/2018	4	272	68
PLANNED	6/14/2018	2	262	131
PLANNED	6/14/2018	6	372	62
PLANNED	6/14/2018	4	960	240
PLANNED	6/14/2018	9	108	34
PLANNED	6/14/2018	6	366	61
PLANNED	6/14/2018	4	328	82
PLANNED	6/14/2018	8	472	59
PLANNED	6/14/2018	13	104	8
PLANNED	6/14/2018	12	1,608	134
CUSTOMER REQUEST	6/14/2018	1	318	318
PLANNED	6/14/2018	3	405	135
PLANNED	6/14/2018	4	336	84
CUSTOMER REQUEST	6/14/2018	3	636	212
PLANNED	6/14/2018	31	10,695	345
PLANNED	6/14/2018	1	92	92
PLANNED	6/14/2018	11	121	11
PLANNED	6/14/2018	5	40	8
CUSTOMER REQUEST	6/14/2018	2	60	30
PLANNED	6/14/2018	33	16,104	488
PLANNED	6/14/2018	2	728	364
PLANNED	6/14/2018	9	459	51
PLANNED	6/14/2018	1	455	455
PLANNED	6/14/2018	1	485	485
PLANNED	6/14/2018	5	155	31
PLANNED	6/14/2018	30	2,790	93

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/14/2018	4	500	125
PLANNED	6/14/2018	7	2,191	313
PLANNED	6/14/2018	2	162	81
CUSTOMER REQUEST	6/14/2018	21	5,838	278
PLANNED	6/14/2018	10	2,510	251
PLANNED	6/14/2018	12	588	49
CUSTOMER REQUEST	6/14/2018	8	3,824	478
PLANNED	6/14/2018	3	267	89
PLANNED	6/14/2018	1	76	76
PLANNED	6/14/2018	1	255	255
PLANNED	6/14/2018	5	880	176
PLANNED	6/14/2018	1	12	12
PLANNED	6/14/2018	17	816	48
PLANNED	6/14/2018	2	454	227
CUSTOMER REQUEST	6/14/2018	1	91	91
PLANNED	6/14/2018	11	121	11
PLANNED	6/14/2018	97	5,626	58
PLANNED	6/14/2018	1	362	362
PLANNED	6/14/2018	3	543	181
PLANNED	6/14/2018	8	408	51
PLANNED	6/14/2018	6	522	136
PLANNED	6/14/2018	5	410	82
PLANNED	6/14/2018	10	1,960	196
CUSTOMER REQUEST	6/14/2018	47	3,055	65
PLANNED	6/14/2018	1	66	66
CUSTOMER REQUEST	6/14/2018	11	726	66
PLANNED	6/14/2018	5	545	109
PLANNED	6/14/2018	8	1,008	126
PLANNED	6/14/2018	1	224	224
PLANNED	6/14/2018	1	33	33
CUSTOMER REQUEST	6/14/2018	1	54	54
CUSTOMER REQUEST	6/14/2018	2	86	43
PLANNED	6/14/2018	14	524	100
CUSTOMER REQUEST	6/14/2018	8	424	53
CUSTOMER REQUEST	6/14/2018	1	120	120
PLANNED	6/14/2018	10	1,490	149
PLANNED	6/14/2018	10	1,360	136
PLANNED	6/14/2018	17	663	39
PLANNED	6/14/2018	2	388	194
PLANNED	6/14/2018	61	12,139	199
PLANNED	6/14/2018	12	2,664	222
PLANNED	6/14/2018	4	296	74
CUSTOMER REQUEST	6/14/2018	1	257	257
PLANNED	6/14/2018	22	1,760	80
PLANNED	6/14/2018	8	184	23
PLANNED	6/14/2018	4	156	39
PLANNED	6/14/2018	15	2,865	191
PLANNED	6/14/2018	12	180	15
CUSTOMER REQUEST	6/14/2018	7	217	31
PLANNED	6/14/2018	25	1,600	64
PLANNED	6/14/2018	17	1,462	86

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/14/2018	1	42	42
CUSTOMER REQUEST	6/14/2018	1	154	154
PLANNED	6/14/2018	14	1,862	133
CUSTOMER REQUEST	6/14/2018	1	28	28
PLANNED	6/14/2018	3	303	101
PLANNED	6/14/2018	1	48	48
PLANNED	6/14/2018	2	188	94
PLANNED	6/14/2018	11	825	75
CUSTOMER REQUEST	6/14/2018	1	282	282
PLANNED	6/14/2018	5	355	71
CUSTOMER REQUEST	6/14/2018	7	483	69
PLANNED	6/14/2018	17	561	33
PLANNED	6/14/2018	6	228	38
PLANNED	6/14/2018	8	120	15
PLANNED	6/14/2018	4	128	32
PLANNED	6/14/2018	1	69	69
PLANNED	6/14/2018	2	44	22
PLANNED	6/14/2018	5	70	14
PLANNED	6/14/2018	2	220	110
PLANNED	6/14/2018	5	390	78
PLANNED	6/14/2018	1	24	24
PLANNED	6/14/2018	10	140	14
CUSTOMER REQUEST	6/14/2018	1	378	378
CUSTOMER REQUEST	6/14/2018	8	120	15
PLANNED	6/14/2018	1	30	30
PLANNED	6/14/2018	7	98	14
PLANNED	6/14/2018	11	803	73
PLANNED	6/14/2018	2	62	31
PLANNED	6/14/2018	1	56	56
PLANNED	6/14/2018	2	74	37
PLANNED	6/14/2018	1	53	53
PLANNED	6/14/2018	4	184	46
PLANNED	6/14/2018	2	700	350
PLANNED	6/15/2018	1	32	32
PLANNED	6/15/2018	1	119	119
PLANNED	6/15/2018	4	1,376	344
PLANNED	6/15/2018	3	1,047	349
PLANNED	6/15/2018	41	3,998	102
PLANNED	6/15/2018	1	157	157
PLANNED	6/15/2018	1	84	84
PLANNED	6/15/2018	2	162	81
PLANNED	6/15/2018	25	7,450	298
PLANNED	6/15/2018	8	2,424	456
CUSTOMER REQUEST	6/15/2018	13	2,197	169
PLANNED	6/15/2018	4	256	64
PLANNED	6/15/2018	12	3,312	276
PLANNED	6/15/2018	4	388	97
PLANNED	6/15/2018	4	740	185
PLANNED	6/15/2018	8	336	42
PLANNED	6/15/2018	9	45	5
CUSTOMER REQUEST	6/15/2018	34	2,754	81

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/15/2018	7	238	34
CUSTOMER REQUEST	6/15/2018	11	187	17
PLANNED	6/15/2018	5	660	132
CUSTOMER REQUEST	6/15/2018	1	160	160
PLANNED	6/15/2018	2	322	161
PLANNED	6/15/2018	12	456	38
CUSTOMER REQUEST	6/15/2018	9	378	42
CUSTOMER REQUEST	6/15/2018	8	8	1
PLANNED	6/15/2018	6	792	132
CUSTOMER REQUEST	6/15/2018	6	474	79
CUSTOMER REQUEST	6/15/2018	8	616	77
PLANNED	6/15/2018	8	152	19
PLANNED	6/15/2018	1	21	21
PLANNED	6/15/2018	1	36	36
PLANNED	6/15/2018	2	290	145
PLANNED	6/15/2018	2	262	131
PLANNED	6/15/2018	2	82	41
PLANNED	6/15/2018	6	174	29
PLANNED	6/15/2018	1	129	129
CUSTOMER REQUEST	6/15/2018	1	42	42
PLANNED	6/15/2018	1	29	29
PLANNED	6/15/2018	6	642	107
CUSTOMER REQUEST	6/15/2018	24	864	36
PLANNED	6/15/2018	12	1,236	103
PLANNED	6/15/2018	11	264	24
PLANNED	6/15/2018	8	744	93
PLANNED	6/15/2018	8	432	54
PLANNED	6/15/2018	3	462	154
PLANNED	6/15/2018	1	142	142
CUSTOMER REQUEST	6/15/2018	18	396	22
PLANNED	6/15/2018	4	400	100
CUSTOMER REQUEST	6/15/2018	5	215	43
PLANNED	6/15/2018	4	92	23
CUSTOMER REQUEST	6/15/2018	2	50	25
PLANNED	6/15/2018	1	101	101
CUSTOMER REQUEST	6/15/2018	3	189	63
PLANNED	6/15/2018	1	21	21
PLANNED	6/15/2018	8	128	16
PLANNED	6/15/2018	38	4,370	115
PLANNED	6/15/2018	24	168	7
PLANNED	6/15/2018	4	152	38
PLANNED	6/15/2018	3	606	202
PLANNED	6/15/2018	6	540	90
PLANNED	6/15/2018	13	2,886	222
PLANNED	6/15/2018	11	726	66
PLANNED	6/15/2018	1	29	29
PLANNED	6/15/2018	7	602	86
CUSTOMER REQUEST	6/15/2018	2	106	53
PLANNED	6/15/2018	6	198	33
PLANNED	6/15/2018	6	168	28
PLANNED	6/15/2018	1	44	44

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/15/2018	4	156	39
CUSTOMER REQUEST	6/15/2018	1	64	64
PLANNED	6/15/2018	4	380	95
PLANNED	6/15/2018	4	80	20
PLANNED	6/16/2018	1	214	214
PLANNED	6/16/2018	1	141	141
PLANNED	6/16/2018	1	79	79
PLANNED	6/16/2018	6	864	144
PLANNED	6/16/2018	3	492	164
PLANNED	6/16/2018	1	133	133
PLANNED	6/16/2018	2	100	50
PLANNED	6/16/2018	1	363	363
PLANNED	6/16/2018	1	21	21
PLANNED	6/16/2018	2	298	149
PLANNED	6/16/2018	1	69	69
PLANNED	6/16/2018	1	238	238
PLANNED	6/16/2018	1	130	130
PLANNED	6/16/2018	9	909	101
PLANNED	6/16/2018	3	12	4
PLANNED	6/16/2018	3	210	70
PLANNED	6/16/2018	1	69	69
PLANNED	6/17/2018	1	191	191
PLANNED	6/17/2018	10	1,300	130
PLANNED	6/17/2018	4	436	109
PLANNED	6/17/2018	1	223	223
PLANNED	6/17/2018	2	400	200
PLANNED	6/17/2018	33	891	27
PLANNED	6/17/2018	1	165	165
PLANNED	6/17/2018	24	3,360	140
PLANNED	6/17/2018	10	1,570	157
PLANNED	6/18/2018	1	126	126
PLANNED	6/18/2018	4	700	175
PLANNED	6/18/2018	2	176	88
CUSTOMER REQUEST	6/18/2018	9	2,727	303
PLANNED	6/18/2018	37	2,368	64
PLANNED	6/18/2018	4	240	60
PLANNED	6/18/2018	13	1,664	128
PLANNED	6/18/2018	2	256	128
PLANNED	6/18/2018	4	96	24
CUSTOMER REQUEST	6/18/2018	8	32	4
PLANNED	6/18/2018	13	637	49
PLANNED	6/18/2018	35	10,115	289
PLANNED	6/18/2018	2	184	92
PLANNED	6/18/2018	5	785	157
PLANNED	6/18/2018	6	252	42
PLANNED	6/18/2018	1	78	78
PLANNED	6/18/2018	2	88	44
PLANNED	6/18/2018	1	51	51
PLANNED	6/18/2018	21	210	10
PLANNED	6/18/2018	6	324	54
PLANNED	6/18/2018	4	24	6

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/18/2018	6	1,194	199
PLANNED	6/18/2018	2	76	38
CUSTOMER REQUEST	6/18/2018	1	293	293
CUSTOMER REQUEST	6/18/2018	4	132	33
CUSTOMER REQUEST	6/18/2018	10	40	4
PLANNED	6/18/2018	6	1,104	184
PLANNED	6/18/2018	4	844	211
PLANNED	6/18/2018	3	273	91
PLANNED	6/18/2018	7	1,428	204
PLANNED	6/18/2018	8	456	57
PLANNED	6/18/2018	1	4	4
PLANNED	6/18/2018	5	635	127
PLANNED	6/18/2018	1	57	57
PLANNED	6/18/2018	6	648	108
PLANNED	6/18/2018	8	344	43
PLANNED	6/18/2018	1	74	74
PLANNED	6/18/2018	8	768	96
PLANNED	6/18/2018	11	1,408	128
PLANNED	6/18/2018	10	2,270	227
PLANNED	6/18/2018	7	427	61
PLANNED	6/18/2018	4	900	225
PLANNED	6/18/2018	3	141	47
PLANNED	6/18/2018	3	252	84
PLANNED	6/18/2018	16	2,080	130
PLANNED	6/18/2018	14	1,512	108
PLANNED	6/18/2018	1	98	98
PLANNED	6/18/2018	12	972	81
PLANNED	6/18/2018	2	190	95
PLANNED	6/18/2018	1	87	87
PLANNED	6/18/2018	2	74	37
PLANNED	6/18/2018	4	888	222
PLANNED	6/18/2018	1	37	37
CUSTOMER REQUEST	6/18/2018	2	90	45
PLANNED	6/18/2018	5	55	11
PLANNED	6/18/2018	2	20	10
PLANNED	6/18/2018	2	288	144
PLANNED	6/18/2018	51	102	2
PLANNED	6/18/2018	1	25	25
PLANNED	6/18/2018	10	1,180	118
PLANNED	6/18/2018	7	903	129
PLANNED	6/18/2018	3	6	2
PLANNED	6/18/2018	8	80	10
PLANNED	6/18/2018	7	196	28
PLANNED	6/18/2018	1	84	84
CUSTOMER REQUEST	6/18/2018	11	869	79
PLANNED	6/18/2018	8	440	55
PLANNED	6/18/2018	10	960	96
CUSTOMER REQUEST	6/18/2018	5	55	11
PLANNED	6/18/2018	4	408	102
PLANNED	6/18/2018	5	270	54
PLANNED	6/18/2018	6	60	10

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/18/2018	9	621	69
PLANNED	6/18/2018	4	92	23
PLANNED	6/18/2018	1	32	32
PLANNED	6/18/2018	6	108	18
PLANNED	6/18/2018	2	364	182
PLANNED	6/18/2018	2	176	88
PLANNED	6/18/2018	8	1,392	174
PLANNED	6/18/2018	12	120	10
PLANNED	6/18/2018	2	312	156
PLANNED	6/18/2018	3	231	77
PLANNED	6/18/2018	3	153	51
CUSTOMER REQUEST	6/18/2018	6	174	29
PLANNED	6/18/2018	4	132	33
PLANNED	6/18/2018	5	35	7
PLANNED	6/18/2018	1	56	56
PLANNED	6/18/2018	1	16	16
PLANNED	6/18/2018	1	52	52
PLANNED	6/18/2018	1	65	65
PLANNED	6/18/2018	1	49	49
PLANNED	6/18/2018	1	18	18
PLANNED	6/18/2018	4	88	22
PLANNED	6/18/2018	2	52	26
PLANNED	6/18/2018	1	139	139
CUSTOMER REQUEST	6/18/2018	46	1,472	32
PLANNED	6/18/2018	24	12,288	512
PLANNED	6/18/2018	1	135	135
PLANNED	6/18/2018	1	74	74
PLANNED	6/18/2018	1	263	263
PLANNED	6/19/2018	35	3,990	114
PLANNED	6/19/2018	2	26	13
PLANNED	6/19/2018	3	87	29
PLANNED	6/19/2018	1	121	121
CUSTOMER REQUEST	6/19/2018	5	820	164
PLANNED	6/19/2018	1	76	76
PLANNED	6/19/2018	1	40	40
PLANNED	6/19/2018	4	1,080	270
PLANNED	6/19/2018	19	4,826	254
PLANNED	6/19/2018	3	420	140
PLANNED	6/19/2018	6	156	26
PLANNED	6/19/2018	1	190	190
PLANNED	6/19/2018	26	8,476	326
PLANNED	6/19/2018	9	1,440	160
PLANNED	6/19/2018	9	63	7
PLANNED	6/19/2018	20	2,920	146
CUSTOMER REQUEST	6/19/2018	9	90	10
CUSTOMER REQUEST	6/19/2018	17	119	7
CUSTOMER REQUEST	6/19/2018	8	1,296	162
PLANNED	6/19/2018	8	224	28
PLANNED	6/19/2018	11	506	46
PLANNED	6/19/2018	1	268	268
PLANNED	6/19/2018	3	573	191

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/19/2018	1	118	118
PLANNED	6/19/2018	2	706	353
PLANNED	6/19/2018	9	333	37
PLANNED	6/19/2018	1	10	10
PLANNED	6/19/2018	6	936	156
PLANNED	6/19/2018	17	3,995	235
PLANNED	6/19/2018	1	125	125
PLANNED	6/19/2018	5	225	45
PLANNED	6/19/2018	18	2,808	156
CUSTOMER REQUEST	6/19/2018	6	1,578	263
PLANNED	6/19/2018	13	26	2
PLANNED	6/19/2018	8	424	53
PLANNED	6/19/2018	2	50	25
PLANNED	6/19/2018	3	105	35
PLANNED	6/19/2018	6	714	119
PLANNED	6/19/2018	29	754	26
CUSTOMER REQUEST	6/19/2018	6	138	23
PLANNED	6/19/2018	9	1,809	201
PLANNED	6/19/2018	3	351	117
PLANNED	6/19/2018	9	63	7
PLANNED	6/19/2018	29	2,552	88
PLANNED	6/19/2018	10	1,260	126
PLANNED	6/19/2018	9	747	83
CUSTOMER REQUEST	6/19/2018	44	11,836	269
PLANNED	6/19/2018	11	55	5
CUSTOMER REQUEST	6/19/2018	8	2,536	317
PLANNED	6/19/2018	2	10	5
PLANNED	6/19/2018	8	2,256	282
PLANNED	6/19/2018	4	188	47
PLANNED	6/19/2018	9	2,502	278
PLANNED	6/19/2018	24	24	181
PLANNED	6/19/2018	5	385	77
PLANNED	6/19/2018	2	388	194
CUSTOMER REQUEST	6/19/2018	11	517	47
PLANNED	6/19/2018	1	93	93
PLANNED	6/19/2018	11	2,651	241
CUSTOMER REQUEST	6/19/2018	2	342	171
PLANNED	6/19/2018	20	740	37
PLANNED	6/19/2018	1	166	166
PLANNED	6/19/2018	9	297	33
PLANNED	6/19/2018	4	92	23
PLANNED	6/19/2018	21	4,935	235
PLANNED	6/19/2018	2	252	126
PLANNED	6/19/2018	1	64	64
PLANNED	6/19/2018	7	98	14
PLANNED	6/19/2018	2	142	71
PLANNED	6/19/2018	2	210	105
PLANNED	6/19/2018	1	47	47
PLANNED	6/19/2018	3	417	139
PLANNED	6/19/2018	1	86	86
PLANNED	6/19/2018	10	1,010	101

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/19/2018	31	3,658	118
PLANNED	6/19/2018	12	1,068	89
PLANNED	6/19/2018	4	60	15
PLANNED	6/19/2018	3	54	18
CUSTOMER REQUEST	6/19/2018	1	230	230
PLANNED	6/19/2018	73	13,067	179
PLANNED	6/19/2018	7	476	68
PLANNED	6/19/2018	4	316	79
PLANNED	6/19/2018	11	418	38
PLANNED	6/19/2018	2	310	155
PLANNED	6/19/2018	3	114	38
PLANNED	6/19/2018	2	60	30
PLANNED	6/19/2018	8	456	57
PLANNED	6/19/2018	8	456	57
PLANNED	6/19/2018	1	34	34
PLANNED	6/19/2018	4	400	100
PLANNED	6/19/2018	2	104	52
PLANNED	6/19/2018	5	200	40
PLANNED	6/19/2018	14	756	54
PLANNED	6/19/2018	1	44	44
PLANNED	6/19/2018	2	230	115
PLANNED	6/19/2018	6	324	54
PLANNED	6/19/2018	1	77	77
PLANNED	6/19/2018	10	20	2
PLANNED	6/19/2018	10	780	78
PLANNED	6/19/2018	4	112	28
PLANNED	6/19/2018	1	71	71
PLANNED	6/19/2018	8	384	48
CUSTOMER REQUEST	6/19/2018	1	149	149
PLANNED	6/19/2018	3	165	55
PLANNED	6/19/2018	2	16	8
PLANNED	6/19/2018	1	29	29
PLANNED	6/19/2018	10	130	13
CUSTOMER REQUEST	6/19/2018	1	235	235
PLANNED	6/19/2018	2	350	175
PLANNED	6/19/2018	4	576	144
PLANNED	6/19/2018	2	258	129
PLANNED	6/19/2018	5	50	10
PLANNED	6/19/2018	5	700	140
PLANNED	6/19/2018	1	60	60
PLANNED	6/19/2018	1	121	121
PLANNED	6/19/2018	1	111	111
CUSTOMER REQUEST	6/19/2018	1	34	34
PLANNED	6/19/2018	1	53	53
PLANNED	6/19/2018	1	164	164
PLANNED	6/19/2018	5	80	16
PLANNED	6/19/2018	15	2,400	160
PLANNED	6/19/2018	13	1,911	147
PLANNED	6/20/2018	1	141	141
PLANNED	6/20/2018	4	488	122
PLANNED	6/20/2018	18	2,178	121

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/20/2018	13	2,249	173
PLANNED	6/20/2018	1	93	93
PLANNED	6/20/2018	10	290	29
PLANNED	6/20/2018	1	51	51
PLANNED	6/20/2018	2	126	63
PLANNED	6/20/2018	4	180	45
PLANNED	6/20/2018	1	133	133
PLANNED	6/20/2018	1	32	32
PLANNED	6/20/2018	6	198	33
PLANNED	6/20/2018	14	2,310	165
PLANNED	6/20/2018	7	1,127	161
PLANNED	6/20/2018	4	552	138
PLANNED	6/20/2018	2	18	9
PLANNED	6/20/2018	3	624	208
PLANNED	6/20/2018	5	495	99
PLANNED	6/20/2018	4	372	93
PLANNED	6/20/2018	26	10,166	391
PLANNED	6/20/2018	1	109	109
PLANNED	6/20/2018	6	600	100
PLANNED	6/20/2018	3	189	63
PLANNED	6/20/2018	4	612	153
PLANNED	6/20/2018	3	771	257
PLANNED	6/20/2018	1	116	116
PLANNED	6/20/2018	3	465	155
PLANNED	6/20/2018	11	1,947	177
PLANNED	6/20/2018	79	3,239	41
PLANNED	6/20/2018	4	40	10
PLANNED	6/20/2018	3	135	45
PLANNED	6/20/2018	4	700	175
PLANNED	6/20/2018	4	376	94
PLANNED	6/20/2018	5	305	61
PLANNED	6/20/2018	2	100	50
PLANNED	6/20/2018	8	312	39
PLANNED	6/20/2018	3	18	6
PLANNED	6/20/2018	3	186	62
PLANNED	6/20/2018	9	1,674	186
PLANNED	6/20/2018	2	92	46
PLANNED	6/20/2018	1	168	168
CUSTOMER REQUEST	6/20/2018	4	344	86
CUSTOMER REQUEST	6/20/2018	11	242	22
PLANNED	6/20/2018	2	196	98
PLANNED	6/20/2018	10	2,670	267
CUSTOMER REQUEST	6/20/2018	2	200	100
PLANNED	6/20/2018	21	9,198	438
PLANNED	6/20/2018	2	94	47
PLANNED	6/20/2018	1	8	8
PLANNED	6/20/2018	2	450	225
PLANNED	6/20/2018	2	542	271
CUSTOMER REQUEST	6/20/2018	1	118	118
CUSTOMER REQUEST	6/20/2018	1	170	170
PLANNED	6/20/2018	1	61	61

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/20/2018	7	63	9
PLANNED	6/20/2018	8	104	13
PLANNED	6/20/2018	46	368	8
PLANNED	6/20/2018	3	219	73
PLANNED	6/20/2018	9	522	58
PLANNED	6/20/2018	8	656	82
PLANNED	6/20/2018	3	114	38
PLANNED	6/20/2018	1	48	48
PLANNED	6/20/2018	3	258	86
PLANNED	6/20/2018	8	1,184	148
PLANNED	6/20/2018	3	231	77
PLANNED	6/20/2018	3	183	61
PLANNED	6/20/2018	3	105	35
PLANNED	6/20/2018	30	4,710	157
PLANNED	6/20/2018	1	293	293
PLANNED	6/20/2018	8	1,080	135
PLANNED	6/20/2018	26	702	27
PLANNED	6/20/2018	1	105	105
PLANNED	6/20/2018	3	750	250
PLANNED	6/20/2018	2	212	106
PLANNED	6/20/2018	7	616	88
PLANNED	6/20/2018	6	564	94
PLANNED	6/20/2018	1	70	70
PLANNED	6/20/2018	19	532	28
PLANNED	6/20/2018	1	108	108
PLANNED	6/20/2018	18	3,312	184
CUSTOMER REQUEST	6/20/2018	82	10,168	124
PLANNED	6/20/2018	12	1,920	160
CUSTOMER REQUEST	6/20/2018	9	738	82
PLANNED	6/20/2018	3	159	53
PLANNED	6/20/2018	4	200	50
PLANNED	6/20/2018	6	318	53
PLANNED	6/20/2018	6	666	111
PLANNED	6/20/2018	1	463	463
PLANNED	6/20/2018	50	1,600	32
PLANNED	6/20/2018	2	220	110
PLANNED	6/20/2018	7	1,008	144
PLANNED	6/20/2018	4	416	104
CUSTOMER REQUEST	6/20/2018	3	75	25
CUSTOMER REQUEST	6/20/2018	3	87	29
PLANNED	6/20/2018	2	274	137
PLANNED	6/20/2018	1	29	29
PLANNED	6/20/2018	2	104	52
PLANNED	6/20/2018	21	2,436	116
PLANNED	6/20/2018	3	15	5
PLANNED	6/20/2018	5	285	57
CUSTOMER REQUEST	6/20/2018	3	453	151
PLANNED	6/20/2018	2	90	45
PLANNED	6/20/2018	1	45	45
PLANNED	6/20/2018	12	1,164	97
PLANNED	6/20/2018	4	552	138

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	6/20/2018	15	30	2
PLANNED	6/20/2018	2	210	105
PLANNED	6/20/2018	7	1,974	282
PLANNED	6/20/2018	1	150	150
PLANNED	6/20/2018	1	69	69
PLANNED	6/20/2018	6	726	121
PLANNED	6/20/2018	11	1,056	96
PLANNED	6/20/2018	3	246	82
PLANNED	6/20/2018	1	14	14
PLANNED	6/20/2018	1	13	13
PLANNED	6/20/2018	6	150	25
CUSTOMER REQUEST	6/20/2018	1	40	40
PLANNED	6/20/2018	5	175	35
CUSTOMER REQUEST	6/20/2018	1	249	249
CUSTOMER REQUEST	6/20/2018	8	296	37
PLANNED	6/20/2018	22	198	9
PLANNED	6/20/2018	1	28	28
PLANNED	6/20/2018	1	84	84
PLANNED	6/21/2018	3	63	21
PLANNED	6/21/2018	4	752	188
PLANNED	6/21/2018	1	142	142
PLANNED	6/21/2018	11	1,485	135
PLANNED	6/21/2018	1	52	52
PLANNED	6/21/2018	10	1,730	173
PLANNED	6/21/2018	6	894	149
PLANNED	6/21/2018	4	132	33
PLANNED	6/21/2018	5	1,275	255
PLANNED	6/21/2018	1	255	255
PLANNED	6/21/2018	3	549	183
CUSTOMER REQUEST	6/21/2018	1	382	382
PLANNED	6/21/2018	8	1,360	170
PLANNED	6/21/2018	1	3	3
PLANNED	6/21/2018	12	3,348	279
PLANNED	6/21/2018	1	106	106
PLANNED	6/21/2018	2	76	38
CUSTOMER REQUEST	6/21/2018	2	356	178
CUSTOMER REQUEST	6/21/2018	1	103	103
PLANNED	6/21/2018	1	96	96
PLANNED	6/21/2018	3	192	64
PLANNED	6/21/2018	4	404	101
PLANNED	6/21/2018	5	335	67
CUSTOMER REQUEST	6/21/2018	8	32	4
PLANNED	6/21/2018	18	2,250	125
CUSTOMER REQUEST	6/21/2018	1	208	208
CUSTOMER REQUEST	6/21/2018	8	1,056	132
PLANNED	6/21/2018	8	616	77
PLANNED	6/21/2018	16	832	52
PLANNED	6/21/2018	8	40	5
PLANNED	6/21/2018	7	371	53
PLANNED	6/21/2018	2	292	146
PLANNED	6/21/2018	2	170	85

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/21/2018	4	808	202
PLANNED	6/21/2018	10	830	83
PLANNED	6/21/2018	1	110	110
PLANNED	6/21/2018	5	225	45
PLANNED	6/21/2018	1	72	72
PLANNED	6/21/2018	1	142	142
PLANNED	6/21/2018	1	106	106
PLANNED	6/21/2018	2	166	83
PLANNED	6/21/2018	1	19	19
PLANNED	6/21/2018	33	7,194	218
PLANNED	6/21/2018	1	332	332
PLANNED	6/21/2018	11	198	18
PLANNED	6/21/2018	12	1,560	130
PLANNED	6/21/2018	4	648	162
PLANNED	6/21/2018	1	208	208
PLANNED	6/21/2018	2	176	88
PLANNED	6/21/2018	15	2,925	195
PLANNED	6/21/2018	5	360	72
CUSTOMER REQUEST	6/21/2018	1	174	174
PLANNED	6/21/2018	3	909	303
PLANNED	6/21/2018	2	228	114
PLANNED	6/21/2018	6	408	68
CUSTOMER REQUEST	6/21/2018	3	93	31
PLANNED	6/21/2018	10	1,770	177
PLANNED	6/21/2018	6	1,650	275
PLANNED	6/21/2018	6	2,046	341
PLANNED	6/21/2018	13	3,575	275
PLANNED	6/21/2018	8	1,752	219
PLANNED	6/21/2018	13	858	66
PLANNED	6/21/2018	4	864	216
PLANNED	6/21/2018	1	7	7
PLANNED	6/21/2018	2	148	74
PLANNED	6/21/2018	16	2,768	173
PLANNED	6/21/2018	6	918	153
PLANNED	6/21/2018	1	34	34
PLANNED	6/21/2018	10	2,830	283
CUSTOMER REQUEST	6/21/2018	8	424	53
CUSTOMER REQUEST	6/21/2018	15	30	2
PLANNED	6/21/2018	1	202	202
PLANNED	6/21/2018	12	36	3
CUSTOMER REQUEST	6/21/2018	10	660	66
PLANNED	6/21/2018	15	1,155	77
CUSTOMER REQUEST	6/21/2018	1	71	71
PLANNED	6/21/2018	3	18	6
PLANNED	6/21/2018	5	485	97
PLANNED	6/21/2018	2	66	33
PLANNED	6/21/2018	25	1,125	45
PLANNED	6/21/2018	2	184	92
PLANNED	6/21/2018	22	6,446	293
PLANNED	6/21/2018	1	70	70
PLANNED	6/21/2018	3	219	73

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/21/2018	1	8	8
PLANNED	6/21/2018	1	100	100
PLANNED	6/21/2018	5	840	168
PLANNED	6/21/2018	10	1,280	128
PLANNED	6/21/2018	2	114	57
PLANNED	6/21/2018	5	930	186
PLANNED	6/21/2018	7	1,855	265
PLANNED	6/21/2018	1	74	74
PLANNED	6/21/2018	8	1,992	249
PLANNED	6/21/2018	17	2,414	142
PLANNED	6/21/2018	3	264	88
PLANNED	6/21/2018	5	745	149
PLANNED	6/21/2018	29	2,291	79
CUSTOMER REQUEST	6/21/2018	9	234	26
CUSTOMER REQUEST	6/21/2018	17	5,763	339
PLANNED	6/21/2018	9	567	63
CUSTOMER REQUEST	6/21/2018	7	420	60
PLANNED	6/21/2018	4	280	70
PLANNED	6/21/2018	10	750	75
PLANNED	6/21/2018	5	315	63
PLANNED	6/21/2018	2	170	85
PLANNED	6/21/2018	4	264	66
PLANNED	6/21/2018	7	679	97
PLANNED	6/21/2018	6	60	10
PLANNED	6/21/2018	2	186	93
PLANNED	6/21/2018	4	524	131
CUSTOMER REQUEST	6/21/2018	213	30,672	144
PLANNED	6/21/2018	13	221	17
PLANNED	6/21/2018	1	106	106
PLANNED	6/21/2018	5	160	32
PLANNED	6/21/2018	1	223	223
PLANNED	6/21/2018	3	201	67
PLANNED	6/21/2018	8	1,048	131
PLANNED	6/21/2018	3	81	27
PLANNED	6/21/2018	24	408	17
PLANNED	6/22/2018	14	1,582	113
PLANNED	6/22/2018	1	167	167
PLANNED	6/22/2018	1	82	82
PLANNED	6/22/2018	27	162	6
PLANNED	6/22/2018	6	192	32
PLANNED	6/22/2018	1	126	126
CUSTOMER REQUEST	6/22/2018	12	3,636	303
PLANNED	6/22/2018	18	1,386	77
PLANNED	6/22/2018	2	398	199
PLANNED	6/22/2018	2	262	131
PLANNED	6/22/2018	4	516	129
PLANNED	6/22/2018	3	75	25
PLANNED	6/22/2018	34	12,240	360
PLANNED	6/22/2018	3	252	84
PLANNED	6/22/2018	16	1,296	81
PLANNED	6/22/2018	2	540	270

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/22/2018	2	118	59
PLANNED	6/22/2018	38	2,356	62
PLANNED	6/22/2018	5	180	36
PLANNED	6/22/2018	7	742	106
CUSTOMER REQUEST	6/22/2018	11	462	42
PLANNED	6/22/2018	2	294	147
PLANNED	6/22/2018	2	148	74
PLANNED	6/22/2018	8	1,152	144
PLANNED	6/22/2018	6	816	136
CUSTOMER REQUEST	6/22/2018	6	24	4
PLANNED	6/22/2018	4	20	5
CUSTOMER REQUEST	6/22/2018	1	205	205
PLANNED	6/22/2018	6	342	57
PLANNED	6/22/2018	1	425	425
PLANNED	6/22/2018	6	174	29
PLANNED	6/22/2018	2	78	39
PLANNED	6/22/2018	14	1,470	105
PLANNED	6/22/2018	12	1,632	136
CUSTOMER REQUEST	6/22/2018	21	2,163	103
PLANNED	6/22/2018	9	684	76
CUSTOMER REQUEST	6/22/2018	16	544	34
CUSTOMER REQUEST	6/22/2018	2	488	244
PLANNED	6/22/2018	6	36	6
PLANNED	6/22/2018	10	1,570	157
PLANNED	6/22/2018	3	255	85
PLANNED	6/22/2018	1	29	29
PLANNED	6/22/2018	1	58	58
PLANNED	6/22/2018	1	217	217
PLANNED	6/22/2018	10	190	19
PLANNED	6/22/2018	16	1,008	63
PLANNED	6/22/2018	3	681	227
PLANNED	6/22/2018	8	240	30
PLANNED	6/22/2018	2	136	68
PLANNED	6/22/2018	11	165	15
PLANNED	6/22/2018	1	61	61
PLANNED	6/22/2018	9	972	108
PLANNED	6/22/2018	7	742	106
PLANNED	6/22/2018	1	24	24
PLANNED	6/22/2018	3	60	20
PLANNED	6/22/2018	1	91	91
PLANNED	6/22/2018	2	170	85
PLANNED	6/22/2018	3	15	5
PLANNED	6/22/2018	8	80	10
PLANNED	6/22/2018	8	264	33
PLANNED	6/22/2018	2	170	85
PLANNED	6/22/2018	24	1,728	72
PLANNED	6/22/2018	4	416	104
PLANNED	6/22/2018	2	122	61
PLANNED	6/22/2018	12	384	32
PLANNED	6/22/2018	3	762	254
PLANNED	6/22/2018	1	30	30

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	6/22/2018	1	285	285
PLANNED	6/22/2018	1	75	75
PLANNED	6/22/2018	1	205	205
PLANNED	6/22/2018	1	38	38
CUSTOMER REQUEST	6/22/2018	11	99	9
PLANNED	6/22/2018	7	35	5
PLANNED	6/22/2018	11	385	35
PLANNED	6/22/2018	1	133	133
PLANNED	6/22/2018	2	140	70
PLANNED	6/22/2018	4	352	88
PLANNED	6/22/2018	1	51	51
PLANNED	6/22/2018	1	2	2
PLANNED	6/22/2018	11	583	53
CUSTOMER REQUEST	6/22/2018	2	466	233
PLANNED	6/22/2018	6	36	6
PLANNED	6/22/2018	6	588	98
PLANNED	6/22/2018	15	2,910	194
PLANNED	6/22/2018	1	64	64
PLANNED	6/22/2018	3	141	47
PLANNED	6/22/2018	2	292	146
PLANNED	6/23/2018	2	726	363
PLANNED	6/23/2018	8	104	13
PLANNED	6/23/2018	1	132	132
PLANNED	6/23/2018	20	3,080	154
PLANNED	6/23/2018	2	768	384
PLANNED	6/23/2018	2	86	43
PLANNED	6/23/2018	4	420	105
PLANNED	6/23/2018	31	682	22
PLANNED	6/23/2018	4	640	160
PLANNED	6/23/2018	1	249	249
PLANNED	6/23/2018	1	367	367
PLANNED	6/23/2018	1	88	88
PLANNED	6/23/2018	1	76	76
PLANNED	6/23/2018	3	999	333
PLANNED	6/23/2018	7	2,296	328
PLANNED	6/23/2018	1	251	251
PLANNED	6/23/2018	1	214	214
PLANNED	6/23/2018	1	47	47
PLANNED	6/23/2018	9	1,773	197
PLANNED	6/23/2018	14	742	53
PLANNED	6/23/2018	5	360	72
PLANNED	6/23/2018	7	434	62
PLANNED	6/23/2018	1	98	98
PLANNED	6/23/2018	8	224	28
PLANNED	6/23/2018	2	134	67
PLANNED	6/24/2018	2	164	82
CUSTOMER REQUEST	6/24/2018	1	135	135
PLANNED	6/24/2018	2	282	141
CUSTOMER REQUEST	6/24/2018	1	140	140
PLANNED	6/24/2018	1	161	161
PLANNED	6/24/2018	1	300	300

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/24/2018	2	82	41
PLANNED	6/24/2018	1	47	47
PLANNED	6/24/2018	1	44	44
CUSTOMER REQUEST	6/24/2018	5	505	101
PLANNED	6/24/2018	44	10,076	229
PLANNED	6/24/2018	1	427	427
PLANNED	6/24/2018	1	42	42
PLANNED	6/24/2018	3	192	64
PLANNED	6/24/2018	4	712	178
PLANNED	6/24/2018	5	10	2
PLANNED	6/24/2018	1	36	36
PLANNED	6/24/2018	1	121	121
PLANNED	6/24/2018	1	113	113
CUSTOMER REQUEST	6/24/2018	460	3,680	8
PLANNED	6/25/2018	122	13,542	111
PLANNED	6/25/2018	9	1,458	162
CUSTOMER REQUEST	6/25/2018	6	456	76
CUSTOMER REQUEST	6/25/2018	1	80	80
PLANNED	6/25/2018	1	117	117
PLANNED	6/25/2018	3	132	44
PLANNED	6/25/2018	2	180	90
PLANNED	6/25/2018	1	377	377
PLANNED	6/25/2018	2	250	125
PLANNED	6/25/2018	27	972	36
PLANNED	6/25/2018	34	238	7
PLANNED	6/25/2018	3	702	234
CUSTOMER REQUEST	6/25/2018	8	488	61
PLANNED	6/25/2018	2	80	40
PLANNED	6/25/2018	10	4,870	487
PLANNED	6/25/2018	12	5,736	478
CUSTOMER REQUEST	6/25/2018	7	154	22
PLANNED	6/25/2018	3	315	105
PLANNED	6/25/2018	1	110	110
PLANNED	6/25/2018	2	160	80
PLANNED	6/25/2018	9	927	103
CUSTOMER REQUEST	6/25/2018	128	49,664	388
CUSTOMER REQUEST	6/25/2018	6	276	46
PLANNED	6/25/2018	5	80	16
PLANNED	6/25/2018	16	1,328	83
PLANNED	6/25/2018	6	318	53
PLANNED	6/25/2018	6	846	141
PLANNED	6/25/2018	2	4	2
PLANNED	6/25/2018	2	484	242
PLANNED	6/25/2018	2	30	15
PLANNED	6/25/2018	4	596	149
CUSTOMER REQUEST	6/25/2018	1	180	180
PLANNED	6/25/2018	5	335	67
PLANNED	6/25/2018	1	23	23
PLANNED	6/25/2018	24	8,400	350
PLANNED	6/25/2018	3	75	25
PLANNED	6/25/2018	34	1,904	56

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/25/2018	1	83	83
PLANNED	6/25/2018	4	56	14
CUSTOMER REQUEST	6/25/2018	1	278	278
PLANNED	6/25/2018	1	163	163
PLANNED	6/25/2018	6	150	25
PLANNED	6/25/2018	2	186	93
PLANNED	6/25/2018	6	576	96
PLANNED	6/25/2018	2	28	14
PLANNED	6/25/2018	5	360	72
PLANNED	6/25/2018	2	294	147
PLANNED	6/25/2018	5	670	134
CUSTOMER REQUEST	6/25/2018	38	3,002	79
PLANNED	6/25/2018	1	134	134
PLANNED	6/25/2018	5	520	104
PLANNED	6/25/2018	20	1,780	89
CUSTOMER REQUEST	6/25/2018	8	376	47
PLANNED	6/25/2018	34	3,978	117
PLANNED	6/25/2018	7	357	51
CUSTOMER REQUEST	6/25/2018	1	38	38
PLANNED	6/25/2018	1	21	21
PLANNED	6/25/2018	1	32	32
PLANNED	6/25/2018	4	496	124
PLANNED	6/25/2018	4	528	132
PLANNED	6/25/2018	41	164	4
PLANNED	6/25/2018	3	81	27
PLANNED	6/25/2018	12	132	11
CUSTOMER REQUEST	6/25/2018	1	264	264
PLANNED	6/25/2018	2	64	32
PLANNED	6/25/2018	7	630	90
PLANNED	6/25/2018	3	465	155
PLANNED	6/25/2018	1	13	13
PLANNED	6/25/2018	11	2,002	182
PLANNED	6/25/2018	1	188	188
PLANNED	6/25/2018	1	18	18
PLANNED	6/25/2018	1	73	73
PLANNED	6/25/2018	1	22	22
PLANNED	6/25/2018	3	390	130
PLANNED	6/25/2018	4	324	81
PLANNED	6/25/2018	1	29	29
PLANNED	6/25/2018	2	20	10
PLANNED	6/25/2018	2	32	16
PLANNED	6/25/2018	1	55	55
PLANNED	6/25/2018	1	79	79
PLANNED	6/25/2018	23	1,978	86
PLANNED	6/25/2018	7	609	87
PLANNED	6/25/2018	1	49	49
PLANNED	6/25/2018	9	900	100
PLANNED	6/25/2018	4	168	42
PLANNED	6/25/2018	5	450	90
PLANNED	6/25/2018	2	74	37
PLANNED	6/25/2018	1	54	54

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/25/2018	1	113	113
PLANNED	6/25/2018	14	1,834	131
PLANNED	6/25/2018	2	4	2
PLANNED	6/25/2018	17	680	40
PLANNED	6/25/2018	3	405	135
PLANNED	6/25/2018	7	1,036	148
PLANNED	6/25/2018	10	770	77
PLANNED	6/25/2018	2	752	376
PLANNED	6/25/2018	6	240	40
PLANNED	6/25/2018	1	117	117
PLANNED	6/25/2018	2	466	233
PLANNED	6/26/2018	1	110	110
PLANNED	6/26/2018	2	258	129
PLANNED	6/26/2018	2	218	109
PLANNED	6/26/2018	2	174	87
PLANNED	6/26/2018	29	377	13
PLANNED	6/26/2018	1	75	75
PLANNED	6/26/2018	1	32	32
PLANNED	6/26/2018	12	2,976	248
CUSTOMER REQUEST	6/26/2018	1	34	34
PLANNED	6/26/2018	3	1,224	408
PLANNED	6/26/2018	7	112	16
PLANNED	6/26/2018	5	310	62
PLANNED	6/26/2018	13	585	45
PLANNED	6/26/2018	2	212	106
PLANNED	6/26/2018	1	110	110
PLANNED	6/26/2018	24	2,760	115
PLANNED	6/26/2018	2	296	148
PLANNED	6/26/2018	2	222	111
PLANNED	6/26/2018	1	382	382
PLANNED	6/26/2018	23	6,210	270
PLANNED	6/26/2018	9	1,044	116
PLANNED	6/26/2018	16	4,880	305
PLANNED	6/26/2018	12	1,104	92
PLANNED	6/26/2018	9	36	4
PLANNED	6/26/2018	3	300	100
PLANNED	6/26/2018	9	315	35
PLANNED	6/26/2018	1	28	28
PLANNED	6/26/2018	4	320	80
PLANNED	6/26/2018	12	204	17
CUSTOMER REQUEST	6/26/2018	2	170	85
PLANNED	6/26/2018	5	515	103
CUSTOMER REQUEST	6/26/2018	6	72	12
PLANNED	6/26/2018	7	735	105
CUSTOMER REQUEST	6/26/2018	34	2,652	78
CUSTOMER REQUEST	6/26/2018	15	90	6
CUSTOMER REQUEST	6/26/2018	1	389	389
PLANNED	6/26/2018	2	270	135
PLANNED	6/26/2018	4	208	52
PLANNED	6/26/2018	2	170	85
PLANNED	6/26/2018	5	690	138

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/26/2018	1	20	20
PLANNED	6/26/2018	1	41	41
CUSTOMER REQUEST	6/26/2018	13	221	17
PLANNED	6/26/2018	1	13	13
CUSTOMER REQUEST	6/26/2018	1	3,241	3,241
PLANNED	6/26/2018	2	130	65
PLANNED	6/26/2018	1	13	13
PLANNED	6/26/2018	2	138	69
PLANNED	6/26/2018	10	1,050	105
PLANNED	6/26/2018	6	1,140	190
PLANNED	6/26/2018	5	525	105
PLANNED	6/26/2018	6	630	105
PLANNED	6/26/2018	3	315	105
PLANNED	6/26/2018	5	525	105
PLANNED	6/26/2018	12	3,480	290
PLANNED	6/26/2018	1	64	64
PLANNED	6/26/2018	14	1,890	135
PLANNED	6/26/2018	8	472	59
PLANNED	6/26/2018	1	107	107
PLANNED	6/26/2018	2	76	38
PLANNED	6/26/2018	8	232	29
PLANNED	6/26/2018	10	740	74
PLANNED	6/26/2018	11	1,771	161
PLANNED	6/26/2018	3	252	84
PLANNED	6/26/2018	1	16	16
CUSTOMER REQUEST	6/26/2018	8	744	93
PLANNED	6/26/2018	8	808	101
PLANNED	6/26/2018	41	7,872	192
PLANNED	6/26/2018	2	314	157
PLANNED	6/26/2018	9	1,197	133
PLANNED	6/26/2018	2	104	52
PLANNED	6/26/2018	2	60	30
PLANNED	6/26/2018	1	189	189
PLANNED	6/26/2018	1	39	39
PLANNED	6/26/2018	37	14,097	381
CUSTOMER REQUEST	6/26/2018	1	187	187
CUSTOMER REQUEST	6/26/2018	1	47	47
PLANNED	6/26/2018	4	84	21
PLANNED	6/26/2018	2	26	13
PLANNED	6/26/2018	2	94	47
PLANNED	6/26/2018	5	815	163
PLANNED	6/26/2018	8	1,304	163
PLANNED	6/26/2018	14	1,890	135
PLANNED	6/26/2018	2	252	126
PLANNED	6/26/2018	28	1,876	67
PLANNED	6/26/2018	1	56	56
PLANNED	6/26/2018	10	5,670	567
PLANNED	6/26/2018	2	68	34
PLANNED	6/26/2018	2	218	109
PLANNED	6/26/2018	8	424	53
PLANNED	6/26/2018	4	80	20

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/26/2018	12	5,088	424
PLANNED	6/26/2018	2	180	90
CUSTOMER REQUEST	6/26/2018	1	295	295
PLANNED	6/26/2018	11	1,012	92
PLANNED	6/26/2018	2	122	61
PLANNED	6/26/2018	4	276	69
PLANNED	6/26/2018	1	13	13
PLANNED	6/26/2018	2	100	50
PLANNED	6/26/2018	6	972	162
CUSTOMER REQUEST	6/26/2018	1	18	18
PLANNED	6/26/2018	5	305	61
PLANNED	6/26/2018	1	38	38
PLANNED	6/26/2018	1	84	84
PLANNED	6/26/2018	19	5,263	277
PLANNED	6/26/2018	9	1,080	120
PLANNED	6/26/2018	1	174	174
PLANNED	6/26/2018	34	1,564	46
PLANNED	6/26/2018	2	48	24
PLANNED	6/26/2018	5	675	135
CUSTOMER REQUEST	6/26/2018	1	24	24
PLANNED	6/26/2018	3	42	14
PLANNED	6/26/2018	8	32	4
PLANNED	6/26/2018	10	180	18
PLANNED	6/26/2018	3	135	45
PLANNED	6/26/2018	1	134	134
PLANNED	6/26/2018	1	128	128
PLANNED	6/26/2018	7	399	57
CUSTOMER REQUEST	6/26/2018	2	162	81
PLANNED	6/26/2018	7	441	63
PLANNED	6/26/2018	8	32	4
CUSTOMER REQUEST	6/26/2018	1	143	143
PLANNED	6/26/2018	7	364	52
PLANNED	6/26/2018	4	112	28
PLANNED	6/26/2018	5	35	7
CUSTOMER REQUEST	6/26/2018	2	26	13
PLANNED	6/26/2018	1	70	70
PLANNED	6/26/2018	4	300	75
PLANNED	6/26/2018	3	66	22
CUSTOMER REQUEST	6/26/2018	24	984	41
PLANNED	6/26/2018	1	2	2
CUSTOMER REQUEST	6/26/2018	1	326	326
PLANNED	6/26/2018	1	70	70
PLANNED	6/26/2018	1	154	154
PLANNED	6/26/2018	1	30	30
PLANNED	6/26/2018	9	414	46
PLANNED	6/26/2018	9	405	45
PLANNED	6/26/2018	8	312	39
PLANNED	6/26/2018	11	3,014	274
PLANNED	6/27/2018	2	672	336
PLANNED	6/27/2018	19	1,748	92
PLANNED	6/27/2018	9	1,278	142

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/27/2018	6	1,698	283
PLANNED	6/27/2018	8	824	103
PLANNED	6/27/2018	10	1,000	100
PLANNED	6/27/2018	33	2,178	66
PLANNED	6/27/2018	26	111	86
PLANNED	6/27/2018	2	78	39
PLANNED	6/27/2018	1	214	214
CUSTOMER REQUEST	6/27/2018	13	117	9
PLANNED	6/27/2018	7	189	27
PLANNED	6/27/2018	14	1,204	86
PLANNED	6/27/2018	17	1,751	103
PLANNED	6/27/2018	1	3	3
PLANNED	6/27/2018	1	94	94
PLANNED	6/27/2018	20	2,060	103
PLANNED	6/27/2018	43	3,483	81
PLANNED	6/27/2018	3	1,251	417
PLANNED	6/27/2018	2	152	76
PLANNED	6/27/2018	8	960	120
PLANNED	6/27/2018	1	25	25
PLANNED	6/27/2018	1	62	62
PLANNED	6/27/2018	3	693	231
PLANNED	6/27/2018	4	1,716	429
PLANNED	6/27/2018	14	2,226	159
PLANNED	6/27/2018	4	96	24
PLANNED	6/27/2018	7	385	55
PLANNED	6/27/2018	1	270	270
PLANNED	6/27/2018	1	25	25
PLANNED	6/27/2018	2	422	211
CUSTOMER REQUEST	6/27/2018	1	289	289
PLANNED	6/27/2018	56	7,112	127
PLANNED	6/27/2018	1	80	80
PLANNED	6/27/2018	4	32	8
PLANNED	6/27/2018	12	828	69
PLANNED	6/27/2018	2	306	153
PLANNED	6/27/2018	46	9,246	201
PLANNED	6/27/2018	2	388	194
PLANNED	6/27/2018	5	950	190
PLANNED	6/27/2018	8	1,384	173
PLANNED	6/27/2018	8	1,208	151
PLANNED	6/27/2018	10	270	27
PLANNED	6/27/2018	2	234	117
PLANNED	6/27/2018	8	416	52
PLANNED	6/27/2018	22	1,210	55
PLANNED	6/27/2018	2	386	193
PLANNED	6/27/2018	2	240	120
PLANNED	6/27/2018	9	54	6
PLANNED	6/27/2018	25	6,200	248
PLANNED	6/27/2018	3	531	177
PLANNED	6/27/2018	8	392	49
PLANNED	6/27/2018	5	510	102
PLANNED	6/27/2018	6	60	10

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/27/2018	10	790	79
PLANNED	6/27/2018	7	154	22
PLANNED	6/27/2018	12	1,356	113
PLANNED	6/27/2018	3	300	100
PLANNED	6/27/2018	6	78	13
PLANNED	6/27/2018	1	20	20
PLANNED	6/27/2018	1	296	296
PLANNED	6/27/2018	12	4,656	388
PLANNED	6/27/2018	1	25	25
PLANNED	6/27/2018	5	700	140
PLANNED	6/27/2018	8	648	81
PLANNED	6/27/2018	10	230	23
PLANNED	6/27/2018	17	4,216	248
PLANNED	6/27/2018	8	1,632	204
PLANNED	6/27/2018	8	208	26
PLANNED	6/27/2018	2	84	42
PLANNED	6/27/2018	10	1,120	112
PLANNED	6/27/2018	6	654	109
PLANNED	6/27/2018	10	2,600	260
CUSTOMER REQUEST	6/27/2018	12	624	52
PLANNED	6/27/2018	32	1,568	49
PLANNED	6/27/2018	1	88	88
PLANNED	6/27/2018	13	1,183	91
PLANNED	6/27/2018	4	468	117
PLANNED	6/27/2018	35	1,995	57
PLANNED	6/27/2018	1	162	162
PLANNED	6/27/2018	2	192	96
PLANNED	6/27/2018	3	69	23
PLANNED	6/27/2018	2	32	16
PLANNED	6/27/2018	13	819	63
PLANNED	6/27/2018	3	534	178
PLANNED	6/27/2018	1	52	52
PLANNED	6/27/2018	1	146	146
PLANNED	6/27/2018	2	322	161
PLANNED	6/27/2018	3	48	16
PLANNED	6/27/2018	20	100	5
PLANNED	6/27/2018	1	112	112
CUSTOMER REQUEST	6/27/2018	7	133	19
PLANNED	6/27/2018	5	685	137
PLANNED	6/27/2018	1	75	75
PLANNED	6/27/2018	5	485	97
PLANNED	6/27/2018	25	2,100	84
PLANNED	6/27/2018	12	732	61
PLANNED	6/27/2018	5	285	57
PLANNED	6/27/2018	1	180	180
PLANNED	6/27/2018	14	98	7
PLANNED	6/27/2018	8	592	74
PLANNED	6/27/2018	1	79	79
PLANNED	6/27/2018	2	6	3
PLANNED	6/27/2018	13	2,431	187
PLANNED	6/27/2018	2	72	36

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/27/2018	2	144	72
PLANNED	6/27/2018	4	232	58
PLANNED	6/27/2018	3	1,026	342
PLANNED	6/27/2018	3	108	36
PLANNED	6/27/2018	9	621	69
PLANNED	6/27/2018	12	1,056	88
PLANNED	6/27/2018	5	1,400	280
PLANNED	6/28/2018	1	15	15
CUSTOMER REQUEST	6/28/2018	19	11,400	600
PLANNED	6/28/2018	137	17,125	125
PLANNED	6/28/2018	1	66	66
PLANNED	6/28/2018	1	96	96
PLANNED	6/28/2018	4	208	52
PLANNED	6/28/2018	3	303	101
PLANNED	6/28/2018	1	76	76
PLANNED	6/28/2018	5	230	46
PLANNED	6/28/2018	10	1,070	107
PLANNED	6/28/2018	1	16	16
PLANNED	6/28/2018	1	339	339
PLANNED	6/28/2018	4	476	119
PLANNED	6/28/2018	5	705	141
PLANNED	6/28/2018	3	396	132
PLANNED	6/28/2018	5	545	109
CUSTOMER REQUEST	6/28/2018	11	2,618	238
PLANNED	6/28/2018	3	933	311
PLANNED	6/28/2018	11	1,133	103
PLANNED	6/28/2018	1	110	110
CUSTOMER REQUEST	6/28/2018	1	91	91
PLANNED	6/28/2018	4	552	138
PLANNED	6/28/2018	34	5,168	152
PLANNED	6/28/2018	28	3,696	132
PLANNED	6/28/2018	13	1,638	126
CUSTOMER REQUEST	6/28/2018	8	448	56
PLANNED	6/28/2018	6	1,548	258
PLANNED	6/28/2018	3	114	38
PLANNED	6/28/2018	4	568	142
PLANNED	6/28/2018	10	920	92
PLANNED	6/28/2018	4	620	155
PLANNED	6/28/2018	19	2,071	109
PLANNED	6/28/2018	6	678	113
PLANNED	6/28/2018	8	1,104	138
PLANNED	6/28/2018	49	16,415	335
PLANNED	6/28/2018	8	1,080	135
PLANNED	6/28/2018	8	1,104	138
PLANNED	6/28/2018	20	1,120	56
PLANNED	6/28/2018	15	1,065	71
PLANNED	6/28/2018	1	12	12
PLANNED	6/28/2018	2	314	157
PLANNED	6/28/2018	3	372	124
PLANNED	6/28/2018	6	1,170	195
PLANNED	6/28/2018	7	154	22

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	6/28/2018	1	74	74
PLANNED	6/28/2018	11	7,260	660
PLANNED	6/28/2018	15	4,980	332
PLANNED	6/28/2018	14	1,078	77
PLANNED	6/28/2018	6	222	37
PLANNED	6/28/2018	6	126	21
PLANNED	6/28/2018	11	1,540	140
PLANNED	6/28/2018	33	4,653	141
PLANNED	6/28/2018	16	80	5
CUSTOMER REQUEST	6/28/2018	13	65	5
PLANNED	6/28/2018	1	99	99
CUSTOMER REQUEST	6/28/2018	4	108	27
PLANNED	6/28/2018	26	1,664	64
CUSTOMER REQUEST	6/28/2018	13	2,184	168
PLANNED	6/28/2018	7	2,359	337
PLANNED	6/28/2018	12	324	27
PLANNED	6/28/2018	2	152	76
PLANNED	6/28/2018	1	59	59
PLANNED	6/28/2018	2	88	44
PLANNED	6/28/2018	6	228	38
PLANNED	6/28/2018	24	3,312	138
PLANNED	6/28/2018	25	3,425	137
PLANNED	6/28/2018	1	96	96
PLANNED	6/28/2018	1	193	193
PLANNED	6/28/2018	22	770	35
PLANNED	6/28/2018	2	258	129
PLANNED	6/28/2018	1	139	139
CUSTOMER REQUEST	6/28/2018	5	110	22
PLANNED	6/28/2018	4	564	141
PLANNED	6/28/2018	8	216	27
PLANNED	6/28/2018	10	900	90
PLANNED	6/28/2018	22	858	39
PLANNED	6/28/2018	19	988	52
PLANNED	6/28/2018	2	6	3
PLANNED	6/28/2018	4	1,828	457
PLANNED	6/28/2018	2	88	44
PLANNED	6/28/2018	10	870	87
PLANNED	6/28/2018	5	400	80
PLANNED	6/28/2018	6	486	81
PLANNED	6/28/2018	4	456	114
PLANNED	6/28/2018	2	126	63
PLANNED	6/28/2018	5	515	103
PLANNED	6/28/2018	8	888	111
PLANNED	6/28/2018	8	872	109
PLANNED	6/28/2018	12	2,028	169
PLANNED	6/28/2018	14	2,282	163
PLANNED	6/28/2018	6	90	15
PLANNED	6/28/2018	5	300	60
CUSTOMER REQUEST	6/28/2018	1	53	53
PLANNED	6/28/2018	4	108	27
PLANNED	6/28/2018	3	168	56

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	6/28/2018	3	117	39
PLANNED	6/28/2018	4	688	172
CUSTOMER REQUEST	6/28/2018	4	252	63
PLANNED	6/28/2018	9	396	44
PLANNED	6/28/2018	16	2,112	132
PLANNED	6/28/2018	1	174	174
PLANNED	6/28/2018	1	29	29
CUSTOMER REQUEST	6/28/2018	1	152	152
PLANNED	6/28/2018	3	168	56
PLANNED	6/28/2018	9	90	10
PLANNED	6/28/2018	3	33	11
PLANNED	6/28/2018	3	45	15
PLANNED	6/28/2018	8	224	28
PLANNED	6/28/2018	29	4,698	162
PLANNED	6/28/2018	3	15	5
PLANNED	6/28/2018	4	180	45
PLANNED	6/28/2018	41	328	8
PLANNED	6/28/2018	1	927	927
PLANNED	6/28/2018	1	50	50
PLANNED	6/28/2018	28	2,016	72
PLANNED	6/29/2018	1	116	116
PLANNED	6/29/2018	2	84	42
PLANNED	6/29/2018	1	36	36
PLANNED	6/29/2018	1	118	118
CUSTOMER REQUEST	6/29/2018	18	2,700	150
PLANNED	6/29/2018	2	138	69
CUSTOMER REQUEST	6/29/2018	13	143	11
PLANNED	6/29/2018	20	2,240	112
PLANNED	6/29/2018	4	232	58
PLANNED	6/29/2018	2	326	163
PLANNED	6/29/2018	1	33	33
PLANNED	6/29/2018	14	1,316	94
PLANNED	6/29/2018	4	492	123
PLANNED	6/29/2018	7	1,351	193
PLANNED	6/29/2018	2	80	40
PLANNED	6/29/2018	1	99	99
PLANNED	6/29/2018	3	138	46
PLANNED	6/29/2018	6	252	42
CUSTOMER REQUEST	6/29/2018	8	2,168	271
PLANNED	6/29/2018	12	1,968	164
PLANNED	6/29/2018	1	546	546
PLANNED	6/29/2018	2	182	91
PLANNED	6/29/2018	9	612	68
PLANNED	6/29/2018	7	105	15
PLANNED	6/29/2018	14	252	18
PLANNED	6/29/2018	8	2,056	257
PLANNED	6/29/2018	6	828	138
PLANNED	6/29/2018	1	319	319
PLANNED	6/29/2018	4	192	48
PLANNED	6/29/2018	1	92	92
PLANNED	6/29/2018	5	430	86

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	6/29/2018	16	4,848	303
PLANNED	6/29/2018	3	195	65
PLANNED	6/29/2018	12	252	21
PLANNED	6/29/2018	7	693	99
PLANNED	6/29/2018	2	22	11
CUSTOMER REQUEST	6/29/2018	1	225	225
PLANNED	6/29/2018	15	1,575	105
PLANNED	6/29/2018	3	201	67
PLANNED	6/29/2018	11	11	2
PLANNED	6/29/2018	1	52	52
PLANNED	6/29/2018	2	62	31
PLANNED	6/29/2018	10	1,540	154
PLANNED	6/29/2018	7	308	44
PLANNED	6/29/2018	4	180	45
PLANNED	6/29/2018	5	20	4
PLANNED	6/29/2018	2	394	197
PLANNED	6/29/2018	1	27	27
PLANNED	6/29/2018	4	56	14
PLANNED	6/29/2018	12	324	27
PLANNED	6/29/2018	8	80	10
PLANNED	6/29/2018	16	880	55
PLANNED	6/29/2018	13	104	8
PLANNED	6/29/2018	11	165	15
PLANNED	6/29/2018	5	770	154
PLANNED	6/29/2018	9	531	59
PLANNED	6/29/2018	4	388	97
PLANNED	6/29/2018	4	1,292	323
PLANNED	6/29/2018	2	86	43
CUSTOMER REQUEST	6/29/2018	11	825	75
PLANNED	6/29/2018	1	86	86
PLANNED	6/29/2018	7	70	10
CUSTOMER REQUEST	6/29/2018	1	161	161
CUSTOMER REQUEST	6/29/2018	4	36	9
PLANNED	6/29/2018	1	209	209
PLANNED	6/29/2018	1	60	60
PLANNED	6/29/2018	1	162	162
PLANNED	6/29/2018	8	72	9
PLANNED	6/29/2018	2	366	183
PLANNED	6/29/2018	8	24	3
CUSTOMER REQUEST	6/29/2018	550	31,460	361
CUSTOMER REQUEST	6/29/2018	749	30,310	126
PLANNED	6/30/2018	30	5,400	180
PLANNED	6/30/2018	2	186	93
CUSTOMER REQUEST	6/30/2018	9	81	9
PLANNED	6/30/2018	3	549	183
PLANNED	6/30/2018	1	60	60
PLANNED	6/30/2018	5	345	69
PLANNED	6/30/2018	1	138	138
PLANNED	6/30/2018	3	456	152
PLANNED	6/30/2018	1	347	347
PLANNED	6/30/2018	1	133	133

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	6/30/2018	1	623	623
PLANNED	6/30/2018	11	1,221	111
PLANNED	6/30/2018	16	2,784	174
PLANNED	6/30/2018	139	15,707	113
CUSTOMER REQUEST	6/30/2018	1	155	155
PLANNED	6/30/2018	3	405	135
PLANNED	6/30/2018	3	273	91
PLANNED	6/30/2018	4	368	92
PLANNED	6/30/2018	14	2,044	146
PLANNED	6/30/2018	1	161	161
PLANNED	6/30/2018	1	191	191
PLANNED	6/30/2018	6	1,020	170
PLANNED	6/30/2018	5	455	91
PLANNED	6/30/2018	7	1,218	174
PLANNED	6/30/2018	1	153	153
PLANNED	6/30/2018	13	143	11
PLANNED	6/30/2018	25	3,850	154
PLANNED	6/30/2018	1	58	58
PLANNED	6/30/2018	7	848	174
PLANNED	6/30/2018	3	249	83
PLANNED	6/30/2018	2	108	54
PLANNED	6/30/2018	1	99	99
CUSTOMER REQUEST	6/30/2018	1	89	89
PLANNED	6/30/2018	5	180	36
PLANNED	6/30/2018	1	365	365
CUSTOMER REQUEST	6/30/2018	2	284	142
CUSTOMER REQUEST	7/1/2018	58	11,136	192
PLANNED	7/1/2018	1	490	490
PLANNED	7/1/2018	1	428	428
PLANNED	7/1/2018	1	263	263
PLANNED	7/1/2018	1	105	105
PLANNED	7/1/2018	6	1,056	176
PLANNED	7/1/2018	6	600	100
PLANNED	7/1/2018	1	192	192
CUSTOMER REQUEST	7/1/2018	1	346	346
PLANNED	7/1/2018	4	268	67
PLANNED	7/1/2018	9	1,260	140
PLANNED	7/1/2018	1	48	48
PLANNED	7/1/2018	2	364	182
PLANNED	7/1/2018	6	690	115
PLANNED	7/1/2018	15	2,280	152
PLANNED	7/2/2018	14	3,360	240
CUSTOMER REQUEST	7/2/2018	1	235	235
PLANNED	7/2/2018	6	654	109
PLANNED	7/2/2018	2	100	50
PLANNED	7/2/2018	8	296	37
PLANNED	7/2/2018	1	61	61
PLANNED	7/2/2018	17	1,241	73
CUSTOMER REQUEST	7/2/2018	2	198	99
CUSTOMER REQUEST	7/2/2018	2	114	57
PLANNED	7/2/2018	2	378	189

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/2/2018	4	304	76
PLANNED	7/2/2018	2	330	165
PLANNED	7/2/2018	1	102	102
PLANNED	7/2/2018	6	96	16
PLANNED	7/2/2018	1	145	145
PLANNED	7/2/2018	12	444	37
PLANNED	7/2/2018	1	125	125
PLANNED	7/2/2018	34	4,046	119
CUSTOMER REQUEST	7/2/2018	10	14,980	1,498
PLANNED	7/2/2018	5	425	85
PLANNED	7/2/2018	14	2,632	188
PLANNED	7/2/2018	1	77	77
PLANNED	7/2/2018	8	1,840	230
PLANNED	7/2/2018	5	179	175
PLANNED	7/2/2018	11	2,465	273
PLANNED	7/2/2018	1	75	75
PLANNED	7/2/2018	3	375	125
PLANNED	7/2/2018	5	95	19
PLANNED	7/2/2018	15	3,390	226
PLANNED	7/2/2018	4	100	25
PLANNED	7/2/2018	69	11,178	162
PLANNED	7/2/2018	17	1,003	59
PLANNED	7/2/2018	1	107	107
CUSTOMER REQUEST	7/2/2018	10	490	49
PLANNED	7/2/2018	8	528	66
PLANNED	7/2/2018	9	711	79
PLANNED	7/2/2018	6	912	152
PLANNED	7/2/2018	8	856	107
PLANNED	7/2/2018	1	46	46
PLANNED	7/2/2018	4	464	116
PLANNED	7/2/2018	5	540	108
PLANNED	7/2/2018	61	732	12
PLANNED	7/2/2018	6	546	91
PLANNED	7/2/2018	6	858	143
PLANNED	7/2/2018	4	572	143
PLANNED	7/2/2018	14	616	44
PLANNED	7/2/2018	2	172	86
PLANNED	7/2/2018	1	85	85
PLANNED	7/2/2018	3	474	158
PLANNED	7/2/2018	4	572	143
PLANNED	7/2/2018	6	858	143
PLANNED	7/2/2018	5	40	8
PLANNED	7/2/2018	5	825	165
PLANNED	7/2/2018	65	715	11
PLANNED	7/2/2018	9	819	91
PLANNED	7/2/2018	8	760	95
PLANNED	7/2/2018	7	756	108
PLANNED	7/2/2018	17	1,513	89
PLANNED	7/2/2018	1	61	61
PLANNED	7/2/2018	25	275	11
PLANNED	7/2/2018	4	1,020	255

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/2/2018	1	45	45
PLANNED	7/2/2018	8	624	78
PLANNED	7/2/2018	3	336	112
PLANNED	7/2/2018	8	888	111
PLANNED	7/2/2018	9	621	69
PLANNED	7/2/2018	1	114	114
PLANNED	7/2/2018	1	29	29
PLANNED	7/2/2018	4	224	56
PLANNED	7/2/2018	2	188	94
PLANNED	7/2/2018	4	112	28
CUSTOMER REQUEST	7/2/2018	36	7,848	218
PLANNED	7/2/2018	7	210	30
PLANNED	7/2/2018	3	99	33
PLANNED	7/2/2018	1	88	88
CUSTOMER REQUEST	7/2/2018	2	34	17
PLANNED	7/2/2018	1	52	52
PLANNED	7/2/2018	6	330	55
PLANNED	7/2/2018	11	308	28
PLANNED	7/2/2018	1	51	51
CUSTOMER REQUEST	7/2/2018	1	244	244
PLANNED	7/2/2018	2	386	193
PLANNED	7/2/2018	3	372	124
PLANNED	7/2/2018	1	99	99
CUSTOMER REQUEST	7/2/2018	5	100	20
PLANNED	7/2/2018	4	424	106
PLANNED	7/2/2018	1	74	74
CUSTOMER REQUEST	7/2/2018	1	123	123
PLANNED	7/2/2018	8	144	18
PLANNED	7/2/2018	18	1,242	69
PLANNED	7/2/2018	1	7	7
PLANNED	7/2/2018	1	100	100
CUSTOMER REQUEST	7/2/2018	1	117	117
PLANNED	7/2/2018	2	116	58
PLANNED	7/2/2018	4	416	104
PLANNED	7/2/2018	2	382	191
PLANNED	7/2/2018	10	2,340	234
PLANNED	7/2/2018	1	102	102
PLANNED	7/2/2018	2	152	76
PLANNED	7/2/2018	6	786	131
CUSTOMER REQUEST	7/2/2018	1	53	53
PLANNED	7/2/2018	1	231	231
CUSTOMER REQUEST	7/3/2018	7	4,340	620
PLANNED	7/3/2018	1	196	196
PLANNED	7/3/2018	2	218	109
PLANNED	7/3/2018	6	1,152	192
PLANNED	7/3/2018	2	400	200
PLANNED	7/3/2018	18	1,584	88
PLANNED	7/3/2018	4	336	84
PLANNED	7/3/2018	5	5	1
PLANNED	7/3/2018	3	1,151	560
PLANNED	7/3/2018	6	1,074	179

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/3/2018	10	240	24
PLANNED	7/3/2018	11	583	53
PLANNED	7/3/2018	7	168	24
PLANNED	7/3/2018	2	594	297
PLANNED	7/3/2018	35	2,135	61
PLANNED	7/3/2018	1	43	43
PLANNED	7/3/2018	1	77	77
PLANNED	7/3/2018	9	1,728	192
PLANNED	7/3/2018	2	386	193
PLANNED	7/3/2018	4	212	53
PLANNED	7/3/2018	1	146	146
PLANNED	7/3/2018	8	968	121
PLANNED	7/3/2018	19	1,273	67
PLANNED	7/3/2018	7	1,673	239
PLANNED	7/3/2018	2	164	82
PLANNED	7/3/2018	7	238	34
CUSTOMER REQUEST	7/3/2018	7	56	8
CUSTOMER REQUEST	7/3/2018	8	432	54
PLANNED	7/3/2018	10	1,320	132
PLANNED	7/3/2018	6	396	66
PLANNED	7/3/2018	7	448	64
CUSTOMER REQUEST	7/3/2018	8	32	4
CUSTOMER REQUEST	7/3/2018	15	300	20
CUSTOMER REQUEST	7/3/2018	11	143	13
PLANNED	7/3/2018	8	1,312	164
PLANNED	7/3/2018	3	141	47
CUSTOMER REQUEST	7/3/2018	10	120	12
CUSTOMER REQUEST	7/3/2018	10	740	74
PLANNED	7/3/2018	14	770	55
PLANNED	7/3/2018	8	1,160	145
PLANNED	7/3/2018	1	71	71
PLANNED	7/3/2018	7	1,904	272
PLANNED	7/3/2018	13	832	64
PLANNED	7/3/2018	9	1,314	146
PLANNED	7/3/2018	3	51	17
PLANNED	7/3/2018	14	2,730	227
PLANNED	7/3/2018	5	175	35
PLANNED	7/3/2018	5	745	149
PLANNED	7/3/2018	14	3,820	364
PLANNED	7/3/2018	12	3,216	268
PLANNED	7/3/2018	6	408	68
PLANNED	7/3/2018	10	250	25
PLANNED	7/3/2018	7	567	81
PLANNED	7/3/2018	3	408	136
PLANNED	7/3/2018	1	22	22
CUSTOMER REQUEST	7/3/2018	6	126	21
PLANNED	7/3/2018	16	4,720	295
PLANNED	7/3/2018	7	287	41
PLANNED	7/3/2018	12	2,412	201
PLANNED	7/3/2018	8	168	21
PLANNED	7/3/2018	1	58	58

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/3/2018	4	368	92
PLANNED	7/3/2018	12	3,228	269
PLANNED	7/3/2018	42	462	11
PLANNED	7/3/2018	6	96	16
PLANNED	7/3/2018	2	208	104
PLANNED	7/3/2018	28	2,240	80
PLANNED	7/3/2018	6	324	54
PLANNED	7/3/2018	3	465	155
PLANNED	7/3/2018	1	45	45
CUSTOMER REQUEST	7/3/2018	4	76	19
PLANNED	7/3/2018	8	744	93
PLANNED	7/3/2018	9	432	48
CUSTOMER REQUEST	7/3/2018	12	996	83
PLANNED	7/3/2018	6	480	80
PLANNED	7/3/2018	17	2,061	153
PLANNED	7/3/2018	1	1	1
PLANNED	7/3/2018	1	11	11
PLANNED	7/3/2018	1	57	57
PLANNED	7/3/2018	2	48	24
PLANNED	7/3/2018	18	18	1
PLANNED	7/3/2018	3	3	1
PLANNED	7/3/2018	5	235	47
PLANNED	7/3/2018	3	138	46
PLANNED	7/3/2018	8	296	37
PLANNED	7/3/2018	3	303	101
PLANNED	7/3/2018	1	182	182
PLANNED	7/3/2018	1	112	112
CUSTOMER REQUEST	7/3/2018	14	336	24
PLANNED	7/3/2018	1	81	81
PLANNED	7/3/2018	4	404	101
PLANNED	7/3/2018	8	56	7
PLANNED	7/3/2018	13	1,456	112
PLANNED	7/3/2018	1	84	84
PLANNED	7/3/2018	12	648	54
PLANNED	7/3/2018	3	315	166
PLANNED	7/3/2018	1	36	36
PLANNED	7/3/2018	13	1,911	147
PLANNED	7/3/2018	1	29	29
PLANNED	7/3/2018	3	75	25
PLANNED	7/3/2018	12	24	2
PLANNED	7/3/2018	2	308	154
PLANNED	7/3/2018	1	14	14
PLANNED	7/3/2018	8	200	25
PLANNED	7/3/2018	1	107	107
PLANNED	7/3/2018	1	52	52
PLANNED	7/3/2018	6	846	141
CUSTOMER REQUEST	7/3/2018	1	1,243	1,243
PLANNED	7/3/2018	10	690	69
PLANNED	7/3/2018	2	152	76
PLANNED	7/3/2018	8	680	85
PLANNED	7/3/2018	20	820	41

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/3/2018	4	108	27
PLANNED	7/3/2018	1	68	68
PLANNED	7/3/2018	3	45	15
PLANNED	7/3/2018	1	76	76
PLANNED	7/3/2018	14	1,876	134
PLANNED	7/3/2018	3	81	27
PLANNED	7/4/2018	4	264	66
PLANNED	7/4/2018	8	136	17
PLANNED	7/4/2018	1	60	60
PLANNED	7/4/2018	5	375	75
PLANNED	7/4/2018	1	180	180
PLANNED	7/4/2018	1	37	37
PLANNED	7/4/2018	4	148	37
PLANNED	7/4/2018	7	567	81
CUSTOMER REQUEST	7/4/2018	1	135	135
CUSTOMER REQUEST	7/4/2018	1	75	75
PLANNED	7/5/2018	1	167	167
PLANNED	7/5/2018	1	150	150
PLANNED	7/5/2018	9	1,017	113
PLANNED	7/5/2018	88	6,688	76
PLANNED	7/5/2018	10	650	65
PLANNED	7/5/2018	2	162	81
PLANNED	7/5/2018	5	280	56
PLANNED	7/5/2018	19	2,736	144
PLANNED	7/5/2018	2	192	96
PLANNED	7/5/2018	1	159	159
PLANNED	7/5/2018	4	636	159
CUSTOMER REQUEST	7/5/2018	12	3,024	252
Tornado	7/5/2018	24	3,264	136
PLANNED	7/5/2018	2	8	4
PLANNED	7/5/2018	4	68	17
PLANNED	7/5/2018	9	360	40
PLANNED	7/5/2018	2	196	98
PLANNED	7/5/2018	3	93	31
PLANNED	7/5/2018	4	164	41
PLANNED	7/5/2018	10	510	51
Tornado	7/5/2018	1	231	231
PLANNED	7/5/2018	10	123	114
PLANNED	7/5/2018	1	49	49
CUSTOMER REQUEST	7/5/2018	8	72	9
PLANNED	7/5/2018	1	78	78
CUSTOMER REQUEST	7/5/2018	24	96	4
CUSTOMER REQUEST	7/5/2018	1	39	39
PLANNED	7/5/2018	7	1,106	158
PLANNED	7/5/2018	4	224	56
PLANNED	7/5/2018	2	298	149
PLANNED	7/5/2018	1	43	43
PLANNED	7/5/2018	8	272	34
PLANNED	7/5/2018	8	328	41
PLANNED	7/5/2018	4	472	118
CUSTOMER REQUEST	7/5/2018	14	84	6

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/5/2018	1	294	294
PLANNED	7/5/2018	1	230	230
PLANNED	7/5/2018	39	10,725	275
Tornado	7/5/2018	1	22	22
PLANNED	7/5/2018	3	531	177
Tornado	7/5/2018	8	304	38
Tornado	7/5/2018	1	55	55
Tornado	7/5/2018	4	868	217
PLANNED	7/5/2018	6	486	81
PLANNED	7/5/2018	4	32	8
PLANNED	7/5/2018	1	58	58
Tornado	7/5/2018	33	3,828	116
PLANNED	7/5/2018	12	384	32
PLANNED	7/5/2018	9	666	74
PLANNED	7/5/2018	8	632	79
PLANNED	7/5/2018	9	207	23
PLANNED	7/5/2018	9	459	51
Tornado	7/5/2018	2	96	48
PLANNED	7/5/2018	9	702	78
Tornado	7/5/2018	2	92	46
CUSTOMER REQUEST	7/5/2018	5	715	143
Tornado	7/5/2018	25	3,700	148
PLANNED	7/5/2018	2	200	100
Tornado	7/5/2018	4	260	65
PLANNED	7/5/2018	6	252	42
PLANNED	7/5/2018	4	452	113
PLANNED	7/5/2018	4	308	77
PLANNED	7/5/2018	8	144	18
Tornado	7/5/2018	1	132	132
PLANNED	7/5/2018	10	1,410	141
PLANNED	7/5/2018	1	122	122
Tornado	7/5/2018	15	2,115	141
PLANNED	7/5/2018	15	195	13
PLANNED	7/5/2018	4	116	29
PLANNED	7/5/2018	12	504	42
PLANNED	7/5/2018	2	456	228
PLANNED	7/5/2018	3	210	70
PLANNED	7/5/2018	2	194	97
PLANNED	7/5/2018	11	165	15
Tornado	7/5/2018	1	97	97
Tornado	7/5/2018	2	26	13
PLANNED	7/5/2018	3	129	43
Tornado	7/5/2018	2	208	104
PLANNED	7/5/2018	1	49	49
PLANNED	7/5/2018	8	664	83
Tornado	7/5/2018	8	120	15
PLANNED	7/5/2018	2	118	59
CUSTOMER REQUEST	7/5/2018	4	40	10
PLANNED	7/5/2018	1	190	190
Tornado	7/5/2018	9	1,611	179
Tornado	7/5/2018	8	2,584	323

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	7/5/2018	9	2,295	255
PLANNED	7/6/2018	5	780	156
PLANNED	7/6/2018	1	84	84
PLANNED	7/6/2018	39	3,042	78
PLANNED	7/6/2018	2	378	189
PLANNED	7/6/2018	1	185	185
PLANNED	7/6/2018	4	244	61
PLANNED	7/6/2018	1	56	56
PLANNED	7/6/2018	11	330	30
PLANNED	7/6/2018	19	2,964	156
PLANNED	7/6/2018	9	918	102
PLANNED	7/6/2018	8	864	108
PLANNED	7/6/2018	7	665	95
PLANNED	7/6/2018	4	408	102
CUSTOMER REQUEST	7/6/2018	17	3,655	215
CUSTOMER REQUEST	7/6/2018	20	5,300	265
PLANNED	7/6/2018	15	405	27
PLANNED	7/6/2018	7	112	16
CUSTOMER REQUEST	7/6/2018	11	3,355	305
PLANNED	7/6/2018	27	2,052	76
PLANNED	7/6/2018	4	612	153
PLANNED	7/6/2018	16	2,112	132
PLANNED	7/6/2018	1	22	22
PLANNED	7/6/2018	10	260	26
PLANNED	7/6/2018	8	1,272	159
PLANNED	7/6/2018	7	294	42
PLANNED	7/6/2018	45	2,745	61
PLANNED	7/6/2018	1	54	54
PLANNED	7/6/2018	1	84	84
PLANNED	7/6/2018	2	96	48
PLANNED	7/6/2018	9	360	40
PLANNED	7/6/2018	5	815	163
PLANNED	7/6/2018	1	252	252
PLANNED	7/6/2018	6	174	29
PLANNED	7/6/2018	2	4	2
CUSTOMER REQUEST	7/6/2018	3	39	13
PLANNED	7/6/2018	1	44	44
PLANNED	7/6/2018	4	124	31
CUSTOMER REQUEST	7/6/2018	15	1,335	89
PLANNED	7/6/2018	3	117	39
PLANNED	7/6/2018	8	736	92
PLANNED	7/6/2018	5	675	135
PLANNED	7/6/2018	4	740	185
PLANNED	7/6/2018	2	130	65
PLANNED	7/6/2018	7	1,036	148
PLANNED	7/6/2018	12	108	9
PLANNED	7/6/2018	4	296	74
PLANNED	7/6/2018	8	1,416	177
PLANNED	7/6/2018	10	160	16
PLANNED	7/6/2018	35	5,635	161
PLANNED	7/6/2018	4	132	33

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/6/2018	7	140	20
PLANNED	7/6/2018	9	135	15
CUSTOMER REQUEST	7/6/2018	1	391	391
PLANNED	7/6/2018	1	39	39
PLANNED	7/6/2018	1	146	146
PLANNED	7/6/2018	1	71	71
CUSTOMER REQUEST	7/6/2018	4	1,368	342
PLANNED	7/6/2018	15	405	27
PLANNED	7/6/2018	8	736	92
CUSTOMER REQUEST	7/6/2018	10	1,290	129
PLANNED	7/6/2018	1	57	57
PLANNED	7/6/2018	1	83	83
PLANNED	7/6/2018	1	94	94
PLANNED	7/6/2018	1	62	62
PLANNED	7/6/2018	7	791	113
PLANNED	7/6/2018	6	42	7
PLANNED	7/6/2018	17	2,941	173
PLANNED	7/6/2018	1	93	93
PLANNED	7/6/2018	3	198	66
PLANNED	7/6/2018	6	168	28
PLANNED	7/6/2018	8	360	45
CUSTOMER REQUEST	7/6/2018	2	50	25
PLANNED	7/6/2018	5	140	28
PLANNED	7/6/2018	8	160	20
PLANNED	7/6/2018	4	948	237
CUSTOMER REQUEST	7/6/2018	1	226	226
PLANNED	7/7/2018	10	1,250	125
CUSTOMER REQUEST	7/7/2018	9	1,809	201
PLANNED	7/7/2018	2	306	153
PLANNED	7/7/2018	2	368	184
PLANNED	7/7/2018	7	1,260	180
PLANNED	7/7/2018	1	52	52
PLANNED	7/7/2018	1	64	64
PLANNED	7/7/2018	3	225	75
PLANNED	7/7/2018	7	476	68
PLANNED	7/7/2018	1	175	175
PLANNED	7/7/2018	12	348	29
PLANNED	7/7/2018	2	70	35
PLANNED	7/7/2018	8	1,096	137
PLANNED	7/7/2018	4	1,176	294
PLANNED	7/7/2018	2	134	67
CUSTOMER REQUEST	7/7/2018	1	238	238
PLANNED	7/8/2018	3	756	252
PLANNED	7/8/2018	8	2,008	251
PLANNED	7/8/2018	1	85	85
PLANNED	7/8/2018	1	35	35
PLANNED	7/8/2018	4	356	89
PLANNED	7/8/2018	5	1,245	249
PLANNED	7/8/2018	9	180	20
PLANNED	7/8/2018	2	14	7
PLANNED	7/8/2018	3	192	64

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/8/2018	1	89	89
PLANNED	7/8/2018	33	6,402	194
PLANNED	7/9/2018	6	132	22
PLANNED	7/9/2018	2	20	10
CUSTOMER REQUEST	7/9/2018	35	8,890	254
PLANNED	7/9/2018	1	233	233
PLANNED	7/9/2018	7	798	114
CUSTOMER REQUEST	7/9/2018	1	407	407
PLANNED	7/9/2018	2	308	154
PLANNED	7/9/2018	1	72	72
PLANNED	7/9/2018	25	2,350	94
PLANNED	7/9/2018	3	96	32
PLANNED	7/9/2018	1	283	283
PLANNED	7/9/2018	2	72	36
PLANNED	7/9/2018	5	190	38
CUSTOMER REQUEST	7/9/2018	24	120	5
PLANNED	7/9/2018	25	2,250	90
PLANNED	7/9/2018	10	910	91
PLANNED	7/9/2018	8	1,400	175
PLANNED	7/9/2018	8	1,280	160
PLANNED	7/9/2018	4	204	51
PLANNED	7/9/2018	3	255	85
PLANNED	7/9/2018	4	240	60
PLANNED	7/9/2018	7	56	8
PLANNED	7/9/2018	10	1,320	132
PLANNED	7/9/2018	10	540	54
PLANNED	7/9/2018	4	432	108
PLANNED	7/9/2018	9	18	2
PLANNED	7/9/2018	6	510	85
PLANNED	7/9/2018	6	510	85
PLANNED	7/9/2018	2	100	50
PLANNED	7/9/2018	2	186	93
PLANNED	7/9/2018	5	1,175	235
PLANNED	7/9/2018	15	3,690	246
PLANNED	7/9/2018	5	345	69
PLANNED	7/9/2018	8	480	60
PLANNED	7/9/2018	2	2	1
PLANNED	7/9/2018	21	5,187	247
CUSTOMER REQUEST	7/9/2018	1	61	61
PLANNED	7/9/2018	2	90	45
PLANNED	7/9/2018	3	168	56
PLANNED	7/9/2018	9	873	97
PLANNED	7/9/2018	9	954	106
PLANNED	7/9/2018	8	224	28
PLANNED	7/9/2018	42	3,066	73
PLANNED	7/9/2018	4	796	199
PLANNED	7/9/2018	12	888	74
PLANNED	7/9/2018	8	768	96
PLANNED	7/9/2018	9	81	9
PLANNED	7/9/2018	11	803	73
PLANNED	7/9/2018	6	780	130

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/9/2018	26	2,054	79
CUSTOMER REQUEST	7/9/2018	1	19	19
CUSTOMER REQUEST	7/9/2018	1	381	381
PLANNED	7/9/2018	3	594	198
PLANNED	7/9/2018	4	188	47
PLANNED	7/9/2018	6	264	44
PLANNED	7/9/2018	6	198	33
PLANNED	7/9/2018	9	2,133	237
PLANNED	7/9/2018	3	72	24
PLANNED	7/9/2018	2	308	154
PLANNED	7/9/2018	7	1,386	198
PLANNED	7/9/2018	4	48	12
PLANNED	7/9/2018	9	468	52
PLANNED	7/9/2018	1	66	66
PLANNED	7/9/2018	16	528	33
PLANNED	7/9/2018	3	93	31
PLANNED	7/9/2018	25	2,125	85
PLANNED	7/9/2018	4	124	31
PLANNED	7/9/2018	2	158	79
PLANNED	7/9/2018	2	264	132
PLANNED	7/9/2018	18	486	27
CUSTOMER REQUEST	7/9/2018	24	120	5
PLANNED	7/9/2018	21	3,486	166
PLANNED	7/9/2018	10	340	34
PLANNED	7/9/2018	1	111	111
CUSTOMER REQUEST	7/9/2018	1	73	73
PLANNED	7/9/2018	1	80	80
PLANNED	7/10/2018	4	1,432	358
PLANNED	7/10/2018	2	536	268
PLANNED	7/10/2018	1	140	140
PLANNED	7/10/2018	15	2,190	146
PLANNED	7/10/2018	1	133	133
PLANNED	7/10/2018	1	94	94
PLANNED	7/10/2018	1	475	475
PLANNED	7/10/2018	1	308	308
CUSTOMER REQUEST	7/10/2018	1	822	822
PLANNED	7/10/2018	11	11	1
PLANNED	7/10/2018	1	47	47
PLANNED	7/10/2018	1	63	63
CUSTOMER REQUEST	7/10/2018	2	250	125
CUSTOMER REQUEST	7/10/2018	31	8,587	277
PLANNED	7/10/2018	5	665	133
PLANNED	7/10/2018	3	249	83
PLANNED	7/10/2018	4	360	90
PLANNED	7/10/2018	8	2,344	293
PLANNED	7/10/2018	9	1,404	156
PLANNED	7/10/2018	1	13	13
PLANNED	7/10/2018	8	864	108
PLANNED	7/10/2018	1	54	54
PLANNED	7/10/2018	7	308	44
CUSTOMER REQUEST	7/10/2018	4	260	65

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/10/2018	1	189	189
PLANNED	7/10/2018	4	816	204
PLANNED	7/10/2018	12	504	42
CUSTOMER REQUEST	7/10/2018	6	54	9
PLANNED	7/10/2018	2	624	312
PLANNED	7/10/2018	3	276	92
PLANNED	7/10/2018	12	492	41
CUSTOMER REQUEST	7/10/2018	6	198	33
CUSTOMER REQUEST	7/10/2018	9	81	9
PLANNED	7/10/2018	2	260	130
PLANNED	7/10/2018	4	256	64
PLANNED	7/10/2018	18	6,516	362
PLANNED	7/10/2018	2	40	20
PLANNED	7/10/2018	1	311	311
PLANNED	7/10/2018	3	102	34
CUSTOMER REQUEST	7/10/2018	3	84	28
PLANNED	7/10/2018	3	333	111
PLANNED	7/10/2018	9	1,224	136
PLANNED	7/10/2018	8	728	91
PLANNED	7/10/2018	1	139	139
PLANNED	7/10/2018	8	1,896	237
PLANNED	7/10/2018	6	780	130
PLANNED	7/10/2018	2	222	111
PLANNED	7/10/2018	2	212	106
PLANNED	7/10/2018	10	420	42
PLANNED	7/10/2018	1	123	123
PLANNED	7/10/2018	4	624	156
PLANNED	7/10/2018	8	872	109
PLANNED	7/10/2018	3	219	73
PLANNED	7/10/2018	11	319	29
PLANNED	7/10/2018	14	3,276	234
PLANNED	7/10/2018	4	200	50
PLANNED	7/10/2018	3	519	173
PLANNED	7/10/2018	2	110	55
PLANNED	7/10/2018	4	856	214
PLANNED	7/10/2018	3	45	15
PLANNED	7/10/2018	1	482	482
PLANNED	7/10/2018	4	500	125
CUSTOMER REQUEST	7/10/2018	2	164	82
PLANNED	7/10/2018	10	1,190	119
PLANNED	7/10/2018	1	119	119
PLANNED	7/10/2018	38	2,318	61
PLANNED	7/10/2018	1	66	66
PLANNED	7/10/2018	6	174	29
PLANNED	7/10/2018	8	1,032	129
PLANNED	7/10/2018	2	18	9
PLANNED	7/10/2018	2	74	37
PLANNED	7/10/2018	12	12	1
PLANNED	7/10/2018	8	480	60
PLANNED	7/10/2018	5	110	22
PLANNED	7/10/2018	2	320	160

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/10/2018	2	352	176
PLANNED	7/10/2018	2	218	109
PLANNED	7/10/2018	3	96	32
PLANNED	7/10/2018	8	656	82
PLANNED	7/10/2018	8	656	82
PLANNED	7/10/2018	10	270	27
PLANNED	7/10/2018	3	69	23
CUSTOMER REQUEST	7/10/2018	1	183	183
PLANNED	7/10/2018	14	644	46
PLANNED	7/10/2018	11	693	63
PLANNED	7/10/2018	6	222	37
PLANNED	7/10/2018	3	99	33
PLANNED	7/10/2018	1	66	66
PLANNED	7/10/2018	1	1	1
PLANNED	7/10/2018	1	164	164
PLANNED	7/10/2018	2	190	95
PLANNED	7/10/2018	6	570	95
CUSTOMER REQUEST	7/10/2018	1	76	76
PLANNED	7/10/2018	9	198	22
PLANNED	7/10/2018	14	210	15
PLANNED	7/10/2018	5	215	43
PLANNED	7/10/2018	4	588	147
PLANNED	7/10/2018	3	420	140
PLANNED	7/10/2018	12	480	40
PLANNED	7/10/2018	1	111	111
PLANNED	7/10/2018	8	72	9
CUSTOMER REQUEST	7/10/2018	1	445	445
PLANNED	7/10/2018	3	120	40
CUSTOMER REQUEST	7/10/2018	1	114	114
CUSTOMER REQUEST	7/10/2018	16	5,728	358
PLANNED	7/11/2018	2	280	140
PLANNED	7/11/2018	1	131	131
PLANNED	7/11/2018	8	1,144	143
PLANNED	7/11/2018	5	805	161
PLANNED	7/11/2018	3	330	110
CUSTOMER REQUEST	7/11/2018	3	228	76
PLANNED	7/11/2018	9	783	87
PLANNED	7/11/2018	2	68	34
PLANNED	7/11/2018	12	420	35
PLANNED	7/11/2018	1	95	95
CUSTOMER REQUEST	7/11/2018	31	682	22
PLANNED	7/11/2018	14	126	9
PLANNED	7/11/2018	1	81	81
PLANNED	7/11/2018	2	500	250
PLANNED	7/11/2018	25	3,650	146
PLANNED	7/11/2018	9	117	13
PLANNED	7/11/2018	1	77	77
PLANNED	7/11/2018	6	612	102
PLANNED	7/11/2018	4	772	193
PLANNED	7/11/2018	12	804	67
PLANNED	7/11/2018	6	666	111

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/11/2018	1	268	268
PLANNED	7/11/2018	8	816	102
PLANNED	7/11/2018	4	816	204
PLANNED	7/11/2018	1	19	19
PLANNED	7/11/2018	2	16	8
PLANNED	7/11/2018	6	60	10
CUSTOMER REQUEST	7/11/2018	14	4,452	318
CUSTOMER REQUEST	7/11/2018	6	114	19
PLANNED	7/11/2018	8	152	19
PLANNED	7/11/2018	2	32	16
PLANNED	7/11/2018	1	172	172
PLANNED	7/11/2018	1	60	60
PLANNED	7/11/2018	1	10	10
CUSTOMER REQUEST	7/11/2018	4	456	114
PLANNED	7/11/2018	4	556	139
PLANNED	7/11/2018	1	496	496
PLANNED	7/11/2018	12	360	30
PLANNED	7/11/2018	1	59	59
PLANNED	7/11/2018	4	736	184
PLANNED	7/11/2018	4	736	184
PLANNED	7/11/2018	3	507	169
PLANNED	7/11/2018	6	648	108
PLANNED	7/11/2018	8	616	77
PLANNED	7/11/2018	4	776	194
PLANNED	7/11/2018	5	1,105	221
PLANNED	7/11/2018	1	274	274
PLANNED	7/11/2018	113	2,034	18
CUSTOMER REQUEST	7/11/2018	11	341	31
PLANNED	7/11/2018	14	14	1
PLANNED	7/11/2018	55	1,705	31
PLANNED	7/11/2018	4	1,240	310
PLANNED	7/11/2018	7	469	67
PLANNED	7/11/2018	66	6,204	94
PLANNED	7/11/2018	14	1,960	140
PLANNED	7/11/2018	5	40	8
CUSTOMER REQUEST	7/11/2018	2	444	222
PLANNED	7/11/2018	3	243	81
PLANNED	7/11/2018	4	1,284	321
PLANNED	7/11/2018	8	712	89
PLANNED	7/11/2018	8	712	89
PLANNED	7/11/2018	4	348	87
PLANNED	7/11/2018	1	230	230
PLANNED	7/11/2018	3	300	100
PLANNED	7/11/2018	6	168	28
PLANNED	7/11/2018	2	144	72
PLANNED	7/11/2018	8	16	2
PLANNED	7/11/2018	5	400	80
PLANNED	7/11/2018	3	234	78
CUSTOMER REQUEST	7/11/2018	8	96	12
PLANNED	7/11/2018	9	126	14
CUSTOMER REQUEST	7/11/2018	21	336	16

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/11/2018	7	448	64
PLANNED	7/11/2018	4	272	68
PLANNED	7/11/2018	2	362	181
PLANNED	7/11/2018	3	126	42
PLANNED	7/11/2018	18	2,016	112
PLANNED	7/11/2018	16	1,584	99
PLANNED	7/11/2018	9	846	94
CUSTOMER REQUEST	7/11/2018	33	858	26
PLANNED	7/11/2018	12	2,928	244
PLANNED	7/11/2018	12	2,760	230
PLANNED	7/11/2018	1	248	248
PLANNED	7/11/2018	11	2,160	260
PLANNED	7/11/2018	18	864	48
CUSTOMER REQUEST	7/11/2018	3	393	131
PLANNED	7/11/2018	2	162	81
PLANNED	7/11/2018	1	55	55
PLANNED	7/11/2018	1	151	151
PLANNED	7/11/2018	1	149	149
PLANNED	7/11/2018	20	620	31
PLANNED	7/11/2018	15	2,520	168
PLANNED	7/11/2018	6	180	30
PLANNED	7/11/2018	24	600	25
PLANNED	7/11/2018	4	80	20
PLANNED	7/11/2018	10	690	69
PLANNED	7/11/2018	3	423	141
PLANNED	7/11/2018	6	1,038	173
PLANNED	7/11/2018	10	240	24
PLANNED	7/11/2018	2	100	50
PLANNED	7/11/2018	14	1,372	103
PLANNED	7/11/2018	7	315	45
PLANNED	7/11/2018	3	105	35
PLANNED	7/11/2018	12	348	29
PLANNED	7/11/2018	4	48	12
PLANNED	7/11/2018	2	220	110
PLANNED	7/11/2018	11	660	60
PLANNED	7/11/2018	8	584	73
PLANNED	7/11/2018	17	1,122	66
PLANNED	7/11/2018	6	213	63
PLANNED	7/11/2018	9	594	66
CUSTOMER REQUEST	7/11/2018	2	680	340
CUSTOMER REQUEST	7/11/2018	1	125	125
PLANNED	7/11/2018	2	528	264
PLANNED	7/11/2018	2	92	46
PLANNED	7/11/2018	4	560	140
PLANNED	7/11/2018	6	1,272	212
PLANNED	7/11/2018	1	175	175
PLANNED	7/12/2018	1	101	101
PLANNED	7/12/2018	2	104	52
PLANNED	7/12/2018	1	620	620
PLANNED	7/12/2018	1	114	114
PLANNED	7/12/2018	5	870	174

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/12/2018	2	90	45
PLANNED	7/12/2018	4	184	46
PLANNED	7/12/2018	6	258	43
PLANNED	7/12/2018	2	142	71
PLANNED	7/12/2018	3	357	119
PLANNED	7/12/2018	2	156	78
PLANNED	7/12/2018	7	189	27
CUSTOMER REQUEST	7/12/2018	32	7,488	234
PLANNED	7/12/2018	1	221	221
PLANNED	7/12/2018	2	264	132
PLANNED	7/12/2018	3	27	9
PLANNED	7/12/2018	5	300	60
PLANNED	7/12/2018	10	2,050	205
PLANNED	7/12/2018	10	1,450	145
PLANNED	7/12/2018	9	1,980	220
PLANNED	7/12/2018	10	1,330	133
PLANNED	7/12/2018	18	3,816	212
PLANNED	7/12/2018	8	968	121
PLANNED	7/12/2018	1	74	74
CUSTOMER REQUEST	7/12/2018	8	3,472	434
PLANNED	7/12/2018	6	348	58
PLANNED	7/12/2018	6	1,236	206
PLANNED	7/12/2018	1	133	133
PLANNED	7/12/2018	3	651	217
PLANNED	7/12/2018	2	86	43
PLANNED	7/12/2018	4	776	194
PLANNED	7/12/2018	2	308	154
PLANNED	7/12/2018	12	312	26
PLANNED	7/12/2018	2	38	19
PLANNED	7/12/2018	5	950	190
PLANNED	7/12/2018	1	71	71
PLANNED	7/12/2018	4	164	41
PLANNED	7/12/2018	6	474	79
PLANNED	7/12/2018	3	246	82
PLANNED	7/12/2018	4	36	9
PLANNED	7/12/2018	35	2,380	68
PLANNED	7/12/2018	12	528	44
PLANNED	7/12/2018	11	1,507	137
PLANNED	7/12/2018	12	264	22
PLANNED	7/12/2018	4	380	95
PLANNED	7/12/2018	3	381	127
PLANNED	7/12/2018	6	1,164	194
PLANNED	7/12/2018	12	1,680	140
PLANNED	7/12/2018	7	980	140
PLANNED	7/12/2018	1	56	56
PLANNED	7/12/2018	5	35	7
PLANNED	7/12/2018	12	1,380	115
PLANNED	7/12/2018	4	452	113
PLANNED	7/12/2018	7	1,008	144
PLANNED	7/12/2018	8	136	17
PLANNED	7/12/2018	1	108	108

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/12/2018	6	216	36
PLANNED	7/12/2018	18	1,674	93
PLANNED	7/12/2018	66	1,459	200
PLANNED	7/12/2018	10	1,190	119
PLANNED	7/12/2018	10	910	91
PLANNED	7/12/2018	4	784	196
PLANNED	7/12/2018	5	305	61
PLANNED	7/12/2018	1	78	78
PLANNED	7/12/2018	3	261	87
PLANNED	7/12/2018	2	78	39
PLANNED	7/12/2018	2	252	126
PLANNED	7/12/2018	4	700	175
PLANNED	7/12/2018	4	520	147
PLANNED	7/12/2018	4	980	245
PLANNED	7/12/2018	8	304	38
PLANNED	7/12/2018	2	106	53
PLANNED	7/12/2018	6	348	58
CUSTOMER REQUEST	7/12/2018	6	120	20
PLANNED	7/12/2018	22	506	23
PLANNED	7/12/2018	7	1,064	152
PLANNED	7/12/2018	4	200	50
PLANNED	7/12/2018	4	1,068	267
PLANNED	7/12/2018	2	76	38
PLANNED	7/12/2018	4	368	92
PLANNED	7/12/2018	7	175	25
PLANNED	7/12/2018	1	54	54
PLANNED	7/12/2018	9	576	64
PLANNED	7/12/2018	6	1,218	203
PLANNED	7/12/2018	15	585	39
PLANNED	7/12/2018	1	24	24
PLANNED	7/12/2018	4	224	56
PLANNED	7/12/2018	2	366	183
PLANNED	7/12/2018	1	30	30
PLANNED	7/12/2018	38	114	3
PLANNED	7/12/2018	2	260	130
PLANNED	7/12/2018	1	45	45
PLANNED	7/12/2018	1	11	11
PLANNED	7/12/2018	10	550	55
PLANNED	7/12/2018	5	455	91
PLANNED	7/12/2018	7	777	111
PLANNED	7/12/2018	4	396	99
PLANNED	7/12/2018	8	480	60
CUSTOMER REQUEST	7/12/2018	1	149	149
PLANNED	7/12/2018	10	860	86
PLANNED	7/12/2018	10	860	86
PLANNED	7/12/2018	2	96	48
PLANNED	7/12/2018	4	808	202
PLANNED	7/12/2018	2	206	103
PLANNED	7/12/2018	2	158	79
PLANNED	7/12/2018	3	6	2
PLANNED	7/12/2018	2	130	65

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/12/2018	4	508	127
PLANNED	7/12/2018	1	194	194
PLANNED	7/12/2018	13	4,927	379
PLANNED	7/12/2018	14	378	27
PLANNED	7/12/2018	8	96	12
PLANNED	7/12/2018	11	561	51
PLANNED	7/12/2018	6	996	166
CUSTOMER REQUEST	7/12/2018	8	72	9
PLANNED	7/12/2018	3	87	29
PLANNED	7/12/2018	30	300	10
PLANNED	7/12/2018	3	402	134
PLANNED	7/12/2018	3	189	63
PLANNED	7/12/2018	23	1,495	65
PLANNED	7/12/2018	1	249	249
PLANNED	7/12/2018	5	340	68
PLANNED	7/12/2018	31	7,285	235
PLANNED	7/12/2018	2	66	33
PLANNED	7/12/2018	1	350	350
CUSTOMER REQUEST	7/13/2018	27	5,227	651
PLANNED	7/13/2018	12	456	38
PLANNED	7/13/2018	1	54	54
PLANNED	7/13/2018	1	182	182
PLANNED	7/13/2018	6	1,278	213
PLANNED	7/13/2018	3	126	42
PLANNED	7/13/2018	3	144	48
PLANNED	7/13/2018	8	1,840	230
PLANNED	7/13/2018	7	546	78
PLANNED	7/13/2018	1	29	29
PLANNED	7/13/2018	4	896	224
PLANNED	7/13/2018	4	616	154
PLANNED	7/13/2018	11	3,025	275
CUSTOMER REQUEST	7/13/2018	1	168	168
PLANNED	7/13/2018	11	660	60
PLANNED	7/13/2018	8	1,064	133
PLANNED	7/13/2018	2	298	149
PLANNED	7/13/2018	7	371	53
PLANNED	7/13/2018	8	1,280	160
PLANNED	7/13/2018	8	704	88
PLANNED	7/13/2018	16	1,168	73
PLANNED	7/13/2018	5	950	190
PLANNED	7/13/2018	4	372	93
PLANNED	7/13/2018	6	180	30
PLANNED	7/13/2018	10	680	68
PLANNED	7/13/2018	21	210	10
PLANNED	7/13/2018	7	854	122
CUSTOMER REQUEST	7/13/2018	22	5,280	250
PLANNED	7/13/2018	7	1,659	237
CUSTOMER REQUEST	7/13/2018	22	4,312	196
PLANNED	7/13/2018	10	1,320	132
PLANNED	7/13/2018	10	1,220	122
CUSTOMER REQUEST	7/13/2018	1	376	376

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	7/13/2018	1	375	375
CUSTOMER REQUEST	7/13/2018	1	374	374
PLANNED	7/13/2018	2	140	70
PLANNED	7/13/2018	4	404	101
PLANNED	7/13/2018	1	46	46
PLANNED	7/13/2018	5	495	99
PLANNED	7/13/2018	1	58	58
PLANNED	7/13/2018	6	1,368	228
PLANNED	7/13/2018	1	141	141
PLANNED	7/13/2018	2	110	55
PLANNED	7/13/2018	5	675	135
PLANNED	7/13/2018	7	385	55
PLANNED	7/13/2018	10	80	8
PLANNED	7/13/2018	1	179	179
PLANNED	7/13/2018	5	685	137
PLANNED	7/13/2018	2	156	78
CUSTOMER REQUEST	7/13/2018	1	183	183
PLANNED	7/13/2018	1	70	70
PLANNED	7/13/2018	1	69	69
PLANNED	7/13/2018	5	745	149
PLANNED	7/13/2018	13	546	42
PLANNED	7/13/2018	5	695	139
PLANNED	7/13/2018	8	1,056	132
PLANNED	7/13/2018	2	68	34
PLANNED	7/13/2018	1	68	68
PLANNED	7/13/2018	4	664	166
PLANNED	7/13/2018	8	768	96
PLANNED	7/13/2018	1	47	47
PLANNED	7/13/2018	8	3,072	384
PLANNED	7/13/2018	4	404	101
PLANNED	7/13/2018	7	112	16
PLANNED	7/13/2018	3	123	41
PLANNED	7/13/2018	6	378	63
PLANNED	7/13/2018	11	88	8
PLANNED	7/13/2018	8	192	24
PLANNED	7/13/2018	19	703	37
PLANNED	7/13/2018	54	540	10
PLANNED	7/13/2018	1	90	90
CUSTOMER REQUEST	7/13/2018	1	52	52
PLANNED	7/13/2018	42	420	10
CUSTOMER REQUEST	7/13/2018	6	114	19
PLANNED	7/13/2018	6	96	16
PLANNED	7/13/2018	2	158	79
CUSTOMER REQUEST	7/13/2018	1	115	115
PLANNED	7/13/2018	141	11,562	82
CUSTOMER REQUEST	7/13/2018	3	24	8
PLANNED	7/13/2018	3	630	210
PLANNED	7/14/2018	7	1,883	269
PLANNED	7/14/2018	14	574	41
PLANNED	7/14/2018	3	288	96
PLANNED	7/14/2018	1	64	64

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/14/2018	1	62	62
PLANNED	7/14/2018	4	600	150
PLANNED	7/14/2018	7	686	98
PLANNED	7/14/2018	2	52	26
PLANNED	7/14/2018	3	273	91
PLANNED	7/14/2018	1	11	11
PLANNED	7/14/2018	20	2,360	118
PLANNED	7/14/2018	2	1,302	651
PLANNED	7/14/2018	22	9,328	424
PLANNED	7/14/2018	19	3,382	178
PLANNED	7/14/2018	1	166	166
PLANNED	7/14/2018	1	393	393
PLANNED	7/14/2018	1	274	274
PLANNED	7/14/2018	3	78	26
PLANNED	7/14/2018	1	61	61
PLANNED	7/14/2018	4	320	80
PLANNED	7/14/2018	3	888	296
PLANNED	7/14/2018	2	342	171
PLANNED	7/14/2018	1	246	246
PLANNED	7/14/2018	6	228	38
PLANNED	7/14/2018	3	282	94
PLANNED	7/14/2018	1	157	157
PLANNED	7/14/2018	1	94	94
PLANNED	7/14/2018	1	112	112
PLANNED	7/14/2018	3	159	53
PLANNED	7/14/2018	2	142	71
PLANNED	7/14/2018	7	259	37
PLANNED	7/15/2018	1	134	134
PLANNED	7/15/2018	1	295	295
PLANNED	7/15/2018	1	281	281
PLANNED	7/15/2018	1	151	151
PLANNED	7/15/2018	1	45	45
PLANNED	7/15/2018	13	2,795	215
PLANNED	7/15/2018	1	175	175
CUSTOMER REQUEST	7/15/2018	3	711	237
PLANNED	7/15/2018	4	1,440	360
PLANNED	7/15/2018	2	132	66
PLANNED	7/15/2018	1	75	75
PLANNED	7/15/2018	1	55	55
CUSTOMER REQUEST	7/15/2018	33	2,244	68
PLANNED	7/15/2018	1	170	170
PLANNED	7/15/2018	2	350	175
PLANNED	7/15/2018	3	663	221
PLANNED	7/16/2018	1	83	83
PLANNED	7/16/2018	1	480	480
PLANNED	7/16/2018	1	784	784
PLANNED	7/16/2018	7	896	128
PLANNED	7/16/2018	39	6,318	162
PLANNED	7/16/2018	4	736	184
PLANNED	7/16/2018	1	131	131
PLANNED	7/16/2018	6	228	38

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/16/2018	8	592	74
PLANNED	7/16/2018	8	5,224	653
CUSTOMER REQUEST	7/16/2018	6	2,712	452
CUSTOMER REQUEST	7/16/2018	1	383	383
PLANNED	7/16/2018	6	510	85
PLANNED	7/16/2018	2	130	65
PLANNED	7/16/2018	4	88	22
PLANNED	7/16/2018	2	78	39
CUSTOMER REQUEST	7/16/2018	1	439	439
PLANNED	7/16/2018	2	320	160
PLANNED	7/16/2018	4	800	200
PLANNED	7/16/2018	1	252	252
PLANNED	7/16/2018	4	696	174
PLANNED	7/16/2018	6	504	84
PLANNED	7/16/2018	2	292	146
PLANNED	7/16/2018	15	2,085	139
PLANNED	7/16/2018	87	33,582	386
PLANNED	7/16/2018	10	2,210	221
PLANNED	7/16/2018	6	984	164
PLANNED	7/16/2018	44	132	3
PLANNED	7/16/2018	3	210	70
CUSTOMER REQUEST	7/16/2018	7	2,534	362
PLANNED	7/16/2018	8	648	81
PLANNED	7/16/2018	2	192	96
PLANNED	7/16/2018	3	288	96
PLANNED	7/16/2018	2	192	96
PLANNED	7/16/2018	3	267	89
PLANNED	7/16/2018	21	2,184	104
PLANNED	7/16/2018	18	1,242	69
PLANNED	7/16/2018	8	448	56
PLANNED	7/16/2018	2	148	74
PLANNED	7/16/2018	8	928	116
PLANNED	7/16/2018	1	126	126
PLANNED	7/16/2018	12	288	24
PLANNED	7/16/2018	1	70	70
PLANNED	7/16/2018	5	830	166
PLANNED	7/16/2018	7	1,778	254
PLANNED	7/16/2018	5	315	63
CUSTOMER REQUEST	7/16/2018	3	213	71
PLANNED	7/16/2018	12	216	18
PLANNED	7/16/2018	3	369	123
PLANNED	7/16/2018	47	2,820	60
PLANNED	7/16/2018	4	852	213
PLANNED	7/16/2018	5	480	96
PLANNED	7/16/2018	8	696	87
PLANNED	7/16/2018	4	172	43
PLANNED	7/16/2018	6	438	73
PLANNED	7/16/2018	2	80	40
PLANNED	7/16/2018	17	2,516	148
PLANNED	7/16/2018	8	432	54
PLANNED	7/16/2018	5	1,135	227

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/16/2018	7	49	7
PLANNED	7/16/2018	1	48	48
PLANNED	7/16/2018	8	1,328	166
PLANNED	7/16/2018	6	996	166
PLANNED	7/16/2018	4	244	61
PLANNED	7/16/2018	7	609	87
PLANNED	7/16/2018	8	584	73
PLANNED	7/16/2018	8	488	61
PLANNED	7/16/2018	1	323	323
PLANNED	7/16/2018	6	330	55
PLANNED	7/16/2018	10	430	43
CUSTOMER REQUEST	7/16/2018	4	184	46
PLANNED	7/16/2018	9	1,170	130
PLANNED	7/16/2018	9	1,170	130
PLANNED	7/16/2018	2	64	32
PLANNED	7/16/2018	13	2,041	157
PLANNED	7/16/2018	6	558	93
PLANNED	7/16/2018	1	32	32
CUSTOMER REQUEST	7/16/2018	4	112	28
CUSTOMER REQUEST	7/16/2018	1	260	260
PLANNED	7/16/2018	17	2,312	136
CUSTOMER REQUEST	7/16/2018	3	63	21
PLANNED	7/16/2018	8	264	33
PLANNED	7/16/2018	1	126	126
PLANNED	7/16/2018	11	1,045	95
PLANNED	7/16/2018	9	792	88
PLANNED	7/16/2018	3	345	115
PLANNED	7/16/2018	8	424	53
PLANNED	7/16/2018	4	1,316	329
PLANNED	7/16/2018	1	73	73
PLANNED	7/16/2018	2	178	89
PLANNED	7/16/2018	10	1,720	172
PLANNED	7/16/2018	1	136	136
PLANNED	7/16/2018	3	99	33
CUSTOMER REQUEST	7/16/2018	12	708	59
PLANNED	7/16/2018	1	26	26
CUSTOMER REQUEST	7/16/2018	2	96	48
PLANNED	7/16/2018	4	972	243
PLANNED	7/16/2018	3	417	139
PLANNED	7/16/2018	9	2,214	246
PLANNED	7/17/2018	11	1,760	160
PLANNED	7/17/2018	1	18	18
PLANNED	7/17/2018	2	112	56
PLANNED	7/17/2018	34	5,814	171
PLANNED	7/17/2018	10	1,700	170
PLANNED	7/17/2018	1	117	117
PLANNED	7/17/2018	4	364	91
PLANNED	7/17/2018	23	2,829	123
PLANNED	7/17/2018	1	214	214
PLANNED	7/17/2018	18	828	46
PLANNED	7/17/2018	1	124	124

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/17/2018	26	6,084	234
PLANNED	7/17/2018	4	4	1
PLANNED	7/17/2018	1	198	198
PLANNED	7/17/2018	4	896	224
CUSTOMER REQUEST	7/17/2018	27	7,722	286
PLANNED	7/17/2018	12	2,532	211
CUSTOMER REQUEST	7/17/2018	3	1,521	507
PLANNED	7/17/2018	24	6,984	291
PLANNED	7/17/2018	1	133	133
CUSTOMER REQUEST	7/17/2018	16	3,520	220
PLANNED	7/17/2018	10	1,020	102
PLANNED	7/17/2018	2	212	106
PLANNED	7/17/2018	1	355	355
PLANNED	7/17/2018	14	1,232	88
PLANNED	7/17/2018	9	801	89
PLANNED	7/17/2018	8	408	51
PLANNED	7/17/2018	1	81	81
PLANNED	7/17/2018	5	1,500	300
PLANNED	7/17/2018	20	3,560	178
PLANNED	7/17/2018	10	1,260	126
PLANNED	7/17/2018	1	13	13
PLANNED	7/17/2018	8	344	43
PLANNED	7/17/2018	7	189	27
PLANNED	7/17/2018	9	81	9
PLANNED	7/17/2018	4	212	53
PLANNED	7/17/2018	12	3,024	252
PLANNED	7/17/2018	8	1,512	189
PLANNED	7/17/2018	2	282	141
CUSTOMER REQUEST	7/17/2018	1	288	288
PLANNED	7/17/2018	5	420	84
CUSTOMER REQUEST	7/17/2018	4	1,144	286
PLANNED	7/17/2018	1	121	121
PLANNED	7/17/2018	7	147	21
PLANNED	7/17/2018	3	234	78
PLANNED	7/17/2018	9	1,719	191
PLANNED	7/17/2018	6	126	21
PLANNED	7/17/2018	8	1,736	217
PLANNED	7/17/2018	1	99	99
PLANNED	7/17/2018	2	274	137
PLANNED	7/17/2018	7	217	31
PLANNED	7/17/2018	9	297	33
PLANNED	7/17/2018	9	45	5
PLANNED	7/17/2018	1	127	127
PLANNED	7/17/2018	10	340	34
PLANNED	7/17/2018	1	42	42
PLANNED	7/17/2018	5	835	167
PLANNED	7/17/2018	8	1,112	139
PLANNED	7/17/2018	8	320	40
PLANNED	7/17/2018	4	112	28
PLANNED	7/17/2018	3	747	249
PLANNED	7/17/2018	2	46	23

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/17/2018	4	620	155
PLANNED	7/17/2018	4	780	195
PLANNED	7/17/2018	6	378	63
PLANNED	7/17/2018	4	556	139
PLANNED	7/17/2018	3	231	77
CUSTOMER REQUEST	7/17/2018	5	295	59
PLANNED	7/17/2018	2	150	75
PLANNED	7/17/2018	8	576	72
PLANNED	7/17/2018	2	426	213
PLANNED	7/17/2018	1	212	212
PLANNED	7/17/2018	2	246	123
PLANNED	7/17/2018	7	665	95
PLANNED	7/17/2018	1	54	54
PLANNED	7/17/2018	1	41	41
PLANNED	7/17/2018	5	780	156
PLANNED	7/17/2018	1	24	24
PLANNED	7/17/2018	17	3,842	226
PLANNED	7/17/2018	10	1,350	135
PLANNED	7/17/2018	1	76	76
PLANNED	7/17/2018	9	1,143	127
CUSTOMER REQUEST	7/17/2018	2	56	28
CUSTOMER REQUEST	7/17/2018	41	1,394	34
PLANNED	7/17/2018	2	698	349
PLANNED	7/17/2018	3	117	39
PLANNED	7/17/2018	8	512	64
PLANNED	7/17/2018	17	714	42
PLANNED	7/17/2018	6	564	94
PLANNED	7/17/2018	4	164	41
PLANNED	7/17/2018	8	472	59
PLANNED	7/17/2018	1	8	8
PLANNED	7/17/2018	4	20	5
PLANNED	7/17/2018	4	12	3
PLANNED	7/17/2018	2	70	35
CUSTOMER REQUEST	7/17/2018	3	66	22
PLANNED	7/17/2018	4	340	85
PLANNED	7/17/2018	9	450	50
PLANNED	7/17/2018	10	520	52
PLANNED	7/17/2018	3	168	56
PLANNED	7/17/2018	8	624	78
PLANNED	7/17/2018	14	1,078	77
CUSTOMER REQUEST	7/17/2018	1	131	131
CUSTOMER REQUEST	7/17/2018	3	162	54
PLANNED	7/17/2018	12	720	60
PLANNED	7/17/2018	2	202	101
PLANNED	7/17/2018	1	199	199
PLANNED	7/17/2018	1	155	155
PLANNED	7/17/2018	2	40	20
PLANNED	7/17/2018	1	491	491
PLANNED	7/17/2018	6	546	91
PLANNED	7/17/2018	9	279	31
PLANNED	7/17/2018	1	105	105

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/17/2018	1	171	171
PLANNED	7/17/2018	1	195	195
PLANNED	7/18/2018	35	4,130	118
PLANNED	7/18/2018	18	1,764	98
PLANNED	7/18/2018	15	975	65
PLANNED	7/18/2018	10	2,270	227
PLANNED	7/18/2018	25	2,525	101
PLANNED	7/18/2018	1	49	49
PLANNED	7/18/2018	7	833	119
PLANNED	7/18/2018	14	1,666	119
CUSTOMER REQUEST	7/18/2018	1	459	459
PLANNED	7/18/2018	1	16	16
PLANNED	7/18/2018	1	138	138
PLANNED	7/18/2018	5	1,160	232
PLANNED	7/18/2018	4	708	177
PLANNED	7/18/2018	1	124	124
PLANNED	7/18/2018	9	1,194	260
PLANNED	7/18/2018	5	125	25
PLANNED	7/18/2018	2	304	152
PLANNED	7/18/2018	12	2,004	167
CUSTOMER REQUEST	7/18/2018	5	1,680	336
PLANNED	7/18/2018	24	720	30
PLANNED	7/18/2018	3	660	220
PLANNED	7/18/2018	6	366	61
PLANNED	7/18/2018	3	615	205
PLANNED	7/18/2018	10	860	86
PLANNED	7/18/2018	11	946	86
PLANNED	7/18/2018	4	352	88
CUSTOMER REQUEST	7/18/2018	1	77	77
PLANNED	7/18/2018	1	123	123
PLANNED	7/18/2018	2	54	27
PLANNED	7/18/2018	6	102	17
PLANNED	7/18/2018	4	296	74
PLANNED	7/18/2018	5	615	123
PLANNED	7/18/2018	5	220	44
PLANNED	7/18/2018	8	1,120	140
PLANNED	7/18/2018	13	715	55
PLANNED	7/18/2018	6	588	98
CUSTOMER REQUEST	7/18/2018	22	1,892	86
PLANNED	7/18/2018	6	78	13
PLANNED	7/18/2018	1	132	132
PLANNED	7/18/2018	8	800	100
PLANNED	7/18/2018	1	400	400
PLANNED	7/18/2018	5	1,000	200
PLANNED	7/18/2018	35	1,575	45
PLANNED	7/18/2018	2	160	80
PLANNED	7/18/2018	10	2,310	231
PLANNED	7/18/2018	5	605	121
CUSTOMER REQUEST	7/18/2018	12	324	27
PLANNED	7/18/2018	26	2,106	81
CUSTOMER REQUEST	7/18/2018	1	80	80

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/18/2018	1	206	206
PLANNED	7/18/2018	5	285	57
PLANNED	7/18/2018	6	444	74
PLANNED	7/18/2018	4	224	56
PLANNED	7/18/2018	8	1,640	205
PLANNED	7/18/2018	9	2,097	233
PLANNED	7/18/2018	21	6,001	453
PLANNED	7/18/2018	8	488	61
PLANNED	7/18/2018	8	432	54
PLANNED	7/18/2018	9	567	63
PLANNED	7/18/2018	24	10,200	425
PLANNED	7/18/2018	6	474	79
PLANNED	7/18/2018	9	540	60
PLANNED	7/18/2018	8	456	57
PLANNED	7/18/2018	3	207	69
PLANNED	7/18/2018	8	1,640	205
CUSTOMER REQUEST	7/18/2018	5	1,250	250
PLANNED	7/18/2018	4	1,108	277
PLANNED	7/18/2018	16	784	49
PLANNED	7/18/2018	13	1,391	107
PLANNED	7/18/2018	16	624	39
PLANNED	7/18/2018	1	217	217
PLANNED	7/18/2018	1	215	215
PLANNED	7/18/2018	4	444	111
PLANNED	7/18/2018	2	180	90
PLANNED	7/18/2018	10	1,750	175
CUSTOMER REQUEST	7/18/2018	3	1,446	482
PLANNED	7/18/2018	3	78	26
PLANNED	7/18/2018	14	140	10
PLANNED	7/18/2018	2	48	24
PLANNED	7/18/2018	7	1,022	146
PLANNED	7/18/2018	8	440	55
PLANNED	7/18/2018	2	110	55
PLANNED	7/18/2018	1	55	55
PLANNED	7/18/2018	5	350	70
PLANNED	7/18/2018	10	400	40
PLANNED	7/18/2018	1	41	41
PLANNED	7/18/2018	7	245	35
PLANNED	7/18/2018	12	1,140	95
PLANNED	7/18/2018	1	22	22
PLANNED	7/18/2018	3	183	61
PLANNED	7/18/2018	4	336	84
PLANNED	7/18/2018	6	264	44
PLANNED	7/18/2018	1	43	43
PLANNED	7/18/2018	2	118	59
PLANNED	7/18/2018	1	91	91
PLANNED	7/18/2018	1	19	19
PLANNED	7/18/2018	203	609	3
CUSTOMER REQUEST	7/18/2018	1	98	98
PLANNED	7/18/2018	17	697	41
PLANNED	7/18/2018	7	623	89

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	7/18/2018	10	150	15
CUSTOMER REQUEST	7/18/2018	3	102	34
PLANNED	7/18/2018	1	42	42
PLANNED	7/18/2018	4	192	48
CUSTOMER REQUEST	7/18/2018	1	247	247
PLANNED	7/18/2018	5	155	31
CUSTOMER REQUEST	7/18/2018	1	159	159
PLANNED	7/18/2018	8	96	12
PLANNED	7/18/2018	2	294	147
PLANNED	7/18/2018	1	80	80
PLANNED	7/18/2018	2	36	18
PLANNED	7/18/2018	6	720	120
PLANNED	7/18/2018	4	844	211
PLANNED	7/18/2018	12	2,160	180
PLANNED	7/18/2018	3	570	190
PLANNED	7/18/2018	1	229	229
PLANNED	7/18/2018	7	1,995	285
PLANNED	7/18/2018	6	1,770	295
PLANNED	7/19/2018	10	3,790	379
PLANNED	7/19/2018	1	133	133
PLANNED	7/19/2018	4	604	151
PLANNED	7/19/2018	10	1,600	160
PLANNED	7/19/2018	6	612	102
CUSTOMER REQUEST	7/19/2018	1	281	281
PLANNED	7/19/2018	8	2,512	314
PLANNED	7/19/2018	10	1,300	130
PLANNED	7/19/2018	6	582	97
PLANNED	7/19/2018	2	28	14
PLANNED	7/19/2018	5	375	75
PLANNED	7/19/2018	5	815	163
PLANNED	7/19/2018	16	1,472	92
CUSTOMER REQUEST	7/19/2018	1	26	26
PLANNED	7/19/2018	6	1,092	182
PLANNED	7/19/2018	35	3,465	99
PLANNED	7/19/2018	3	423	141
CUSTOMER REQUEST	7/19/2018	5	115	23
PLANNED	7/19/2018	4	148	37
PLANNED	7/19/2018	6	150	25
PLANNED	7/19/2018	7	2,044	292
PLANNED	7/19/2018	8	608	76
PLANNED	7/19/2018	5	170	34
PLANNED	7/19/2018	2	68	34
PLANNED	7/19/2018	6	462	77
PLANNED	7/19/2018	16	1,040	65
PLANNED	7/19/2018	2	228	114
PLANNED	7/19/2018	4	808	202
PLANNED	7/19/2018	7	952	136
PLANNED	7/19/2018	15	2,070	138
PLANNED	7/19/2018	1	76	76
PLANNED	7/19/2018	6	366	61
PLANNED	7/19/2018	2	486	243

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/19/2018	9	441	49
PLANNED	7/19/2018	5	570	114
PLANNED	7/19/2018	15	525	35
PLANNED	7/19/2018	4	1,044	261
PLANNED	7/19/2018	8	504	63
PLANNED	7/19/2018	5	300	60
PLANNED	7/19/2018	6	264	44
PLANNED	7/19/2018	7	308	44
CUSTOMER REQUEST	7/19/2018	5	85	17
PLANNED	7/19/2018	87	9,570	110
PLANNED	7/19/2018	2	304	152
PLANNED	7/19/2018	6	354	59
PLANNED	7/19/2018	4	196	49
CUSTOMER REQUEST	7/19/2018	8	120	15
PLANNED	7/19/2018	10	2,470	247
PLANNED	7/19/2018	2	672	336
PLANNED	7/19/2018	5	1,100	220
PLANNED	7/19/2018	5	265	53
PLANNED	7/19/2018	4	240	60
PLANNED	7/19/2018	2	46	23
PLANNED	7/19/2018	7	840	120
PLANNED	7/19/2018	4	796	199
PLANNED	7/19/2018	8	2,184	273
PLANNED	7/19/2018	18	4,734	263
PLANNED	7/19/2018	50	2,405	158
CUSTOMER REQUEST	7/19/2018	49	637	13
PLANNED	7/19/2018	6	438	73
PLANNED	7/19/2018	2	190	95
PLANNED	7/19/2018	1	76	76
PLANNED	7/19/2018	3	462	154
PLANNED	7/19/2018	11	649	59
PLANNED	7/19/2018	3	918	306
PLANNED	7/19/2018	10	580	58
PLANNED	7/19/2018	5	410	82
PLANNED	7/19/2018	1	137	137
PLANNED	7/19/2018	1	77	77
PLANNED	7/19/2018	4	56	14
PLANNED	7/19/2018	8	280	35
PLANNED	7/19/2018	2	72	36
PLANNED	7/19/2018	2	88	44
PLANNED	7/19/2018	4	752	188
PLANNED	7/19/2018	1	7	7
PLANNED	7/19/2018	1	49	49
PLANNED	7/19/2018	2	70	35
PLANNED	7/19/2018	1	174	174
PLANNED	7/19/2018	6	288	48
PLANNED	7/19/2018	14	3,598	257
PLANNED	7/19/2018	19	1,938	102
PLANNED	7/19/2018	5	420	84
PLANNED	7/19/2018	5	165	33
PLANNED	7/19/2018	4	240	60

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/19/2018	3	108	36
CUSTOMER REQUEST	7/19/2018	6	336	56
PLANNED	7/19/2018	8	1,400	175
PLANNED	7/19/2018	9	477	53
PLANNED	7/19/2018	11	704	64
PLANNED	7/19/2018	2	204	102
PLANNED	7/19/2018	1	31	31
PLANNED	7/19/2018	3	243	81
PLANNED	7/19/2018	3	267	89
PLANNED	7/19/2018	4	296	74
PLANNED	7/19/2018	5	390	78
PLANNED	7/19/2018	8	512	64
PLANNED	7/19/2018	5	95	19
PLANNED	7/19/2018	1	36	36
PLANNED	7/19/2018	5	85	17
PLANNED	7/19/2018	4	436	109
PLANNED	7/19/2018	4	184	46
PLANNED	7/19/2018	6	144	24
PLANNED	7/19/2018	8	1,072	134
PLANNED	7/19/2018	1	104	104
CUSTOMER REQUEST	7/19/2018	1	66	66
PLANNED	7/19/2018	1	51	51
PLANNED	7/19/2018	1	98	98
PLANNED	7/19/2018	1	166	166
PLANNED	7/19/2018	9	477	53
PLANNED	7/19/2018	7	693	99
PLANNED	7/20/2018	1	181	181
PLANNED	7/20/2018	42	25,494	607
PLANNED	7/20/2018	4	280	70
PLANNED	7/20/2018	1	52	52
PLANNED	7/20/2018	1	34	34
PLANNED	7/20/2018	1	147	147
PLANNED	7/20/2018	42	6,048	144
PLANNED	7/20/2018	3	231	77
PLANNED	7/20/2018	12	504	42
PLANNED	7/20/2018	8	520	65
PLANNED	7/20/2018	8	576	72
PLANNED	7/20/2018	7	350	50
PLANNED	7/20/2018	1	103	103
PLANNED	7/20/2018	3	675	225
PLANNED	7/20/2018	3	174	58
PLANNED	7/20/2018	5	525	105
PLANNED	7/20/2018	8	1,440	180
PLANNED	7/20/2018	1	163	163
PLANNED	7/20/2018	25	7,200	288
PLANNED	7/20/2018	3	105	35
PLANNED	7/20/2018	2	386	193
PLANNED	7/20/2018	56	16,128	288
PLANNED	7/20/2018	12	960	80
PLANNED	7/20/2018	3	279	93
PLANNED	7/20/2018	4	400	100

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/20/2018	1	37	37
CUSTOMER REQUEST	7/20/2018	4	56	14
PLANNED	7/20/2018	1	114	114
PLANNED	7/20/2018	1	74	74
PLANNED	7/20/2018	1	78	78
PLANNED	7/20/2018	3	84	28
PLANNED	7/20/2018	2	90	45
PLANNED	7/20/2018	4	312	78
PLANNED	7/20/2018	7	210	30
PLANNED	7/20/2018	2	180	90
PLANNED	7/20/2018	13	611	47
PLANNED	7/20/2018	1	89	89
PLANNED	7/20/2018	2	160	80
PLANNED	7/20/2018	4	992	248
PLANNED	7/20/2018	1	237	237
PLANNED	7/20/2018	1	237	237
PLANNED	7/20/2018	17	2,159	127
PLANNED	7/20/2018	7	84	12
PLANNED	7/20/2018	3	21	7
PLANNED	7/20/2018	45	3,915	87
PLANNED	7/20/2018	8	1,176	147
PLANNED	7/20/2018	12	792	189
PLANNED	7/20/2018	13	1,040	80
PLANNED	7/20/2018	2	228	114
PLANNED	7/20/2018	6	900	150
PLANNED	7/20/2018	7	287	41
PLANNED	7/20/2018	10	1,720	172
PLANNED	7/20/2018	10	220	22
PLANNED	7/20/2018	38	4,560	120
CUSTOMER REQUEST	7/20/2018	3	306	102
PLANNED	7/20/2018	1	128	128
PLANNED	7/20/2018	1	129	129
PLANNED	7/20/2018	4	324	81
CUSTOMER REQUEST	7/20/2018	3	474	158
PLANNED	7/20/2018	10	1,290	129
PLANNED	7/20/2018	2	392	196
PLANNED	7/20/2018	16	16	1
PLANNED	7/20/2018	7	2,254	322
PLANNED	7/20/2018	12	1,032	86
PLANNED	7/20/2018	5	90	18
PLANNED	7/20/2018	10	160	16
PLANNED	7/20/2018	7	35	5
PLANNED	7/20/2018	7	56	8
PLANNED	7/20/2018	7	35	5
PLANNED	7/20/2018	1	66	66
CUSTOMER REQUEST	7/20/2018	4	68	17
PLANNED	7/20/2018	4	712	178
CUSTOMER REQUEST	7/20/2018	1	96	96
PLANNED	7/20/2018	7	658	102
PLANNED	7/20/2018	6	5,532	922
PLANNED	7/20/2018	7	14	2

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/20/2018	3	177	59
CUSTOMER REQUEST	7/20/2018	1	182	182
PLANNED	7/21/2018	5	740	148
PLANNED	7/21/2018	5	825	165
PLANNED	7/21/2018	7	3,178	454
PLANNED	7/21/2018	1	1	1
PLANNED	7/21/2018	1	1	1
PLANNED	7/21/2018	2	852	426
PLANNED	7/21/2018	4	844	211
PLANNED	7/21/2018	5	825	165
CUSTOMER REQUEST	7/21/2018	85	1,020	12
PLANNED	7/21/2018	19	1,729	91
PLANNED	7/21/2018	1	2	2
CUSTOMER REQUEST	7/21/2018	10	3,710	371
PLANNED	7/21/2018	2	136	68
PLANNED	7/21/2018	35	6,125	175
PLANNED	7/21/2018	5	475	95
PLANNED	7/21/2018	5	645	129
PLANNED	7/21/2018	14	490	35
PLANNED	7/21/2018	1	85	85
PLANNED	7/21/2018	2	282	141
PLANNED	7/21/2018	2	64	32
PLANNED	7/21/2018	69	69	1
PLANNED	7/22/2018	1	267	267
PLANNED	7/22/2018	1	66	66
PLANNED	7/22/2018	39	7,410	190
PLANNED	7/22/2018	10	2,120	212
PLANNED	7/22/2018	12	2,148	179
PLANNED	7/22/2018	11	902	82
PLANNED	7/22/2018	10	820	82
PLANNED	7/22/2018	4	288	72
CUSTOMER REQUEST	7/22/2018	1	71	71
PLANNED	7/22/2018	3	924	308
PLANNED	7/22/2018	1	47	47
PLANNED	7/22/2018	1	26	26
CUSTOMER REQUEST	7/23/2018	1	120	120
CUSTOMER REQUEST	7/23/2018	1	691	691
PLANNED	7/23/2018	1	296	296
PLANNED	7/23/2018	9	342	38
CUSTOMER REQUEST	7/23/2018	6	564	94
CUSTOMER REQUEST	7/23/2018	11	198	18
PLANNED	7/23/2018	85	9,095	107
PLANNED	7/23/2018	10	3,310	331
PLANNED	7/23/2018	24	728	353
PLANNED	7/23/2018	1	119	119
PLANNED	7/23/2018	1	8	8
PLANNED	7/23/2018	3	312	104
PLANNED	7/23/2018	13	390	30
PLANNED	7/23/2018	1	113	113
PLANNED	7/23/2018	3	99	33
PLANNED	7/23/2018	6	234	39

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/23/2018	6	168	28
PLANNED	7/23/2018	8	1,480	185
CUSTOMER REQUEST	7/23/2018	1	79	79
PLANNED	7/23/2018	6	1,236	206
PLANNED	7/23/2018	4	128	32
PLANNED	7/23/2018	9	4,095	455
PLANNED	7/23/2018	1	271	271
CUSTOMER REQUEST	7/23/2018	7	168	24
PLANNED	7/23/2018	12	1,308	109
PLANNED	7/23/2018	13	741	57
CUSTOMER REQUEST	7/23/2018	9	2,259	251
PLANNED	7/23/2018	4	364	91
CUSTOMER REQUEST	7/23/2018	5	110	22
PLANNED	7/23/2018	6	78	13
PLANNED	7/23/2018	3	1,308	436
PLANNED	7/23/2018	5	720	144
PLANNED	7/23/2018	8	208	26
PLANNED	7/23/2018	4	660	165
PLANNED	7/23/2018	3	492	164
PLANNED	7/23/2018	3	66	22
PLANNED	7/23/2018	1	10	10
PLANNED	7/23/2018	6	246	41
PLANNED	7/23/2018	4	88	22
CUSTOMER REQUEST	7/23/2018	6	1,140	190
PLANNED	7/23/2018	4	724	181
PLANNED	7/23/2018	7	147	21
PLANNED	7/23/2018	13	416	32
PLANNED	7/23/2018	1	291	291
PLANNED	7/23/2018	4	1,132	283
PLANNED	7/23/2018	1	718	718
PLANNED	7/23/2018	1	136	136
PLANNED	7/23/2018	4	844	211
PLANNED	7/23/2018	6	816	136
PLANNED	7/23/2018	4	540	135
PLANNED	7/23/2018	7	143	69
PLANNED	7/23/2018	4	460	115
PLANNED	7/23/2018	15	1,005	67
PLANNED	7/23/2018	1	367	367
PLANNED	7/23/2018	12	324	27
PLANNED	7/23/2018	16	720	45
PLANNED	7/23/2018	8	1,048	131
CUSTOMER REQUEST	7/23/2018	4	104	26
PLANNED	7/23/2018	9	333	37
PLANNED	7/23/2018	2	156	78
CUSTOMER REQUEST	7/23/2018	4	188	47
PLANNED	7/23/2018	2	56	28
PLANNED	7/23/2018	2	192	96
PLANNED	7/23/2018	2	270	135
CUSTOMER REQUEST	7/23/2018	12	1,668	139
CUSTOMER REQUEST	7/23/2018	4	80	20
CUSTOMER REQUEST	7/23/2018	1	334	334

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/23/2018	4	152	38
CUSTOMER REQUEST	7/23/2018	5	920	184
PLANNED	7/23/2018	2	202	101
PLANNED	7/23/2018	3	93	31
CUSTOMER REQUEST	7/23/2018	1	97	97
PLANNED	7/23/2018	1	3	3
PLANNED	7/23/2018	9	504	56
PLANNED	7/23/2018	9	1,881	209
PLANNED	7/23/2018	10	880	88
PLANNED	7/23/2018	10	670	67
PLANNED	7/23/2018	1	51	51
PLANNED	7/23/2018	4	64	16
PLANNED	7/23/2018	3	261	87
PLANNED	7/23/2018	1	29	29
PLANNED	7/23/2018	2	64	32
PLANNED	7/23/2018	10	2,030	203
PLANNED	7/23/2018	4	636	159
PLANNED	7/23/2018	7	1,897	271
PLANNED	7/24/2018	8	968	121
PLANNED	7/24/2018	9	531	59
PLANNED	7/24/2018	1	387	387
PLANNED	7/24/2018	3	129	43
PLANNED	7/24/2018	1	245	245
PLANNED	7/24/2018	9	3,267	363
PLANNED	7/24/2018	41	3,198	78
PLANNED	7/24/2018	1	36	36
CUSTOMER REQUEST	7/24/2018	35	3,500	100
PLANNED	7/24/2018	1	72	72
PLANNED	7/24/2018	9	1,557	173
PLANNED	7/24/2018	7	385	55
CUSTOMER REQUEST	7/24/2018	2	156	78
PLANNED	7/24/2018	9	2,997	333
PLANNED	7/24/2018	8	544	68
CUSTOMER REQUEST	7/24/2018	1	169	169
PLANNED	7/24/2018	3	186	62
PLANNED	7/24/2018	8	344	43
PLANNED	7/24/2018	7	1,575	225
PLANNED	7/24/2018	1	489	489
PLANNED	7/24/2018	4	1,392	348
PLANNED	7/24/2018	1	179	179
PLANNED	7/24/2018	5	685	137
PLANNED	7/24/2018	1	317	317
PLANNED	7/24/2018	16	656	41
PLANNED	7/24/2018	9	1,980	220
PLANNED	7/24/2018	6	2,082	347
PLANNED	7/24/2018	2	128	64
PLANNED	7/24/2018	7	539	77
PLANNED	7/24/2018	8	360	45
PLANNED	7/24/2018	2	18	9
PLANNED	7/24/2018	1	30	30
PLANNED	7/24/2018	8	1,144	143

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/24/2018	29	4,118	142
PLANNED	7/24/2018	7	238	34
PLANNED	7/24/2018	9	1,278	142
PLANNED	7/24/2018	6	636	106
PLANNED	7/24/2018	4	844	211
PLANNED	7/24/2018	1	63	63
PLANNED	7/24/2018	1	77	77
PLANNED	7/24/2018	12	298	287
CUSTOMER REQUEST	7/24/2018	8	344	43
PLANNED	7/24/2018	4	500	125
PLANNED	7/24/2018	3	633	211
PLANNED	7/24/2018	9	1,251	139
PLANNED	7/24/2018	12	48	4
PLANNED	7/24/2018	2	70	35
PLANNED	7/24/2018	6	246	41
CUSTOMER REQUEST	7/24/2018	3	519	173
CUSTOMER REQUEST	7/24/2018	98	42,826	437
PLANNED	7/24/2018	3	318	106
PLANNED	7/24/2018	2	264	138
PLANNED	7/24/2018	12	1,140	95
PLANNED	7/24/2018	15	300	20
PLANNED	7/24/2018	9	252	28
CUSTOMER REQUEST	7/24/2018	3	723	241
PLANNED	7/24/2018	5	745	149
PLANNED	7/24/2018	1	21	21
PLANNED	7/24/2018	9	513	57
PLANNED	7/24/2018	10	110	11
PLANNED	7/24/2018	8	608	76
PLANNED	7/24/2018	51	561	11
PLANNED	7/24/2018	5	135	27
PLANNED	7/24/2018	8	328	41
PLANNED	7/24/2018	4	312	78
PLANNED	7/24/2018	6	252	42
PLANNED	7/24/2018	3	177	59
PLANNED	7/24/2018	1	77	77
PLANNED	7/24/2018	36	4,428	123
PLANNED	7/24/2018	5	85	17
CUSTOMER REQUEST	7/24/2018	6	84	14
PLANNED	7/24/2018	8	832	104
PLANNED	7/24/2018	1	113	113
CUSTOMER REQUEST	7/24/2018	8	560	70
PLANNED	7/24/2018	2	200	100
PLANNED	7/24/2018	2	252	126
PLANNED	7/24/2018	4	256	64
PLANNED	7/24/2018	5	450	90
PLANNED	7/24/2018	23	322	14
PLANNED	7/24/2018	1	28	28
PLANNED	7/24/2018	4	208	52
PLANNED	7/24/2018	8	1,128	141
PLANNED	7/24/2018	1	75	75
CUSTOMER REQUEST	7/24/2018	1	50	50

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/24/2018	2	74	37
PLANNED	7/24/2018	9	423	47
PLANNED	7/24/2018	1	87	87
PLANNED	7/24/2018	1	80	80
CUSTOMER REQUEST	7/24/2018	35	1,960	56
PLANNED	7/24/2018	1	144	144
PLANNED	7/24/2018	3	57	19
CUSTOMER REQUEST	7/24/2018	19	2,508	132
CUSTOMER REQUEST	7/24/2018	4	272	68
PLANNED	7/24/2018	5	775	155
PLANNED	7/24/2018	1	114	114
PLANNED	7/25/2018	2	276	138
PLANNED	7/25/2018	1	166	166
PLANNED	7/25/2018	10	180	18
PLANNED	7/25/2018	3	432	144
PLANNED	7/25/2018	4	556	139
Tornado	7/25/2018	6	396	66
Tornado	7/25/2018	5	440	88
PLANNED	7/25/2018	56	41,104	734
Tornado	7/25/2018	1	32	32
PLANNED	7/25/2018	1	142	142
PLANNED	7/25/2018	4	232	58
CUSTOMER REQUEST	7/25/2018	11	1,727	157
PLANNED	7/25/2018	4	672	168
PLANNED	7/25/2018	3	1,020	340
PLANNED	7/25/2018	4	1,168	292
PLANNED	7/25/2018	1	153	153
PLANNED	7/25/2018	2	68	34
PLANNED	7/25/2018	22	5,654	257
PLANNED	7/25/2018	1	83	83
PLANNED	7/25/2018	2	200	100
PLANNED	7/25/2018	15	4,174	336
PLANNED	7/25/2018	2	362	181
PLANNED	7/25/2018	15	3,000	200
PLANNED	7/25/2018	10	3,930	393
PLANNED	7/25/2018	45	1,551	55
Tornado	7/25/2018	8	1,016	127
PLANNED	7/25/2018	1	306	306
PLANNED	7/25/2018	4	1,332	333
PLANNED	7/25/2018	1	142	142
PLANNED	7/25/2018	3	117	39
PLANNED	7/25/2018	3	294	98
PLANNED	7/25/2018	1	9	9
PLANNED	7/25/2018	4	104	26
PLANNED	7/25/2018	3	468	156
PLANNED	7/25/2018	15	1,890	126
PLANNED	7/25/2018	15	1,755	117
CUSTOMER REQUEST	7/25/2018	1	80	80
Tornado	7/25/2018	2	76	38
PLANNED	7/25/2018	1	290	290
PLANNED	7/25/2018	3	372	124

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/25/2018	2	310	155
PLANNED	7/25/2018	1	290	290
Tornado	7/25/2018	1	87	87
CUSTOMER REQUEST	7/25/2018	12	612	51
PLANNED	7/25/2018	2	158	79
PLANNED	7/25/2018	1	133	133
PLANNED	7/25/2018	3	159	53
Tornado	7/25/2018	8	768	96
Tornado	7/25/2018	6	234	39
PLANNED	7/25/2018	11	1,694	154
Tornado	7/25/2018	2	118	59
PLANNED	7/25/2018	1	77	77
Tornado	7/25/2018	5	40	8
PLANNED	7/25/2018	47	14,852	316
Tornado	7/25/2018	7	224	32
PLANNED	7/25/2018	2	356	178
PLANNED	7/25/2018	1	48	48
Tornado	7/25/2018	7	133	19
PLANNED	7/25/2018	2	322	161
PLANNED	7/25/2018	7	476	68
PLANNED	7/25/2018	1	6	6
PLANNED	7/25/2018	7	448	64
PLANNED	7/25/2018	8	440	55
Tornado	7/25/2018	14	784	56
PLANNED	7/25/2018	1	109	109
PLANNED	7/25/2018	3	126	42
CUSTOMER REQUEST	7/25/2018	2	44	22
PLANNED	7/25/2018	7	3,962	566
PLANNED	7/25/2018	1	50	50
PLANNED	7/25/2018	1	172	172
PLANNED	7/25/2018	11	110	10
PLANNED	7/25/2018	1	27	27
PLANNED	7/25/2018	9	2,241	249
PLANNED	7/25/2018	8	288	36
PLANNED	7/25/2018	1	38	38
PLANNED	7/25/2018	8	792	99
PLANNED	7/25/2018	6	924	154
PLANNED	7/25/2018	2	28	14
PLANNED	7/25/2018	8	680	85
PLANNED	7/25/2018	47	1,974	42
PLANNED	7/25/2018	3	645	215
PLANNED	7/25/2018	2	206	103
PLANNED	7/25/2018	8	376	47
Tornado	7/25/2018	7	119	17
PLANNED	7/25/2018	14	182	13
PLANNED	7/25/2018	7	973	139
CUSTOMER REQUEST	7/25/2018	5	30	6
PLANNED	7/25/2018	1	27	27
PLANNED	7/25/2018	3	624	208
PLANNED	7/25/2018	7	427	61
PLANNED	7/25/2018	21	357	17

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/25/2018	46	874	19
PLANNED	7/25/2018	1	23	23
Tornado	7/25/2018	10	260	26
Tornado	7/25/2018	6	42	7
Tornado	7/25/2018	8	712	89
PLANNED	7/25/2018	1	41	41
PLANNED	7/25/2018	3	168	56
PLANNED	7/25/2018	9	567	63
PLANNED	7/25/2018	8	472	59
CUSTOMER REQUEST	7/25/2018	1	21	21
PLANNED	7/25/2018	2	98	49
CUSTOMER REQUEST	7/25/2018	6	126	21
Tornado	7/25/2018	7	357	51
PLANNED	7/25/2018	6	234	39
PLANNED	7/25/2018	4	72	18
PLANNED	7/25/2018	6	474	79
PLANNED	7/25/2018	1	109	109
PLANNED	7/25/2018	3	303	101
PLANNED	7/25/2018	2	3,200	1,600
CUSTOMER REQUEST	7/25/2018	1	263	263
Tornado	7/25/2018	12	804	67
CUSTOMER REQUEST	7/25/2018	1	78	78
PLANNED	7/25/2018	23	3,358	146
CUSTOMER REQUEST	7/25/2018	10	2,304	234
PLANNED	7/25/2018	1	260	260
PLANNED	7/25/2018	1	86	86
CUSTOMER REQUEST	7/25/2018	7	28	4
PLANNED	7/25/2018	15	2,400	160
Tornado	7/25/2018	1	123	123
PLANNED	7/25/2018	2	846	423
Tornado	7/25/2018	7	266	38
PLANNED	7/25/2018	2	180	90
PLANNED	7/25/2018	2	838	419
PLANNED	7/25/2018	1	87	87
PLANNED	7/25/2018	1	385	385
PLANNED	7/26/2018	10	1,660	166
PLANNED	7/26/2018	3	318	106
PLANNED	7/26/2018	9	594	66
PLANNED	7/26/2018	20	6,160	308
PLANNED	7/26/2018	2	248	124
PLANNED	7/26/2018	1	78	78
PLANNED	7/26/2018	32	705	674
PLANNED	7/26/2018	7	630	90
PLANNED	7/26/2018	1	287	287
CUSTOMER REQUEST	7/26/2018	1	248	248
CUSTOMER REQUEST	7/26/2018	14	770	55
PLANNED	7/26/2018	2	286	143
PLANNED	7/26/2018	8	728	91
PLANNED	7/26/2018	7	210	30
PLANNED	7/26/2018	4	496	124
CUSTOMER REQUEST	7/26/2018	1	285	285

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/26/2018	6	1,200	200
PLANNED	7/26/2018	3	120	40
PLANNED	7/26/2018	3	312	104
PLANNED	7/26/2018	1	297	297
PLANNED	7/26/2018	5	345	69
PLANNED	7/26/2018	3	375	125
PLANNED	7/26/2018	11	1,342	122
PLANNED	7/26/2018	12	2,004	167
PLANNED	7/26/2018	2	36	18
PLANNED	7/26/2018	1	206	206
PLANNED	7/26/2018	5	665	133
PLANNED	7/26/2018	18	864	48
PLANNED	7/26/2018	4	532	133
PLANNED	7/26/2018	1	173	173
PLANNED	7/26/2018	2	216	108
PLANNED	7/26/2018	1	67	67
PLANNED	7/26/2018	9	1,755	195
CUSTOMER REQUEST	7/26/2018	15	630	42
PLANNED	7/26/2018	16	1,952	122
PLANNED	7/26/2018	20	2,516	137
PLANNED	7/26/2018	11	1,122	102
PLANNED	7/26/2018	3	165	55
CUSTOMER REQUEST	7/26/2018	8	2,872	359
PLANNED	7/26/2018	5	420	84
PLANNED	7/26/2018	12	2,016	168
PLANNED	7/26/2018	1	74	74
PLANNED	7/26/2018	8	1,320	165
PLANNED	7/26/2018	1	67	67
PLANNED	7/26/2018	8	784	98
PLANNED	7/26/2018	5	815	163
CUSTOMER REQUEST	7/26/2018	5	635	127
PLANNED	7/26/2018	29	261	9
PLANNED	7/26/2018	5	215	43
PLANNED	7/26/2018	4	1,712	428
PLANNED	7/26/2018	6	312	52
CUSTOMER REQUEST	7/26/2018	6	66	11
CUSTOMER REQUEST	7/26/2018	15	870	58
PLANNED	7/26/2018	10	720	72
PLANNED	7/26/2018	8	1,064	133
PLANNED	7/26/2018	5	65	13
PLANNED	7/26/2018	11	1,100	100
PLANNED	7/26/2018	8	456	57
PLANNED	7/26/2018	2	94	47
PLANNED	7/26/2018	1	84	84
PLANNED	7/26/2018	2	128	64
PLANNED	7/26/2018	11	572	52
PLANNED	7/26/2018	1	28	28
PLANNED	7/26/2018	4	232	58
PLANNED	7/26/2018	12	744	62
PLANNED	7/26/2018	6	318	53
CUSTOMER REQUEST	7/26/2018	11	231	21

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/26/2018	1	24	24
PLANNED	7/26/2018	7	525	75
PLANNED	7/26/2018	6	318	53
PLANNED	7/26/2018	18	3,096	172
PLANNED	7/26/2018	26	4,446	171
PLANNED	7/26/2018	12	2,004	167
PLANNED	7/26/2018	16	864	54
PLANNED	7/26/2018	5	170	34
PLANNED	7/26/2018	2	96	48
PLANNED	7/26/2018	2	24	12
PLANNED	7/26/2018	1	84	84
PLANNED	7/26/2018	17	221	13
PLANNED	7/26/2018	13	546	42
PLANNED	7/26/2018	3	1,086	362
PLANNED	7/26/2018	1	53	53
PLANNED	7/26/2018	2	54	27
PLANNED	7/26/2018	6	72	12
PLANNED	7/26/2018	5	125	25
PLANNED	7/26/2018	2	118	59
PLANNED	7/26/2018	2	50	25
PLANNED	7/26/2018	1	12	12
PLANNED	7/26/2018	2	278	139
PLANNED	7/26/2018	1	239	239
PLANNED	7/26/2018	1	80	80
PLANNED	7/26/2018	14	2,030	145
PLANNED	7/26/2018	1	132	132
CUSTOMER REQUEST	7/26/2018	1	170	170
PLANNED	7/26/2018	1	77	77
PLANNED	7/26/2018	2	154	77
PLANNED	7/26/2018	3	210	70
PLANNED	7/26/2018	1	256	256
PLANNED	7/26/2018	1	206	206
PLANNED	7/26/2018	1	183	183
CUSTOMER REQUEST	7/27/2018	2	418	209
PLANNED	7/27/2018	3	207	69
PLANNED	7/27/2018	2	248	124
PLANNED	7/27/2018	1	194	194
CUSTOMER REQUEST	7/27/2018	1	221	221
PLANNED	7/27/2018	12	828	69
PLANNED	7/27/2018	1	95	95
PLANNED	7/27/2018	4	668	167
PLANNED	7/27/2018	1	80	80
PLANNED	7/27/2018	12	1,800	150
PLANNED	7/27/2018	6	378	63
PLANNED	7/27/2018	40	1,352	165
CUSTOMER REQUEST	7/27/2018	6	1,404	234
PLANNED	7/27/2018	6	444	74
PLANNED	7/27/2018	29	754	26
PLANNED	7/27/2018	8	1,336	167
PLANNED	7/27/2018	3	192	64
PLANNED	7/27/2018	9	72	8

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/27/2018	32	2,496	78
PLANNED	7/27/2018	40	1,520	38
PLANNED	7/27/2018	11	583	53
PLANNED	7/27/2018	12	732	61
PLANNED	7/27/2018	2	390	195
PLANNED	7/27/2018	1	28	28
PLANNED	7/27/2018	1	202	202
CUSTOMER REQUEST	7/27/2018	1	282	282
PLANNED	7/27/2018	1	13	13
PLANNED	7/27/2018	7	49	7
PLANNED	7/27/2018	1	96	96
PLANNED	7/27/2018	7	511	73
PLANNED	7/27/2018	2	288	144
PLANNED	7/27/2018	3	171	57
PLANNED	7/27/2018	2	250	125
PLANNED	7/27/2018	3	75	25
PLANNED	7/27/2018	1	52	52
PLANNED	7/27/2018	1	72	72
PLANNED	7/27/2018	9	459	51
PLANNED	7/27/2018	6	288	48
PLANNED	7/27/2018	25	875	35
PLANNED	7/27/2018	7	112	16
PLANNED	7/27/2018	2	76	38
PLANNED	7/27/2018	6	1,026	171
PLANNED	7/27/2018	7	588	84
PLANNED	7/27/2018	3	207	69
PLANNED	7/27/2018	4	48	12
PLANNED	7/27/2018	2	132	66
PLANNED	7/27/2018	4	72	18
PLANNED	7/27/2018	1	37	37
PLANNED	7/27/2018	6	72	12
PLANNED	7/27/2018	7	420	60
PLANNED	7/27/2018	6	354	59
PLANNED	7/27/2018	8	144	18
PLANNED	7/27/2018	3	15	5
PLANNED	7/27/2018	4	56	14
PLANNED	7/27/2018	1	17	17
PLANNED	7/27/2018	12	168	14
PLANNED	7/27/2018	1	78	78
CUSTOMER REQUEST	7/27/2018	1	109	109
CUSTOMER REQUEST	7/27/2018	1	87	87
CUSTOMER REQUEST	7/27/2018	1	59	59
PLANNED	7/27/2018	2	158	79
PLANNED	7/27/2018	1	119	119
PLANNED	7/27/2018	2	422	211
CUSTOMER REQUEST	7/27/2018	3	648	216
PLANNED	7/27/2018	3	138	46
PLANNED	7/27/2018	1	54	54
CUSTOMER REQUEST	7/28/2018	1	45	45
PLANNED	7/28/2018	2	188	94
PLANNED	7/28/2018	1	428	428

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/28/2018	10	3,390	339
PLANNED	7/28/2018	1	469	469
PLANNED	7/28/2018	1	209	209
PLANNED	7/28/2018	12	504	42
PLANNED	7/28/2018	6	300	50
PLANNED	7/28/2018	6	948	158
PLANNED	7/28/2018	3	111	37
CUSTOMER REQUEST	7/28/2018	18	216	12
PLANNED	7/28/2018	15	5,175	345
CUSTOMER REQUEST	7/28/2018	8	88	11
PLANNED	7/29/2018	9	855	95
CUSTOMER REQUEST	7/29/2018	1,873	33,714	18
PLANNED	7/29/2018	8	5,136	642
PLANNED	7/29/2018	1	209	209
PLANNED	7/29/2018	1	209	209
PLANNED	7/29/2018	35	7,630	218
PLANNED	7/29/2018	13	1,287	99
PLANNED	7/29/2018	6	534	89
PLANNED	7/29/2018	2	6	3
PLANNED	7/29/2018	1	53	53
PLANNED	7/29/2018	6	126	21
PLANNED	7/29/2018	6	648	108
PLANNED	7/30/2018	9	1,107	123
PLANNED	7/30/2018	9	1,494	166
PLANNED	7/30/2018	1	113	113
PLANNED	7/30/2018	14	2,156	154
CUSTOMER REQUEST	7/30/2018	29	5,133	177
PLANNED	7/30/2018	10	840	84
CUSTOMER REQUEST	7/30/2018	12	996	83
PLANNED	7/30/2018	3	489	163
PLANNED	7/30/2018	1	20	20
PLANNED	7/30/2018	1	303	303
PLANNED	7/30/2018	1	149	149
PLANNED	7/30/2018	3	126	42
PLANNED	7/30/2018	3	147	49
PLANNED	7/30/2018	1	119	119
PLANNED	7/30/2018	2	172	86
CUSTOMER REQUEST	7/30/2018	1	123	123
PLANNED	7/30/2018	3	195	65
PLANNED	7/30/2018	2	170	85
CUSTOMER REQUEST	7/30/2018	106	20,246	191
PLANNED	7/30/2018	5	515	103
PLANNED	7/30/2018	4	44	11
PLANNED	7/30/2018	6	30	5
PLANNED	7/30/2018	1	42	42
PLANNED	7/30/2018	4	240	60
PLANNED	7/30/2018	22	1,562	71
PLANNED	7/30/2018	7	336	48
PLANNED	7/30/2018	1	164	164
PLANNED	7/30/2018	10	2,030	203
CUSTOMER REQUEST	7/30/2018	8	280	35

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/30/2018	8	1,552	194
PLANNED	7/30/2018	1	110	110
PLANNED	7/30/2018	4	180	45
PLANNED	7/30/2018	1	114	114
PLANNED	7/30/2018	5	655	131
CUSTOMER REQUEST	7/30/2018	2	88	44
CUSTOMER REQUEST	7/30/2018	9	702	78
PLANNED	7/30/2018	3	210	70
PLANNED	7/30/2018	4	28	7
PLANNED	7/30/2018	40	2,960	74
PLANNED	7/30/2018	9	576	64
PLANNED	7/30/2018	7	462	66
PLANNED	7/30/2018	4	40	10
PLANNED	7/30/2018	1	95	95
PLANNED	7/30/2018	1	41	41
PLANNED	7/30/2018	3	159	53
PLANNED	7/30/2018	4	432	108
PLANNED	7/30/2018	1	70	70
PLANNED	7/30/2018	4	296	74
PLANNED	7/30/2018	2	180	90
PLANNED	7/30/2018	13	1,820	140
PLANNED	7/30/2018	10	110	11
PLANNED	7/30/2018	6	984	164
PLANNED	7/30/2018	4	252	63
PLANNED	7/30/2018	6	534	89
PLANNED	7/30/2018	5	440	88
PLANNED	7/30/2018	3	231	77
PLANNED	7/30/2018	8	672	84
PLANNED	7/30/2018	25	1,750	70
PLANNED	7/30/2018	50	1,150	23
PLANNED	7/30/2018	6	918	153
PLANNED	7/30/2018	10	1,730	173
PLANNED	7/30/2018	6	42	7
PLANNED	7/30/2018	5	385	77
PLANNED	7/30/2018	7	714	102
PLANNED	7/30/2018	7	945	135
PLANNED	7/30/2018	5	30	6
PLANNED	7/30/2018	3	234	78
PLANNED	7/30/2018	8	1,032	129
PLANNED	7/30/2018	13	390	30
PLANNED	7/30/2018	10	620	62
PLANNED	7/30/2018	2	154	77
PLANNED	7/30/2018	7	413	59
PLANNED	7/30/2018	5	35	7
PLANNED	7/30/2018	8	560	70
PLANNED	7/30/2018	12	624	52
CUSTOMER REQUEST	7/30/2018	3	123	41
CUSTOMER REQUEST	7/30/2018	3	375	125
PLANNED	7/30/2018	30	60	2
PLANNED	7/30/2018	3	312	104
CUSTOMER REQUEST	7/30/2018	33	8,613	261

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/30/2018	1	66	66
CUSTOMER REQUEST	7/30/2018	8	344	43
PLANNED	7/31/2018	11	2,387	217
PLANNED	7/31/2018	4	616	154
PLANNED	7/31/2018	97	19,497	201
CUSTOMER REQUEST	7/31/2018	1	421	421
PLANNED	7/31/2018	6	306	51
PLANNED	7/31/2018	2	266	133
PLANNED	7/31/2018	7	1,414	202
PLANNED	7/31/2018	2	286	143
PLANNED	7/31/2018	3	309	103
PLANNED	7/31/2018	2	258	129
PLANNED	7/31/2018	1	28	28
PLANNED	7/31/2018	3	534	178
PLANNED	7/31/2018	1	25	25
PLANNED	7/31/2018	12	2,736	228
PLANNED	7/31/2018	9	1,044	116
PLANNED	7/31/2018	1	274	274
PLANNED	7/31/2018	1	377	377
PLANNED	7/31/2018	1	15	15
PLANNED	7/31/2018	8	680	85
PLANNED	7/31/2018	1	210	210
PLANNED	7/31/2018	10	910	91
PLANNED	7/31/2018	5	415	83
CUSTOMER REQUEST	7/31/2018	6	12	2
PLANNED	7/31/2018	1	153	153
PLANNED	7/31/2018	2	508	254
PLANNED	7/31/2018	14	3,374	241
PLANNED	7/31/2018	9	639	71
PLANNED	7/31/2018	4	488	122
PLANNED	7/31/2018	6	1,608	268
PLANNED	7/31/2018	1	220	220
PLANNED	7/31/2018	1	31	31
PLANNED	7/31/2018	12	1,692	141
CUSTOMER REQUEST	7/31/2018	4	796	199
PLANNED	7/31/2018	1	31	31
CUSTOMER REQUEST	7/31/2018	206	58,298	283
PLANNED	7/31/2018	1	40	40
PLANNED	7/31/2018	83	12,948	156
PLANNED	7/31/2018	8	1,560	195
PLANNED	7/31/2018	11	2,145	195
PLANNED	7/31/2018	2	152	76
CUSTOMER REQUEST	7/31/2018	7	378	54
PLANNED	7/31/2018	5	245	49
PLANNED	7/31/2018	10	1,160	116
PLANNED	7/31/2018	2	220	110
PLANNED	7/31/2018	1	80	80
PLANNED	7/31/2018	7	322	46
PLANNED	7/31/2018	3	42	14
PLANNED	7/31/2018	2	100	50
PLANNED	7/31/2018	5	310	62

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	7/31/2018	1	177	177
PLANNED	7/31/2018	8	1,480	185
PLANNED	7/31/2018	11	814	74
PLANNED	7/31/2018	8	6,280	785
PLANNED	7/31/2018	1	41	41
PLANNED	7/31/2018	5	205	41
PLANNED	7/31/2018	4	60	15
PLANNED	7/31/2018	10	940	94
PLANNED	7/31/2018	1	64	64
PLANNED	7/31/2018	5	120	24
PLANNED	7/31/2018	4	1,104	276
PLANNED	7/31/2018	12	2,772	231
PLANNED	7/31/2018	15	1,897	210
PLANNED	7/31/2018	16	2,976	186
PLANNED	7/31/2018	5	725	145
PLANNED	7/31/2018	5	720	144
PLANNED	7/31/2018	6	1,062	177
CUSTOMER REQUEST	7/31/2018	15	405	27
PLANNED	7/31/2018	2	36	18
PLANNED	7/31/2018	4	1,464	366
PLANNED	7/31/2018	3	414	138
PLANNED	7/31/2018	10	1,130	113
PLANNED	7/31/2018	9	414	46
PLANNED	7/31/2018	3	117	39
PLANNED	7/31/2018	10	20	2
PLANNED	7/31/2018	6	522	87
PLANNED	7/31/2018	1	31	31
PLANNED	7/31/2018	3	69	23
PLANNED	7/31/2018	1	19	19
PLANNED	7/31/2018	1	68	68
PLANNED	7/31/2018	10	830	83
PLANNED	7/31/2018	2	64	32
PLANNED	7/31/2018	9	360	40
PLANNED	7/31/2018	10	440	44
PLANNED	7/31/2018	4	348	87
PLANNED	7/31/2018	9	495	55
PLANNED	7/31/2018	2	56	28
PLANNED	7/31/2018	5	260	52
PLANNED	7/31/2018	1	35	35
PLANNED	7/31/2018	4	24	6
CUSTOMER REQUEST	7/31/2018	4	40	10
PLANNED	7/31/2018	5	185	37
PLANNED	7/31/2018	1	168	168
PLANNED	7/31/2018	9	1,071	119
PLANNED	7/31/2018	1	166	166
PLANNED	7/31/2018	1	68	68
PLANNED	7/31/2018	4	696	174
PLANNED	7/31/2018	2	80	40
PLANNED	7/31/2018	1	144	144
PLANNED	7/31/2018	3	291	97
PLANNED	7/31/2018	4	916	229

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	7/31/2018	1	103	103
CUSTOMER REQUEST	7/31/2018	1	56	56
CUSTOMER REQUEST	7/31/2018	5	110	22
PLANNED	7/31/2018	4	84	21
PLANNED	7/31/2018	5	900	180
PLANNED	7/31/2018	1	142	142
PLANNED	7/31/2018	7	147	21
PLANNED	7/31/2018	1	141	141
PLANNED	7/31/2018	4	208	52
CUSTOMER REQUEST	7/31/2018	1	88	88
PLANNED	7/31/2018	23	1,173	51
PLANNED	7/31/2018	2	338	169
PLANNED	7/31/2018	1	81	81
PLANNED	7/31/2018	5	1,395	279
PLANNED	7/31/2018	1	142	142
PLANNED	7/31/2018	1	134	134
PLANNED	8/1/2018	4	488	122
PLANNED	8/1/2018	19	3,610	190
PLANNED	8/1/2018	1	299	299
PLANNED	8/1/2018	2	592	296
PLANNED	8/1/2018	3	396	132
PLANNED	8/1/2018	1	295	295
PLANNED	8/1/2018	1	154	154
PLANNED	8/1/2018	1	72	72
PLANNED	8/1/2018	4	356	89
PLANNED	8/1/2018	3	243	81
PLANNED	8/1/2018	8	336	42
PLANNED	8/1/2018	1	114	114
PLANNED	8/1/2018	5	180	36
PLANNED	8/1/2018	2	92	46
PLANNED	8/1/2018	4	304	76
PLANNED	8/1/2018	8	816	102
PLANNED	8/1/2018	9	3,312	368
PLANNED	8/1/2018	3	810	270
PLANNED	8/1/2018	3	204	68
PLANNED	8/1/2018	7	280	40
PLANNED	8/1/2018	6	990	165
CUSTOMER REQUEST	8/1/2018	9	279	31
PLANNED	8/1/2018	6	510	85
PLANNED	8/1/2018	6	1,872	312
PLANNED	8/1/2018	6	666	111
PLANNED	8/1/2018	3	393	131
PLANNED	8/1/2018	1	239	239
PLANNED	8/1/2018	7	448	64
PLANNED	8/1/2018	8	696	87
PLANNED	8/1/2018	7	497	71
PLANNED	8/1/2018	4	640	160
PLANNED	8/1/2018	1	36	36
CUSTOMER REQUEST	8/1/2018	2	54	27
PLANNED	8/1/2018	6	444	74
CUSTOMER REQUEST	8/1/2018	6	126	21

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/1/2018	38	3,420	90
PLANNED	8/1/2018	3	147	49
PLANNED	8/1/2018	1	128	128
PLANNED	8/1/2018	2	42	21
PLANNED	8/1/2018	2	30	15
PLANNED	8/1/2018	4	368	92
PLANNED	8/1/2018	4	296	74
PLANNED	8/1/2018	3	486	162
PLANNED	8/1/2018	2	326	163
PLANNED	8/1/2018	6	924	154
PLANNED	8/1/2018	10	3,048	368
PLANNED	8/1/2018	7	1,078	154
PLANNED	8/1/2018	3	309	103
PLANNED	8/1/2018	17	2,176	128
PLANNED	8/1/2018	8	456	57
PLANNED	8/1/2018	1	170	170
PLANNED	8/1/2018	4	288	72
PLANNED	8/1/2018	10	1,970	197
CUSTOMER REQUEST	8/1/2018	4	132	33
PLANNED	8/1/2018	13	429	33
CUSTOMER REQUEST	8/1/2018	4	816	204
PLANNED	8/1/2018	30	930	31
PLANNED	8/1/2018	9	1,143	127
PLANNED	8/1/2018	4	632	158
PLANNED	8/1/2018	2	204	102
PLANNED	8/1/2018	1	180	180
PLANNED	8/1/2018	4	292	73
CUSTOMER REQUEST	8/1/2018	8	392	49
PLANNED	8/1/2018	6	360	60
PLANNED	8/1/2018	9	495	55
PLANNED	8/1/2018	9	1,998	222
PLANNED	8/1/2018	7	63	9
PLANNED	8/1/2018	9	261	29
PLANNED	8/1/2018	7	539	77
PLANNED	8/1/2018	4	84	21
PLANNED	8/1/2018	2	176	88
PLANNED	8/1/2018	3	177	59
PLANNED	8/1/2018	2	44	22
PLANNED	8/1/2018	5	600	120
PLANNED	8/1/2018	11	913	83
PLANNED	8/1/2018	12	1,104	122
PLANNED	8/1/2018	3	66	22
PLANNED	8/1/2018	1	58	58
PLANNED	8/1/2018	5	560	112
PLANNED	8/1/2018	10	1,100	110
PLANNED	8/1/2018	12	600	50
PLANNED	8/1/2018	77	693	9
PLANNED	8/1/2018	8	512	64
PLANNED	8/1/2018	6	234	39
PLANNED	8/1/2018	4	156	39
PLANNED	8/1/2018	4	540	135

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/1/2018	2	150	75
CUSTOMER REQUEST	8/1/2018	1	3	3
PLANNED	8/1/2018	4	724	181
PLANNED	8/1/2018	2	28	14
PLANNED	8/1/2018	7	1,022	146
PLANNED	8/1/2018	3	252	84
PLANNED	8/1/2018	8	64	8
PLANNED	8/1/2018	1	73	73
PLANNED	8/1/2018	2	112	56
PLANNED	8/1/2018	8	760	95
PLANNED	8/1/2018	6	810	135
PLANNED	8/1/2018	1	153	153
PLANNED	8/1/2018	8	88	11
PLANNED	8/1/2018	1	50	50
CUSTOMER REQUEST	8/1/2018	1,164	1,164	1
PLANNED	8/1/2018	1	17	17
PLANNED	8/1/2018	20	1,600	80
PLANNED	8/1/2018	1	58	58
PLANNED	8/1/2018	4	344	86
PLANNED	8/1/2018	2	126	63
PLANNED	8/1/2018	2	52	26
CUSTOMER REQUEST	8/1/2018	1	278	278
PLANNED	8/1/2018	3	261	87
PLANNED	8/1/2018	13	1,716	132
PLANNED	8/1/2018	1	17	17
PLANNED	8/2/2018	2	220	110
PLANNED	8/2/2018	2	160	80
PLANNED	8/2/2018	1	17	17
PLANNED	8/2/2018	1	6	6
PLANNED	8/2/2018	4	12	3
CUSTOMER REQUEST	8/2/2018	1	11	11
PLANNED	8/2/2018	1	67	67
PLANNED	8/2/2018	6	1,392	232
CUSTOMER REQUEST	8/2/2018	2	984	492
PLANNED	8/2/2018	4	276	69
PLANNED	8/2/2018	2	6	3
PLANNED	8/2/2018	1	234	234
PLANNED	8/2/2018	1	162	162
PLANNED	8/2/2018	10	2,570	257
PLANNED	8/2/2018	2	172	86
PLANNED	8/2/2018	2	324	162
CUSTOMER REQUEST	8/2/2018	1	575	575
PLANNED	8/2/2018	21	2,856	136
PLANNED	8/2/2018	3	195	65
PLANNED	8/2/2018	3	132	44
PLANNED	8/2/2018	4	720	180
PLANNED	8/2/2018	8	1,536	192
PLANNED	8/2/2018	4	728	182
PLANNED	8/2/2018	10	1,280	128
CUSTOMER REQUEST	8/2/2018	8	200	25
PLANNED	8/2/2018	9	468	52

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	8/2/2018	11	55	5
PLANNED	8/2/2018	8	496	62
PLANNED	8/2/2018	14	3,080	220
PLANNED	8/2/2018	3	513	171
PLANNED	8/2/2018	1	121	121
PLANNED	8/2/2018	3	807	269
PLANNED	8/2/2018	1	213	213
PLANNED	8/2/2018	6	1,290	215
PLANNED	8/2/2018	4	920	230
PLANNED	8/2/2018	7	518	74
CUSTOMER REQUEST	8/2/2018	9	126	14
PLANNED	8/2/2018	30	4,440	148
PLANNED	8/2/2018	17	2,261	133
PLANNED	8/2/2018	7	686	98
PLANNED	8/2/2018	15	3,090	206
PLANNED	8/2/2018	6	516	86
PLANNED	8/2/2018	21	4,368	208
CUSTOMER REQUEST	8/2/2018	17	527	31
PLANNED	8/2/2018	2	242	121
CUSTOMER REQUEST	8/2/2018	1	19	19
PLANNED	8/2/2018	3	255	85
PLANNED	8/2/2018	9	1,854	206
PLANNED	8/2/2018	4	288	72
PLANNED	8/2/2018	6	1,608	268
PLANNED	8/2/2018	4	72	18
PLANNED	8/2/2018	6	324	54
PLANNED	8/2/2018	25	3,750	150
PLANNED	8/2/2018	4	516	129
PLANNED	8/2/2018	2	408	204
PLANNED	8/2/2018	2	336	168
PLANNED	8/2/2018	10	2,100	210
PLANNED	8/2/2018	6	552	92
PLANNED	8/2/2018	8	312	39
PLANNED	8/2/2018	3	336	112
PLANNED	8/2/2018	1	51	51
PLANNED	8/2/2018	64	448	7
PLANNED	8/2/2018	1	66	66
PLANNED	8/2/2018	6	1,104	184
PLANNED	8/2/2018	8	3,184	398
PLANNED	8/2/2018	8	96	12
PLANNED	8/2/2018	4	240	60
PLANNED	8/2/2018	31	1,860	60
PLANNED	8/2/2018	1	108	108
PLANNED	8/2/2018	1	65	65
CUSTOMER REQUEST	8/2/2018	6	480	80
PLANNED	8/2/2018	4	444	111
PLANNED	8/2/2018	2	238	119
PLANNED	8/2/2018	4	276	69
PLANNED	8/2/2018	8	1,176	147
PLANNED	8/2/2018	1	244	244
PLANNED	8/2/2018	7	651	93

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/2/2018	2	72	36
PLANNED	8/2/2018	2	168	84
CUSTOMER REQUEST	8/2/2018	11	308	28
PLANNED	8/2/2018	5	225	45
PLANNED	8/2/2018	4	396	99
PLANNED	8/2/2018	10	1,350	135
PLANNED	8/2/2018	4	4	1
PLANNED	8/2/2018	12	2,820	235
PLANNED	8/2/2018	8	1,152	144
PLANNED	8/2/2018	2	26	13
PLANNED	8/2/2018	4	672	168
PLANNED	8/2/2018	1	120	120
PLANNED	8/2/2018	3	204	68
PLANNED	8/2/2018	8	680	85
PLANNED	8/2/2018	1	55	55
PLANNED	8/2/2018	1	101	101
PLANNED	8/2/2018	2	126	63
PLANNED	8/2/2018	6	414	69
PLANNED	8/2/2018	93	465	5
PLANNED	8/2/2018	3	84	28
PLANNED	8/2/2018	25	950	38
PLANNED	8/2/2018	25	2,775	111
PLANNED	8/2/2018	5	185	37
PLANNED	8/2/2018	1	37	37
PLANNED	8/2/2018	2	78	39
PLANNED	8/2/2018	33	2,541	77
PLANNED	8/2/2018	6	312	52
PLANNED	8/2/2018	1	181	181
PLANNED	8/2/2018	2	8	4
PLANNED	8/2/2018	6	276	46
PLANNED	8/2/2018	3	1,182	394
PLANNED	8/2/2018	1	35	35
PLANNED	8/2/2018	2	120	60
PLANNED	8/2/2018	3	312	104
PLANNED	8/2/2018	4	640	160
PLANNED	8/2/2018	10	860	86
PLANNED	8/2/2018	4	476	119
PLANNED	8/2/2018	9	828	92
PLANNED	8/2/2018	1	49	49
PLANNED	8/2/2018	2	56	28
PLANNED	8/2/2018	1	311	311
PLANNED	8/2/2018	4	232	58
PLANNED	8/2/2018	10	560	56
PLANNED	8/2/2018	3	93	31
PLANNED	8/2/2018	9	1,881	209
PLANNED	8/2/2018	8	1,360	170
PLANNED	8/2/2018	3	330	110
PLANNED	8/2/2018	9	1,854	206
PLANNED	8/2/2018	8	96	12
PLANNED	8/2/2018	8	1,256	157
PLANNED	8/2/2018	4	76	19

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/2/2018	1	84	84
PLANNED	8/2/2018	8	176	52
PLANNED	8/2/2018	9	1,098	122
PLANNED	8/2/2018	1	71	71
PLANNED	8/2/2018	6	648	108
PLANNED	8/2/2018	1	124	124
PLANNED	8/2/2018	5	215	43
PLANNED	8/2/2018	4	348	87
PLANNED	8/2/2018	16	1,680	105
PLANNED	8/2/2018	2	62	31
PLANNED	8/2/2018	7	196	28
PLANNED	8/2/2018	1	426	426
PLANNED	8/2/2018	1	140	140
PLANNED	8/2/2018	1	725	725
PLANNED	8/2/2018	16	960	60
PLANNED	8/2/2018	14	1,078	77
CUSTOMER REQUEST	8/3/2018	17	4,131	243
CUSTOMER REQUEST	8/3/2018	3	729	243
PLANNED	8/3/2018	15	2,475	165
PLANNED	8/3/2018	8	104	13
PLANNED	8/3/2018	1	33	33
PLANNED	8/3/2018	1	159	159
PLANNED	8/3/2018	2	394	197
PLANNED	8/3/2018	1	233	233
PLANNED	8/3/2018	1	90	90
PLANNED	8/3/2018	1	180	180
PLANNED	8/3/2018	25	2,050	82
PLANNED	8/3/2018	5	585	117
PLANNED	8/3/2018	3	783	261
PLANNED	8/3/2018	1	65	65
CUSTOMER REQUEST	8/3/2018	2	786	393
PLANNED	8/3/2018	1	78	78
PLANNED	8/3/2018	31	4,743	153
PLANNED	8/3/2018	3	612	204
PLANNED	8/3/2018	4	384	96
PLANNED	8/3/2018	11	1,056	96
PLANNED	8/3/2018	12	576	48
PLANNED	8/3/2018	33	3,003	91
PLANNED	8/3/2018	1	6	6
PLANNED	8/3/2018	1	43	43
PLANNED	8/3/2018	1	140	140
PLANNED	8/3/2018	11	1,265	115
PLANNED	8/3/2018	1	110	110
CUSTOMER REQUEST	8/3/2018	9	36	4
PLANNED	8/3/2018	6	1,044	174
PLANNED	8/3/2018	1	147	147
PLANNED	8/3/2018	19	2,109	111
PLANNED	8/3/2018	5	135	27
PLANNED	8/3/2018	1	199	199
PLANNED	8/3/2018	12	276	23
PLANNED	8/3/2018	10	2,830	283

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/3/2018	4	264	66
PLANNED	8/3/2018	2	248	124
PLANNED	8/3/2018	6	624	104
PLANNED	8/3/2018	2	104	52
PLANNED	8/3/2018	1	82	82
PLANNED	8/3/2018	1	77	77
PLANNED	8/3/2018	6	222	37
PLANNED	8/3/2018	3	108	36
PLANNED	8/3/2018	10	2,000	200
PLANNED	8/3/2018	8	344	43
PLANNED	8/3/2018	8	288	36
PLANNED	8/3/2018	7	252	36
CUSTOMER REQUEST	8/3/2018	9	234	26
PLANNED	8/3/2018	1	183	183
PLANNED	8/3/2018	22	726	33
PLANNED	8/3/2018	1	9	9
PLANNED	8/3/2018	6	336	56
PLANNED	8/3/2018	25	1,950	78
PLANNED	8/3/2018	11	1,342	122
PLANNED	8/3/2018	1	46	46
PLANNED	8/3/2018	56	4,760	85
PLANNED	8/3/2018	3	120	40
PLANNED	8/3/2018	2	118	59
PLANNED	8/3/2018	4	208	52
PLANNED	8/3/2018	8	1,992	249
PLANNED	8/3/2018	14	280	20
PLANNED	8/3/2018	1	30	30
PLANNED	8/3/2018	8	40	5
PLANNED	8/3/2018	8	656	82
PLANNED	8/3/2018	10	1,000	100
PLANNED	8/3/2018	2	144	72
PLANNED	8/3/2018	3	771	257
PLANNED	8/3/2018	2	112	56
PLANNED	8/3/2018	9	846	94
PLANNED	8/3/2018	12	1,164	97
PLANNED	8/3/2018	6	60	10
PLANNED	8/3/2018	7	427	61
CUSTOMER REQUEST	8/3/2018	1	187	187
PLANNED	8/3/2018	6	498	83
PLANNED	8/3/2018	10	450	45
PLANNED	8/3/2018	1	64	64
PLANNED	8/3/2018	1	85	85
CUSTOMER REQUEST	8/3/2018	1	87	87
PLANNED	8/3/2018	14	392	28
PLANNED	8/3/2018	7	1,953	279
PLANNED	8/3/2018	7	112	16
PLANNED	8/3/2018	1	361	361
PLANNED	8/4/2018	6	318	53
PLANNED	8/4/2018	1	102	102
PLANNED	8/4/2018	7	486	83
PLANNED	8/4/2018	1	56	56

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/4/2018	5	80	16
PLANNED	8/4/2018	1	203	203
PLANNED	8/4/2018	7	1,134	162
CUSTOMER REQUEST	8/4/2018	1	1,476	1,476
CUSTOMER REQUEST	8/4/2018	4	3,800	950
PLANNED	8/4/2018	97	9,603	99
PLANNED	8/4/2018	2	230	115
PLANNED	8/4/2018	2	136	68
PLANNED	8/4/2018	5	105	21
PLANNED	8/4/2018	9	684	76
PLANNED	8/4/2018	1	39	39
PLANNED	8/4/2018	1	67	67
PLANNED	8/4/2018	1	21	21
PLANNED	8/4/2018	4	168	42
PLANNED	8/4/2018	11	1,364	124
PLANNED	8/4/2018	2	234	117
PLANNED	8/4/2018	1	86	86
PLANNED	8/4/2018	21	3,339	159
PLANNED	8/4/2018	6	54	9
PLANNED	8/5/2018	6	1,728	288
PLANNED	8/5/2018	1	27	27
PLANNED	8/5/2018	4	636	159
PLANNED	8/5/2018	1	56	56
PLANNED	8/5/2018	13	611	47
PLANNED	8/5/2018	1	57	57
PLANNED	8/5/2018	4	444	111
PLANNED	8/5/2018	1	158	158
PLANNED	8/5/2018	1	316	316
PLANNED	8/5/2018	1	104	104
CUSTOMER REQUEST	8/5/2018	1	153	153
PLANNED	8/5/2018	44	2,464	56
PLANNED	8/5/2018	1	192	192
PLANNED	8/5/2018	6	1,524	254
PLANNED	8/5/2018	10	1,520	152
PLANNED	8/5/2018	4	132	33
PLANNED	8/5/2018	1	50	50
PLANNED	8/5/2018	9	81	9
PLANNED	8/5/2018	1	164	164
PLANNED	8/5/2018	1	158	158
PLANNED	8/6/2018	1	361	361
PLANNED	8/6/2018	8	576	72
PLANNED	8/6/2018	5	1,145	229
PLANNED	8/6/2018	2	270	135
PLANNED	8/6/2018	1	141	141
PLANNED	8/6/2018	3	228	76
PLANNED	8/6/2018	7	490	70
PLANNED	8/6/2018	2	198	99
PLANNED	8/6/2018	10	750	75
PLANNED	8/6/2018	8	544	68
PLANNED	8/6/2018	1	132	132
PLANNED	8/6/2018	31	3,038	98

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/6/2018	2	160	80
PLANNED	8/6/2018	3	297	99
PLANNED	8/6/2018	2	258	129
PLANNED	8/6/2018	1	4	4
PLANNED	8/6/2018	3	108	36
PLANNED	8/6/2018	2	176	88
PLANNED	8/6/2018	6	1,806	301
PLANNED	8/6/2018	2	536	268
PLANNED	8/6/2018	11	2,431	221
CUSTOMER REQUEST	8/6/2018	5	645	129
PLANNED	8/6/2018	8	376	47
PLANNED	8/6/2018	1	436	436
PLANNED	8/6/2018	1	81	81
PLANNED	8/6/2018	2	10	5
PLANNED	8/6/2018	2	348	174
PLANNED	8/6/2018	17	935	55
PLANNED	8/6/2018	51	2,397	47
PLANNED	8/6/2018	8	264	33
PLANNED	8/6/2018	5	1,470	294
PLANNED	8/6/2018	6	2,220	370
PLANNED	8/6/2018	21	2,520	120
PLANNED	8/6/2018	17	1,887	111
PLANNED	8/6/2018	5	585	117
PLANNED	8/6/2018	7	343	49
PLANNED	8/6/2018	2	8	4
PLANNED	8/6/2018	1	485	485
PLANNED	8/6/2018	2	142	71
PLANNED	8/6/2018	1	21	21
PLANNED	8/6/2018	12	1,536	128
PLANNED	8/6/2018	8	792	99
PLANNED	8/6/2018	6	534	89
PLANNED	8/6/2018	6	438	73
PLANNED	8/6/2018	1	17	17
PLANNED	8/6/2018	1	160	160
PLANNED	8/6/2018	12	1,872	156
PLANNED	8/6/2018	1	175	175
PLANNED	8/6/2018	126	378	3
PLANNED	8/6/2018	2	14	7
PLANNED	8/6/2018	12	1,512	126
PLANNED	8/6/2018	5	115	23
PLANNED	8/6/2018	5	95	19
PLANNED	8/6/2018	1	254	254
PLANNED	8/6/2018	1	56	56
PLANNED	8/6/2018	2	172	86
PLANNED	8/6/2018	4	144	36
PLANNED	8/6/2018	1	54	54
CUSTOMER REQUEST	8/6/2018	2	18	9
PLANNED	8/6/2018	16	1,808	113
PLANNED	8/6/2018	2	6	3
PLANNED	8/6/2018	6	576	96
PLANNED	8/6/2018	2	152	76

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/6/2018	2	154	77
PLANNED	8/6/2018	7	105	15
PLANNED	8/6/2018	5	230	46
PLANNED	8/6/2018	3	24	8
PLANNED	8/6/2018	3	240	80
PLANNED	8/6/2018	6	480	80
PLANNED	8/6/2018	12	588	49
PLANNED	8/6/2018	9	2,088	232
PLANNED	8/6/2018	1	152	152
PLANNED	8/6/2018	1	253	253
PLANNED	8/6/2018	9	1,206	134
PLANNED	8/6/2018	3	330	110
PLANNED	8/6/2018	4	168	42
PLANNED	8/6/2018	15	15	1
PLANNED	8/6/2018	3	168	56
PLANNED	8/6/2018	3	111	37
PLANNED	8/6/2018	4	636	159
PLANNED	8/6/2018	1	215	215
PLANNED	8/6/2018	14	28	2
CUSTOMER REQUEST	8/6/2018	7	518	74
PLANNED	8/6/2018	4	648	162
PLANNED	8/6/2018	22	3,300	150
PLANNED	8/6/2018	6	252	42
PLANNED	8/6/2018	1	2	2
PLANNED	8/6/2018	7	679	97
PLANNED	8/6/2018	18	252	14
PLANNED	8/6/2018	4	256	64
PLANNED	8/6/2018	9	342	38
PLANNED	8/6/2018	7	742	106
PLANNED	8/6/2018	1	32	32
PLANNED	8/6/2018	2	162	81
PLANNED	8/6/2018	2	102	51
PLANNED	8/6/2018	4	212	53
PLANNED	8/6/2018	3	99	33
PLANNED	8/6/2018	1	118	118
PLANNED	8/6/2018	3	678	226
PLANNED	8/6/2018	2	116	58
PLANNED	8/6/2018	1	342	342
PLANNED	8/6/2018	1	184	184
PLANNED	8/6/2018	17	1,955	115
PLANNED	8/7/2018	1	167	167
PLANNED	8/7/2018	1	69	69
PLANNED	8/7/2018	2	72	36
PLANNED	8/7/2018	6	798	133
PLANNED	8/7/2018	7	2,198	314
PLANNED	8/7/2018	1	421	421
PLANNED	8/7/2018	4	1,176	294
CUSTOMER REQUEST	8/7/2018	1	179	179
PLANNED	8/7/2018	7	3,416	488
PLANNED	8/7/2018	12	2,652	221
PLANNED	8/7/2018	2	86	43

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/7/2018	6	930	155
PLANNED	8/7/2018	8	648	81
PLANNED	8/7/2018	4	532	133
PLANNED	8/7/2018	7	1,358	194
CUSTOMER REQUEST	8/7/2018	35	1,015	29
CUSTOMER REQUEST	8/7/2018	3	870	290
PLANNED	8/7/2018	3	429	143
PLANNED	8/7/2018	1	103	103
PLANNED	8/7/2018	8	384	48
PLANNED	8/7/2018	3	21	7
PLANNED	8/7/2018	17	2,601	153
PLANNED	8/7/2018	8	1,104	138
PLANNED	8/7/2018	10	1,430	143
PLANNED	8/7/2018	12	1,944	162
PLANNED	8/7/2018	20	1,300	65
PLANNED	8/7/2018	1	27	27
PLANNED	8/7/2018	2	178	89
PLANNED	8/7/2018	2	290	145
PLANNED	8/7/2018	7	1,484	212
PLANNED	8/7/2018	18	3,708	206
PLANNED	8/7/2018	8	1,680	210
PLANNED	8/7/2018	4	716	179
PLANNED	8/7/2018	1	206	206
PLANNED	8/7/2018	2	72	36
PLANNED	8/7/2018	1	13	13
PLANNED	8/7/2018	1	100	100
PLANNED	8/7/2018	4	228	57
PLANNED	8/7/2018	8	80	10
PLANNED	8/7/2018	9	540	60
PLANNED	8/7/2018	4	596	149
PLANNED	8/7/2018	16	2,272	142
PLANNED	8/7/2018	1	296	296
PLANNED	8/7/2018	3	129	43
PLANNED	8/7/2018	5	475	95
PLANNED	8/7/2018	12	732	61
PLANNED	8/7/2018	8	1,184	148
PLANNED	8/7/2018	2	236	118
PLANNED	8/7/2018	5	2,210	442
PLANNED	8/7/2018	2	74	37
PLANNED	8/7/2018	5	235	47
PLANNED	8/7/2018	19	1,729	91
PLANNED	8/7/2018	10	1,590	159
PLANNED	8/7/2018	1	25	25
CUSTOMER REQUEST	8/7/2018	10	520	52
PLANNED	8/7/2018	4	548	137
PLANNED	8/7/2018	10	1,890	189
PLANNED	8/7/2018	1	151	151
PLANNED	8/7/2018	13	234	18
PLANNED	8/7/2018	13	767	59
PLANNED	8/7/2018	2	44	22
PLANNED	8/7/2018	1	82	82

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/7/2018	2	384	192
PLANNED	8/7/2018	18	3,204	178
PLANNED	8/7/2018	6	312	52
PLANNED	8/7/2018	4	136	34
PLANNED	8/7/2018	14	1,680	120
PLANNED	8/7/2018	4	404	101
PLANNED	8/7/2018	22	154	7
CUSTOMER REQUEST	8/7/2018	3	420	140
PLANNED	8/7/2018	1	34	34
PLANNED	8/7/2018	5	230	46
PLANNED	8/7/2018	2	146	73
CUSTOMER REQUEST	8/7/2018	4	60	15
PLANNED	8/7/2018	3	198	66
PLANNED	8/7/2018	4	164	41
PLANNED	8/7/2018	3	480	160
PLANNED	8/7/2018	4	36	9
PLANNED	8/7/2018	8	48	6
PLANNED	8/7/2018	6	396	66
PLANNED	8/7/2018	8	464	58
PLANNED	8/7/2018	9	846	94
PLANNED	8/7/2018	4	556	139
PLANNED	8/7/2018	4	568	142
CUSTOMER REQUEST	8/7/2018	5	145	29
CUSTOMER REQUEST	8/7/2018	7	1,183	169
PLANNED	8/7/2018	3	240	80
PLANNED	8/7/2018	2	282	141
PLANNED	8/7/2018	1	187	187
PLANNED	8/7/2018	8	640	80
PLANNED	8/7/2018	6	666	111
PLANNED	8/7/2018	30	2,640	88
PLANNED	8/7/2018	1	29	29
PLANNED	8/7/2018	1	151	151
CUSTOMER REQUEST	8/7/2018	1,965	27,510	14
PLANNED	8/7/2018	6	84	14
CUSTOMER REQUEST	8/7/2018	1	4	4
PLANNED	8/7/2018	1	60	60
PLANNED	8/8/2018	3	606	202
PLANNED	8/8/2018	2	448	224
PLANNED	8/8/2018	1	69	69
CUSTOMER REQUEST	8/8/2018	6	1,092	182
PLANNED	8/8/2018	1	111	111
PLANNED	8/8/2018	2	52	26
CUSTOMER REQUEST	8/8/2018	5	115	23
PLANNED	8/8/2018	1	341	341
PLANNED	8/8/2018	2	676	338
PLANNED	8/8/2018	1	143	143
PLANNED	8/8/2018	22	3,674	167
PLANNED	8/8/2018	6	588	98
CUSTOMER REQUEST	8/8/2018	4	396	99
PLANNED	8/8/2018	2	434	217
PLANNED	8/8/2018	5	590	118

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/8/2018	6	2,076	346
PLANNED	8/8/2018	6	624	104
PLANNED	8/8/2018	6	624	104
PLANNED	8/8/2018	4	460	115
CUSTOMER REQUEST	8/8/2018	10	90	9
PLANNED	8/8/2018	4	768	192
CUSTOMER REQUEST	8/8/2018	13	472	203
CUSTOMER REQUEST	8/8/2018	10	8,350	835
PLANNED	8/8/2018	8	1,072	134
PLANNED	8/8/2018	1	149	149
PLANNED	8/8/2018	20	3,620	181
PLANNED	8/8/2018	1	207	207
PLANNED	8/8/2018	4	324	81
CUSTOMER REQUEST	8/8/2018	1	119	119
PLANNED	8/8/2018	2	286	143
PLANNED	8/8/2018	2	130	65
PLANNED	8/8/2018	12	168	14
PLANNED	8/8/2018	23	179	79
PLANNED	8/8/2018	3	159	53
PLANNED	8/8/2018	3	210	70
PLANNED	8/8/2018	92	4,876	53
CUSTOMER REQUEST	8/8/2018	1	75	75
PLANNED	8/8/2018	7	406	58
PLANNED	8/8/2018	13	104	8
PLANNED	8/8/2018	33	2,211	67
CUSTOMER REQUEST	8/8/2018	7	217	31
PLANNED	8/8/2018	2	200	100
PLANNED	8/8/2018	3	732	244
PLANNED	8/8/2018	2	480	240
PLANNED	8/8/2018	7	574	82
PLANNED	8/8/2018	1	133	133
PLANNED	8/8/2018	7	847	121
PLANNED	8/8/2018	13	962	74
PLANNED	8/8/2018	5	385	77
PLANNED	8/8/2018	9	603	67
PLANNED	8/8/2018	12	384	32
PLANNED	8/8/2018	1	62	62
PLANNED	8/8/2018	16	4,352	272
PLANNED	8/8/2018	14	4,746	339
PLANNED	8/8/2018	12	1,032	86
PLANNED	8/8/2018	138	9,192	179
PLANNED	8/8/2018	19	665	35
PLANNED	8/8/2018	2	98	49
PLANNED	8/8/2018	9	603	67
PLANNED	8/8/2018	7	112	16
PLANNED	8/8/2018	6	348	58
PLANNED	8/8/2018	1	144	144
PLANNED	8/8/2018	3	489	163
PLANNED	8/8/2018	2	44	22
PLANNED	8/8/2018	4	772	193
PLANNED	8/8/2018	3	564	188

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/8/2018	4	132	33
PLANNED	8/8/2018	3	513	171
PLANNED	8/8/2018	4	68	17
PLANNED	8/8/2018	7	1,400	200
PLANNED	8/8/2018	6	1,560	260
PLANNED	8/8/2018	10	1,260	126
PLANNED	8/8/2018	9	2,196	244
PLANNED	8/8/2018	13	936	72
PLANNED	8/8/2018	13	169	13
PLANNED	8/8/2018	36	1,404	39
PLANNED	8/8/2018	4	872	218
PLANNED	8/8/2018	6	876	146
PLANNED	8/8/2018	10	1,750	175
CUSTOMER REQUEST	8/8/2018	2	84	42
PLANNED	8/8/2018	1	169	169
PLANNED	8/8/2018	16	1,040	65
PLANNED	8/8/2018	6	48	8
PLANNED	8/8/2018	6	366	61
PLANNED	8/8/2018	13	1,469	113
CUSTOMER REQUEST	8/8/2018	2	156	78
PLANNED	8/8/2018	1	9	9
PLANNED	8/8/2018	13	2,756	212
CUSTOMER REQUEST	8/8/2018	56	4,200	75
PLANNED	8/8/2018	11	2,277	207
PLANNED	8/8/2018	2	22	11
PLANNED	8/8/2018	16	3,840	240
PLANNED	8/8/2018	32	2,240	70
PLANNED	8/8/2018	2	212	106
PLANNED	8/8/2018	1	40	40
PLANNED	8/8/2018	16	1,632	102
PLANNED	8/8/2018	7	644	92
PLANNED	8/8/2018	6	216	36
PLANNED	8/8/2018	17	1,258	74
CUSTOMER REQUEST	8/8/2018	10	120	12
PLANNED	8/8/2018	1	23	23
PLANNED	8/8/2018	1	41	41
PLANNED	8/8/2018	1	15	15
PLANNED	8/8/2018	3	465	155
PLANNED	8/8/2018	1	35	35
PLANNED	8/8/2018	2	160	80
PLANNED	8/8/2018	1	28	28
PLANNED	8/8/2018	7	1,155	165
PLANNED	8/8/2018	2	256	128
PLANNED	8/8/2018	10	860	86
PLANNED	8/8/2018	3	372	124
CUSTOMER REQUEST	8/8/2018	1	1,292	1,292
PLANNED	8/8/2018	7	322	46
PLANNED	8/8/2018	19	3,382	178
PLANNED	8/8/2018	7	728	104
PLANNED	8/8/2018	14	182	13
PLANNED	8/8/2018	2	44	22

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/8/2018	16	688	43
PLANNED	8/8/2018	13	1,521	117
PLANNED	8/8/2018	35	1,890	54
PLANNED	8/8/2018	2	108	54
PLANNED	8/8/2018	3	126	42
PLANNED	8/8/2018	1	45	45
PLANNED	8/8/2018	8	400	50
PLANNED	8/8/2018	2	212	106
PLANNED	8/8/2018	1	368	368
PLANNED	8/8/2018	2	826	413
PLANNED	8/9/2018	1	257	257
PLANNED	8/9/2018	3	204	68
PLANNED	8/9/2018	2	270	135
PLANNED	8/9/2018	7	1,134	162
PLANNED	8/9/2018	9	630	70
PLANNED	8/9/2018	4	412	103
PLANNED	8/9/2018	2	210	105
PLANNED	8/9/2018	10	850	85
PLANNED	8/9/2018	11	748	68
PLANNED	8/9/2018	1	110	110
PLANNED	8/9/2018	2	150	75
PLANNED	8/9/2018	6	618	103
PLANNED	8/9/2018	1	130	130
PLANNED	8/9/2018	16	3,840	362
PLANNED	8/9/2018	4	744	186
CUSTOMER REQUEST	8/9/2018	1	270	270
PLANNED	8/9/2018	35	6,475	185
PLANNED	8/9/2018	4	48	12
PLANNED	8/9/2018	3	477	159
PLANNED	8/9/2018	3	462	154
PLANNED	8/9/2018	5	1,090	218
PLANNED	8/9/2018	16	1,936	121
PLANNED	8/9/2018	16	2,032	127
PLANNED	8/9/2018	4	164	41
PLANNED	8/9/2018	10	1,470	147
CUSTOMER REQUEST	8/9/2018	1	44	44
PLANNED	8/9/2018	6	918	153
PLANNED	8/9/2018	2	266	133
PLANNED	8/9/2018	12	432	36
PLANNED	8/9/2018	5	1,170	234
PLANNED	8/9/2018	12	840	70
CUSTOMER REQUEST	8/9/2018	15	2,175	145
PLANNED	8/9/2018	12	3,132	261
PLANNED	8/9/2018	2	234	117
PLANNED	8/9/2018	8	1,016	127
PLANNED	8/9/2018	7	1,218	174
PLANNED	8/9/2018	1	95	95
PLANNED	8/9/2018	2	44	22
PLANNED	8/9/2018	3	117	39
PLANNED	8/9/2018	5	30	6
PLANNED	8/9/2018	1	218	218

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/9/2018	1	213	213
PLANNED	8/9/2018	11	759	69
PLANNED	8/9/2018	5	290	58
PLANNED	8/9/2018	4	116	29
PLANNED	8/9/2018	4	220	55
PLANNED	8/9/2018	7	770	110
PLANNED	8/9/2018	5	755	151
PLANNED	8/9/2018	1	20	20
PLANNED	8/9/2018	10	1,090	109
PLANNED	8/9/2018	4	204	51
PLANNED	8/9/2018	3	240	80
PLANNED	8/9/2018	4	296	74
PLANNED	8/9/2018	8	312	39
PLANNED	8/9/2018	8	360	45
CUSTOMER REQUEST	8/9/2018	3	147	49
PLANNED	8/9/2018	5	675	135
PLANNED	8/9/2018	3	198	66
PLANNED	8/9/2018	4	332	83
PLANNED	8/9/2018	1	8	8
CUSTOMER REQUEST	8/9/2018	8	152	19
PLANNED	8/9/2018	6	714	119
PLANNED	8/9/2018	6	714	119
PLANNED	8/9/2018	3	357	119
PLANNED	8/9/2018	3	357	119
PLANNED	8/9/2018	4	476	119
PLANNED	8/9/2018	13	2,756	212
PLANNED	8/9/2018	3	234	78
PLANNED	8/9/2018	6	798	133
PLANNED	8/9/2018	7	140	20
PLANNED	8/9/2018	5	255	51
PLANNED	8/9/2018	1	120	120
PLANNED	8/9/2018	3	534	178
PLANNED	8/9/2018	4	572	143
PLANNED	8/9/2018	17	1,292	76
PLANNED	8/9/2018	1	117	117
PLANNED	8/9/2018	11	1,122	102
PLANNED	8/9/2018	10	890	89
PLANNED	8/9/2018	9	990	110
CUSTOMER REQUEST	8/9/2018	1	204	204
PLANNED	8/9/2018	2	70	35
PLANNED	8/9/2018	2	114	57
PLANNED	8/9/2018	4	260	65
PLANNED	8/9/2018	3	282	94
PLANNED	8/9/2018	4	1,264	316
PLANNED	8/9/2018	8	408	51
PLANNED	8/9/2018	2	66	33
PLANNED	8/9/2018	7	1,036	148
PLANNED	8/9/2018	6	282	47
PLANNED	8/9/2018	7	483	69
PLANNED	8/9/2018	7	210	30
PLANNED	8/9/2018	12	2,016	168

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/9/2018	53	3,763	71
PLANNED	8/9/2018	3	486	162
PLANNED	8/9/2018	1	105	105
PLANNED	8/9/2018	79	6,083	77
PLANNED	8/9/2018	5	545	109
PLANNED	8/9/2018	2	100	50
PLANNED	8/9/2018	1	19	19
PLANNED	8/9/2018	6	222	37
PLANNED	8/9/2018	4	424	106
PLANNED	8/9/2018	14	1,078	77
PLANNED	8/9/2018	6	1,212	202
PLANNED	8/9/2018	1	20	20
PLANNED	8/9/2018	7	315	45
PLANNED	8/9/2018	6	246	41
PLANNED	8/9/2018	2	192	96
PLANNED	8/9/2018	7	385	55
PLANNED	8/9/2018	1	22	22
PLANNED	8/9/2018	1	125	125
PLANNED	8/9/2018	3	270	90
PLANNED	8/9/2018	6	966	161
PLANNED	8/9/2018	3	459	153
PLANNED	8/9/2018	3	564	188
PLANNED	8/9/2018	8	480	60
PLANNED	8/9/2018	10	880	88
PLANNED	8/9/2018	13	702	54
PLANNED	8/9/2018	1	129	129
PLANNED	8/9/2018	2	272	136
PLANNED	8/9/2018	25	1,875	75
PLANNED	8/9/2018	1	148	148
PLANNED	8/9/2018	1	147	147
PLANNED	8/9/2018	3	768	256
PLANNED	8/9/2018	4	1,008	252
PLANNED	8/10/2018	8	1,296	162
PLANNED	8/10/2018	3	411	137
PLANNED	8/10/2018	2	448	224
PLANNED	8/10/2018	22	5,390	245
PLANNED	8/10/2018	2	1,042	521
PLANNED	8/10/2018	1	20	20
PLANNED	8/10/2018	1	74	74
PLANNED	8/10/2018	1	108	108
PLANNED	8/10/2018	8	136	17
PLANNED	8/10/2018	3	246	82
PLANNED	8/10/2018	3	252	84
PLANNED	8/10/2018	6	1,920	320
PLANNED	8/10/2018	4	332	83
PLANNED	8/10/2018	1	178	178
CUSTOMER REQUEST	8/10/2018	23	966	42
PLANNED	8/10/2018	52	1,716	33
PLANNED	8/10/2018	1	28	28
CUSTOMER REQUEST	8/10/2018	5	2,545	509
PLANNED	8/10/2018	6	576	96

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/10/2018	2	414	207
PLANNED	8/10/2018	7	735	105
PLANNED	8/10/2018	10	1,090	109
PLANNED	8/10/2018	4	348	87
CUSTOMER REQUEST	8/10/2018	1	324	324
PLANNED	8/10/2018	9	45	5
PLANNED	8/10/2018	6	2,040	340
PLANNED	8/10/2018	7	378	54
PLANNED	8/10/2018	1	234	234
CUSTOMER REQUEST	8/10/2018	5	1,090	218
PLANNED	8/10/2018	3	333	111
CUSTOMER REQUEST	8/10/2018	2	434	217
PLANNED	8/10/2018	6	426	71
PLANNED	8/10/2018	6	444	74
PLANNED	8/10/2018	2	622	311
PLANNED	8/10/2018	11	2,013	183
PLANNED	8/10/2018	8	1,624	203
PLANNED	8/10/2018	2	178	89
PLANNED	8/10/2018	12	528	44
PLANNED	8/10/2018	2	390	195
PLANNED	8/10/2018	3	102	34
PLANNED	8/10/2018	10	760	76
PLANNED	8/10/2018	1	189	189
PLANNED	8/10/2018	6	1,920	320
CUSTOMER REQUEST	8/10/2018	4	128	32
PLANNED	8/10/2018	8	96	12
PLANNED	8/10/2018	1	90	90
PLANNED	8/10/2018	6	558	93
PLANNED	8/10/2018	17	833	49
CUSTOMER REQUEST	8/10/2018	4	932	233
PLANNED	8/10/2018	1	83	83
PLANNED	8/10/2018	2	308	154
PLANNED	8/10/2018	1	166	166
PLANNED	8/10/2018	8	672	84
PLANNED	8/10/2018	6	768	128
PLANNED	8/10/2018	5	550	110
PLANNED	8/10/2018	2	300	150
PLANNED	8/10/2018	5	580	116
PLANNED	8/10/2018	3	864	288
PLANNED	8/10/2018	8	664	83
PLANNED	8/10/2018	3	291	97
PLANNED	8/10/2018	8	240	30
PLANNED	8/10/2018	2	268	134
PLANNED	8/10/2018	4	160	40
PLANNED	8/10/2018	94	3,572	38
PLANNED	8/10/2018	6	114	19
PLANNED	8/10/2018	1	66	66
PLANNED	8/10/2018	12	396	33
PLANNED	8/10/2018	2	478	239
PLANNED	8/10/2018	2	218	109
PLANNED	8/10/2018	1	112	112

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/10/2018	10	1,640	164
CUSTOMER REQUEST	8/10/2018	11	682	62
PLANNED	8/10/2018	9	54	6
PLANNED	8/10/2018	3	408	136
CUSTOMER REQUEST	8/10/2018	23	989	43
CUSTOMER REQUEST	8/10/2018	1	212	212
PLANNED	8/10/2018	1	60	60
PLANNED	8/10/2018	3	258	86
PLANNED	8/10/2018	1	94	94
PLANNED	8/10/2018	1	92	92
CUSTOMER REQUEST	8/10/2018	3	240	80
PLANNED	8/10/2018	18	2,034	113
PLANNED	8/10/2018	4	432	108
PLANNED	8/10/2018	2	230	115
PLANNED	8/11/2018	1	100	287
PLANNED	8/11/2018	57	5,244	92
PLANNED	8/11/2018	1	52	52
CUSTOMER REQUEST	8/11/2018	1	100	100
CUSTOMER REQUEST	8/11/2018	1	738	738
PLANNED	8/11/2018	3	321	107
PLANNED	8/11/2018	1	234	234
PLANNED	8/11/2018	1	285	285
PLANNED	8/11/2018	6	726	121
PLANNED	8/11/2018	12	840	70
PLANNED	8/11/2018	3	564	188
PLANNED	8/11/2018	1	259	259
PLANNED	8/11/2018	1	107	107
PLANNED	8/11/2018	16	1,296	81
PLANNED	8/11/2018	4	476	119
PLANNED	8/11/2018	1	41	41
PLANNED	8/11/2018	9	3,006	334
PLANNED	8/11/2018	2	486	243
PLANNED	8/12/2018	1	115	115
PLANNED	8/12/2018	1	95	95
PLANNED	8/12/2018	4	416	104
PLANNED	8/12/2018	3	882	294
PLANNED	8/12/2018	1	91	91
PLANNED	8/12/2018	1	40	40
PLANNED	8/12/2018	18	4,374	243
PLANNED	8/12/2018	4	80	20
PLANNED	8/12/2018	1	104	104
PLANNED	8/12/2018	1	488	488
PLANNED	8/12/2018	1	130	130
PLANNED	8/12/2018	1	469	469
PLANNED	8/12/2018	1	87	87
PLANNED	8/12/2018	1	8	8
PLANNED	8/12/2018	43	1,161	27
PLANNED	8/12/2018	5	540	108
PLANNED	8/12/2018	1	27	27
PLANNED	8/12/2018	2	152	76
PLANNED	8/12/2018	1	61	61

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/13/2018	1	78	78
PLANNED	8/13/2018	1	25	25
PLANNED	8/13/2018	14	980	70
CUSTOMER REQUEST	8/13/2018	105	21,420	204
PLANNED	8/13/2018	1	80	80
PLANNED	8/13/2018	1	95	95
CUSTOMER REQUEST	8/13/2018	1	309	309
PLANNED	8/13/2018	2	68	34
PLANNED	8/13/2018	2	88	44
PLANNED	8/13/2018	8	80	10
CUSTOMER REQUEST	8/13/2018	3	561	187
PLANNED	8/13/2018	8	256	32
PLANNED	8/13/2018	4	704	176
CUSTOMER REQUEST	8/13/2018	3	255	85
PLANNED	8/13/2018	7	609	87
PLANNED	8/13/2018	2	166	83
PLANNED	8/13/2018	18	1,386	77
PLANNED	8/13/2018	1	51	51
PLANNED	8/13/2018	4	200	50
PLANNED	8/13/2018	10	1,010	101
PLANNED	8/13/2018	5	255	51
PLANNED	8/13/2018	4	120	30
PLANNED	8/13/2018	2	48	24
PLANNED	8/13/2018	3	399	133
CUSTOMER REQUEST	8/13/2018	2	870	435
PLANNED	8/13/2018	5	50	10
PLANNED	8/13/2018	6	660	110
PLANNED	8/13/2018	7	364	52
PLANNED	8/13/2018	4	132	33
PLANNED	8/13/2018	10	810	81
PLANNED	8/13/2018	5	235	47
PLANNED	8/13/2018	58	580	10
PLANNED	8/13/2018	3	162	54
PLANNED	8/13/2018	1	38	38
PLANNED	8/13/2018	1	51	51
PLANNED	8/13/2018	11	1,694	154
PLANNED	8/13/2018	10	120	12
PLANNED	8/13/2018	7	364	52
CUSTOMER REQUEST	8/13/2018	3	669	223
PLANNED	8/13/2018	7	126	18
PLANNED	8/13/2018	5	290	58
PLANNED	8/13/2018	1	196	196
PLANNED	8/13/2018	14	728	52
PLANNED	8/13/2018	1	29	29
PLANNED	8/13/2018	2	128	64
CUSTOMER REQUEST	8/13/2018	7	427	61
PLANNED	8/13/2018	1	76	76
PLANNED	8/13/2018	8	336	42
PLANNED	8/13/2018	1	285	285
PLANNED	8/13/2018	13	637	49
PLANNED	8/13/2018	4	40	10

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/13/2018	6	570	95
PLANNED	8/13/2018	9	1,035	115
PLANNED	8/13/2018	7	784	112
PLANNED	8/13/2018	7	259	37
CUSTOMER REQUEST	8/13/2018	1	361	361
PLANNED	8/13/2018	6	558	93
PLANNED	8/13/2018	10	1,300	130
PLANNED	8/13/2018	5	205	41
PLANNED	8/13/2018	12	1,272	106
PLANNED	8/13/2018	16	896	56
PLANNED	8/13/2018	1	114	114
PLANNED	8/13/2018	7	679	97
CUSTOMER REQUEST	8/13/2018	2	90	45
PLANNED	8/13/2018	5	120	24
PLANNED	8/13/2018	7	952	136
PLANNED	8/13/2018	4	540	135
PLANNED	8/13/2018	5	560	112
PLANNED	8/13/2018	6	792	132
PLANNED	8/13/2018	1	36	36
PLANNED	8/13/2018	28	420	15
PLANNED	8/13/2018	7	917	131
PLANNED	8/13/2018	4	448	112
CUSTOMER REQUEST	8/13/2018	5	740	148
PLANNED	8/13/2018	10	1,120	112
PLANNED	8/13/2018	5	560	112
CUSTOMER REQUEST	8/13/2018	2	348	174
PLANNED	8/13/2018	2	320	160
CUSTOMER REQUEST	8/13/2018	3	135	45
PLANNED	8/13/2018	5	170	34
PLANNED	8/13/2018	9	360	40
PLANNED	8/13/2018	1	157	157
PLANNED	8/13/2018	13	2,574	198
PLANNED	8/13/2018	3	120	40
PLANNED	8/13/2018	1	271	271
PLANNED	8/13/2018	9	1,314	146
CUSTOMER REQUEST	8/13/2018	1	111	111
PLANNED	8/13/2018	8	72	9
PLANNED	8/13/2018	1	123	123
PLANNED	8/13/2018	2	46	23
PLANNED	8/13/2018	1	76	76
PLANNED	8/13/2018	1	124	124
PLANNED	8/13/2018	1	173	173
PLANNED	8/14/2018	1	113	113
PLANNED	8/14/2018	1	74	74
PLANNED	8/14/2018	12	816	68
PLANNED	8/14/2018	1	98	98
PLANNED	8/14/2018	8	880	110
PLANNED	8/14/2018	8	960	120
PLANNED	8/14/2018	6	720	120
PLANNED	8/14/2018	6	666	111
PLANNED	8/14/2018	2	118	59

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/14/2018	1	94	94
PLANNED	8/14/2018	17	1,462	86
PLANNED	8/14/2018	7	364	52
PLANNED	8/14/2018	1	331	331
PLANNED	8/14/2018	8	880	110
PLANNED	8/14/2018	2	146	73
PLANNED	8/14/2018	2	172	86
PLANNED	8/14/2018	9	1,404	156
PLANNED	8/14/2018	1	195	195
PLANNED	8/14/2018	6	876	146
PLANNED	8/14/2018	9	1,080	120
PLANNED	8/14/2018	2	350	175
PLANNED	8/14/2018	2	46	23
PLANNED	8/14/2018	15	1,260	84
PLANNED	8/14/2018	2	144	72
PLANNED	8/14/2018	1	53	53
PLANNED	8/14/2018	3	273	91
PLANNED	8/14/2018	7	1,484	212
PLANNED	8/14/2018	8	208	26
PLANNED	8/14/2018	8	168	21
CUSTOMER REQUEST	8/14/2018	12	60	5
PLANNED	8/14/2018	6	48	8
PLANNED	8/14/2018	54	8,748	162
PLANNED	8/14/2018	9	1,098	122
PLANNED	8/14/2018	9	1,098	122
PLANNED	8/14/2018	8	144	18
PLANNED	8/14/2018	4	364	91
CUSTOMER REQUEST	8/14/2018	7	1,694	242
CUSTOMER REQUEST	8/14/2018	12	1,164	97
PLANNED	8/14/2018	9	1,485	165
PLANNED	8/14/2018	9	54	6
CUSTOMER REQUEST	8/14/2018	7	847	121
PLANNED	8/14/2018	4	984	246
PLANNED	8/14/2018	3	135	45
CUSTOMER REQUEST	8/14/2018	1	181	181
PLANNED	8/14/2018	6	1,464	244
PLANNED	8/14/2018	7	420	60
PLANNED	8/14/2018	3	222	74
PLANNED	8/14/2018	1	212	212
PLANNED	8/14/2018	5	825	165
PLANNED	8/14/2018	9	36	4
PLANNED	8/14/2018	4	600	150
PLANNED	8/14/2018	1	62	62
PLANNED	8/14/2018	45	11,205	249
PLANNED	8/14/2018	1	111	111
PLANNED	8/14/2018	15	1,560	104
PLANNED	8/14/2018	2	16	8
PLANNED	8/14/2018	7	637	91
PLANNED	8/14/2018	4	740	185
PLANNED	8/14/2018	6	1,122	187
PLANNED	8/14/2018	1	64	64

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/14/2018	4	116	29
PLANNED	8/14/2018	3	111	37
PLANNED	8/14/2018	3	675	225
PLANNED	8/14/2018	1	33	33
PLANNED	8/14/2018	2	42	21
PLANNED	8/14/2018	14	840	60
PLANNED	8/14/2018	1	90	90
PLANNED	8/14/2018	2	194	97
PLANNED	8/14/2018	9	54	6
PLANNED	8/14/2018	7	91	13
CUSTOMER REQUEST	8/14/2018	2	258	129
PLANNED	8/14/2018	10	830	83
PLANNED	8/14/2018	7	658	94
PLANNED	8/14/2018	17	1,071	63
PLANNED	8/14/2018	7	987	141
PLANNED	8/14/2018	4	760	190
PLANNED	8/14/2018	7	154	22
PLANNED	8/14/2018	6	810	135
PLANNED	8/14/2018	3	342	114
CUSTOMER REQUEST	8/14/2018	9	1,665	185
PLANNED	8/14/2018	2	106	53
PLANNED	8/14/2018	5	210	42
PLANNED	8/14/2018	2	214	107
CUSTOMER REQUEST	8/14/2018	1	83	83
CUSTOMER REQUEST	8/14/2018	6	792	132
PLANNED	8/14/2018	6	730	137
CUSTOMER REQUEST	8/14/2018	3	111	37
PLANNED	8/14/2018	2	48	24
CUSTOMER REQUEST	8/14/2018	1	88	88
PLANNED	8/14/2018	1	80	80
PLANNED	8/14/2018	8	104	13
PLANNED	8/14/2018	2	20	10
PLANNED	8/14/2018	21	2,499	119
PLANNED	8/14/2018	2	228	114
PLANNED	8/14/2018	2	88	44
PLANNED	8/14/2018	6	528	88
PLANNED	8/14/2018	3	90	30
PLANNED	8/14/2018	4	160	40
PLANNED	8/14/2018	11	22	2
PLANNED	8/14/2018	6	156	26
CUSTOMER REQUEST	8/14/2018	2	136	68
PLANNED	8/14/2018	17	1,683	99
PLANNED	8/14/2018	8	424	53
PLANNED	8/14/2018	3	183	61
PLANNED	8/14/2018	12	900	75
PLANNED	8/14/2018	4	516	129
CUSTOMER REQUEST	8/14/2018	8	560	70
PLANNED	8/14/2018	33	8,778	266
PLANNED	8/14/2018	9	45	5
PLANNED	8/15/2018	13	3,029	233
PLANNED	8/15/2018	2	142	71

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/15/2018	2	192	96
PLANNED	8/15/2018	1	85	85
PLANNED	8/15/2018	44	3,036	69
CUSTOMER REQUEST	8/15/2018	1	257	257
PLANNED	8/15/2018	7	742	106
PLANNED	8/15/2018	2	150	75
PLANNED	8/15/2018	2	206	103
PLANNED	8/15/2018	2	320	160
PLANNED	8/15/2018	39	6,006	154
PLANNED	8/15/2018	1	50	50
PLANNED	8/15/2018	2	232	116
PLANNED	8/15/2018	3	138	46
PLANNED	8/15/2018	2	190	95
PLANNED	8/15/2018	9	1,152	128
CUSTOMER REQUEST	8/15/2018	31	7,316	236
PLANNED	8/15/2018	10	1,170	117
PLANNED	8/15/2018	2	70	35
PLANNED	8/15/2018	2	266	133
PLANNED	8/15/2018	3	135	45
PLANNED	8/15/2018	2	182	91
PLANNED	8/15/2018	1	48	48
PLANNED	8/15/2018	4	232	58
PLANNED	8/15/2018	2	302	151
PLANNED	8/15/2018	2	340	170
PLANNED	8/15/2018	4	548	137
PLANNED	8/15/2018	9	288	32
PLANNED	8/15/2018	2	116	58
PLANNED	8/15/2018	4	196	49
PLANNED	8/15/2018	1	121	121
PLANNED	8/15/2018	16	80	5
PLANNED	8/15/2018	3	96	32
PLANNED	8/15/2018	35	3,080	88
PLANNED	8/15/2018	2	166	83
PLANNED	8/15/2018	2	254	127
CUSTOMER REQUEST	8/15/2018	5	2,090	418
PLANNED	8/15/2018	25	3,650	146
PLANNED	8/15/2018	18	774	43
CUSTOMER REQUEST	8/15/2018	8	176	22
PLANNED	8/15/2018	61	4,881	711
PLANNED	8/15/2018	11	198	18
PLANNED	8/15/2018	1	12	12
PLANNED	8/15/2018	6	1,362	227
PLANNED	8/15/2018	8	776	97
CUSTOMER REQUEST	8/15/2018	4	536	134
PLANNED	8/15/2018	1	259	259
PLANNED	8/15/2018	1	24	24
PLANNED	8/15/2018	8	744	93
PLANNED	8/15/2018	8	848	106
PLANNED	8/15/2018	2	138	69
PLANNED	8/15/2018	1	244	244
PLANNED	8/15/2018	3	282	94

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/15/2018	1	70	70
PLANNED	8/15/2018	115	8,970	78
PLANNED	8/15/2018	4	1,116	279
PLANNED	8/15/2018	14	1,442	103
CUSTOMER REQUEST	8/15/2018	8	2,592	324
CUSTOMER REQUEST	8/15/2018	1	117	117
PLANNED	8/15/2018	12	396	33
PLANNED	8/15/2018	11	1,276	116
PLANNED	8/15/2018	7	140	20
PLANNED	8/15/2018	9	972	108
PLANNED	8/15/2018	9	1,890	210
PLANNED	8/15/2018	7	140	20
PLANNED	8/15/2018	17	833	49
PLANNED	8/15/2018	1	115	115
PLANNED	8/15/2018	1	77	77
PLANNED	8/15/2018	8	152	19
PLANNED	8/15/2018	12	336	28
PLANNED	8/15/2018	8	920	115
PLANNED	8/15/2018	7	77	11
PLANNED	8/15/2018	1	107	107
CUSTOMER REQUEST	8/15/2018	2	236	118
PLANNED	8/15/2018	3	651	217
PLANNED	8/15/2018	1	68	68
PLANNED	8/15/2018	9	288	32
PLANNED	8/15/2018	2	162	81
PLANNED	8/15/2018	8	584	73
PLANNED	8/15/2018	2	280	140
PLANNED	8/15/2018	6	1,506	251
PLANNED	8/15/2018	20	1,060	53
PLANNED	8/15/2018	12	1,104	92
PLANNED	8/15/2018	4	286	283
PLANNED	8/15/2018	7	588	84
PLANNED	8/15/2018	2	254	127
CUSTOMER REQUEST	8/15/2018	8	72	9
PLANNED	8/15/2018	2	136	68
PLANNED	8/15/2018	8	592	74
PLANNED	8/15/2018	3	207	69
PLANNED	8/15/2018	5	435	87
CUSTOMER REQUEST	8/15/2018	8	80	10
PLANNED	8/15/2018	3	120	40
PLANNED	8/15/2018	2	194	97
CUSTOMER REQUEST	8/15/2018	2	26	13
PLANNED	8/15/2018	6	1,278	213
CUSTOMER REQUEST	8/15/2018	10	1,590	159
PLANNED	8/15/2018	2	202	101
PLANNED	8/15/2018	8	648	81
PLANNED	8/15/2018	9	684	76
PLANNED	8/15/2018	2	26	13
PLANNED	8/15/2018	25	2,950	118
PLANNED	8/15/2018	14	532	38
PLANNED	8/15/2018	3	225	75

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	8/15/2018	1	280	280
PLANNED	8/15/2018	12	1,920	160
PLANNED	8/15/2018	1	134	134
PLANNED	8/15/2018	1	368	368
PLANNED	8/15/2018	9	2,412	268
PLANNED	8/15/2018	1	234	234
PLANNED	8/15/2018	2	186	93
PLANNED	8/15/2018	1	143	143
PLANNED	8/15/2018	2	202	101
PLANNED	8/15/2018	3	933	311
CUSTOMER REQUEST	8/16/2018	32	6,720	210
PLANNED	8/16/2018	1	198	198
PLANNED	8/16/2018	2	346	173
PLANNED	8/16/2018	5	1,390	278
PLANNED	8/16/2018	3	138	46
CUSTOMER REQUEST	8/16/2018	1	14	14
CUSTOMER REQUEST	8/16/2018	1	113	113
PLANNED	8/16/2018	1	94	94
CUSTOMER REQUEST	8/16/2018	1	306	306
PLANNED	8/16/2018	9	2,457	273
PLANNED	8/16/2018	4	512	128
CUSTOMER REQUEST	8/16/2018	1	309	309
PLANNED	8/16/2018	6	312	52
PLANNED	8/16/2018	8	888	111
CUSTOMER REQUEST	8/16/2018	9	1,161	129
PLANNED	8/16/2018	8	888	111
PLANNED	8/16/2018	13	5,577	429
PLANNED	8/16/2018	4	772	193
PLANNED	8/16/2018	2	66	33
PLANNED	8/16/2018	3	96	32
PLANNED	8/16/2018	6	858	143
CUSTOMER REQUEST	8/16/2018	31	1,023	33
PLANNED	8/16/2018	7	161	23
CUSTOMER REQUEST	8/16/2018	2	508	254
PLANNED	8/16/2018	17	1,326	78
PLANNED	8/16/2018	1	306	306
PLANNED	8/16/2018	12	1,056	88
PLANNED	8/16/2018	10	500	50
PLANNED	8/16/2018	3	267	89
PLANNED	8/16/2018	1	168	168
PLANNED	8/16/2018	2	84	42
PLANNED	8/16/2018	8	744	93
PLANNED	8/16/2018	10	1,280	128
PLANNED	8/16/2018	5	625	125
PLANNED	8/16/2018	3	276	92
CUSTOMER REQUEST	8/16/2018	2	28	14
PLANNED	8/16/2018	3	600	200
CUSTOMER REQUEST	8/16/2018	14	588	42
PLANNED	8/16/2018	7	1,302	186
PLANNED	8/16/2018	16	464	29
CUSTOMER REQUEST	8/16/2018	6	144	24

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/16/2018	1	31	31
PLANNED	8/16/2018	2	224	112
CUSTOMER REQUEST	8/16/2018	1	246	246
PLANNED	8/16/2018	2	188	94
PLANNED	8/16/2018	8	496	62
PLANNED	8/16/2018	3	429	143
PLANNED	8/16/2018	4	588	147
PLANNED	8/16/2018	4	224	56
PLANNED	8/16/2018	8	2,240	280
PLANNED	8/16/2018	31	1,209	39
PLANNED	8/16/2018	21	3,612	172
PLANNED	8/16/2018	2	126	63
CUSTOMER REQUEST	8/16/2018	5	895	179
PLANNED	8/16/2018	114	2,394	21
CUSTOMER REQUEST	8/16/2018	8	80	10
CUSTOMER REQUEST	8/16/2018	1	134	134
PLANNED	8/16/2018	9	567	63
PLANNED	8/16/2018	8	240	30
PLANNED	8/16/2018	1	65	65
PLANNED	8/16/2018	1	357	357
PLANNED	8/16/2018	3	390	130
PLANNED	8/16/2018	3	81	27
PLANNED	8/16/2018	4	240	60
PLANNED	8/16/2018	4	260	65
PLANNED	8/16/2018	3	180	60
PLANNED	8/16/2018	5	225	45
PLANNED	8/16/2018	3	174	58
PLANNED	8/16/2018	4	244	61
PLANNED	8/16/2018	7	441	63
PLANNED	8/16/2018	12	300	25
PLANNED	8/16/2018	7	49	7
PLANNED	8/16/2018	18	972	54
CUSTOMER REQUEST	8/16/2018	7	175	25
PLANNED	8/16/2018	6	390	65
PLANNED	8/16/2018	6	192	32
PLANNED	8/16/2018	3	150	50
PLANNED	8/16/2018	146	3,796	26
PLANNED	8/16/2018	6	540	90
PLANNED	8/16/2018	4	196	49
PLANNED	8/16/2018	13	2,054	158
PLANNED	8/16/2018	1	81	81
PLANNED	8/16/2018	5	90	18
PLANNED	8/16/2018	3	42	14
PLANNED	8/16/2018	3	282	94
CUSTOMER REQUEST	8/16/2018	1	292	292
PLANNED	8/16/2018	1	124	124
PLANNED	8/16/2018	8	840	105
PLANNED	8/16/2018	6	96	16
CUSTOMER REQUEST	8/16/2018	2	106	53
CUSTOMER REQUEST	8/16/2018	14	980	70
PLANNED	8/16/2018	5	85	17

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/16/2018	11	638	58
PLANNED	8/16/2018	4	204	51
PLANNED	8/16/2018	3	426	142
PLANNED	8/16/2018	8	1,152	144
PLANNED	8/16/2018	10	880	88
PLANNED	8/16/2018	2	52	26
PLANNED	8/16/2018	7	784	112
PLANNED	8/16/2018	8	152	19
PLANNED	8/16/2018	6	348	58
CUSTOMER REQUEST	8/16/2018	18	2,466	137
PLANNED	8/16/2018	1	75	75
PLANNED	8/16/2018	6	924	154
CUSTOMER REQUEST	8/16/2018	11	726	66
CUSTOMER REQUEST	8/16/2018	1	135	135
PLANNED	8/16/2018	1	23	23
PLANNED	8/16/2018	1	41	41
PLANNED	8/16/2018	1	14	14
PLANNED	8/16/2018	1	73	73
PLANNED	8/16/2018	1	32	32
CUSTOMER REQUEST	8/16/2018	5	3,430	686
PLANNED	8/16/2018	7	987	141
PLANNED	8/16/2018	1	42	42
PLANNED	8/16/2018	2	80	40
PLANNED	8/16/2018	1	91	91
PLANNED	8/16/2018	2	516	258
PLANNED	8/16/2018	2	170	85
PLANNED	8/17/2018	2	120	60
PLANNED	8/17/2018	5	480	96
PLANNED	8/17/2018	11	2,299	209
PLANNED	8/17/2018	1	38	38
PLANNED	8/17/2018	3	297	99
PLANNED	8/17/2018	42	5,292	126
PLANNED	8/17/2018	5	645	129
PLANNED	8/17/2018	1	123	123
PLANNED	8/17/2018	9	585	65
PLANNED	8/17/2018	1	118	118
PLANNED	8/17/2018	41	2,091	51
PLANNED	8/17/2018	5	275	55
PLANNED	8/17/2018	61	854	14
CUSTOMER REQUEST	8/17/2018	5	445	89
CUSTOMER REQUEST	8/17/2018	8	1,672	209
CUSTOMER REQUEST	8/17/2018	8	400	50
PLANNED	8/17/2018	3	969	323
PLANNED	8/17/2018	2	230	115
CUSTOMER REQUEST	8/17/2018	3	36	12
PLANNED	8/17/2018	8	480	60
PLANNED	8/17/2018	1	56	56
PLANNED	8/17/2018	74	10,212	138
PLANNED	8/17/2018	8	448	56
PLANNED	8/17/2018	10	560	56
PLANNED	8/17/2018	13	754	58

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/17/2018	1	79	79
CUSTOMER REQUEST	8/17/2018	18	3,672	204
PLANNED	8/17/2018	3	357	119
PLANNED	8/17/2018	4	108	27
CUSTOMER REQUEST	8/17/2018	8	232	29
PLANNED	8/17/2018	4	240	60
PLANNED	8/17/2018	19	228	12
PLANNED	8/17/2018	25	1,375	55
PLANNED	8/17/2018	8	232	29
CUSTOMER REQUEST	8/17/2018	7	91	13
PLANNED	8/17/2018	33	4,224	128
PLANNED	8/17/2018	1	65	65
PLANNED	8/17/2018	9	2,727	303
PLANNED	8/17/2018	14	3,038	217
PLANNED	8/17/2018	15	1,830	122
PLANNED	8/17/2018	37	9,694	262
PLANNED	8/17/2018	31	3,658	118
PLANNED	8/17/2018	15	2,985	199
PLANNED	8/17/2018	3	150	50
PLANNED	8/17/2018	6	155	150
PLANNED	8/17/2018	2	198	99
PLANNED	8/17/2018	1	113	113
PLANNED	8/17/2018	11	2,189	199
CUSTOMER REQUEST	8/17/2018	8	1,528	191
PLANNED	8/17/2018	21	861	41
PLANNED	8/17/2018	1	273	273
PLANNED	8/17/2018	3	360	120
PLANNED	8/17/2018	5	920	184
PLANNED	8/17/2018	3	138	46
PLANNED	8/17/2018	8	1,904	238
PLANNED	8/17/2018	1	76	76
PLANNED	8/17/2018	4	68	17
PLANNED	8/17/2018	7	182	26
PLANNED	8/17/2018	8	352	44
CUSTOMER REQUEST	8/17/2018	3	702	234
PLANNED	8/17/2018	18	1,998	111
CUSTOMER REQUEST	8/17/2018	8	1,792	224
PLANNED	8/17/2018	21	3,318	158
PLANNED	8/17/2018	17	391	23
PLANNED	8/17/2018	9	216	24
PLANNED	8/17/2018	2	86	43
PLANNED	8/17/2018	1	136	136
PLANNED	8/17/2018	9	576	64
PLANNED	8/17/2018	1	71	71
PLANNED	8/17/2018	1	49	49
PLANNED	8/17/2018	3	234	78
CUSTOMER REQUEST	8/17/2018	1	586	586
CUSTOMER REQUEST	8/17/2018	1	126	126
PLANNED	8/17/2018	9	270	30
PLANNED	8/18/2018	2	92	46
PLANNED	8/18/2018	4	592	148

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/18/2018	1	505	505
PLANNED	8/18/2018	5	625	125
PLANNED	8/18/2018	8	384	48
PLANNED	8/18/2018	4	720	180
PLANNED	8/18/2018	1	171	171
PLANNED	8/18/2018	3	219	73
CUSTOMER REQUEST	8/18/2018	5	45	9
PLANNED	8/18/2018	1	60	60
PLANNED	8/18/2018	8	400	50
CUSTOMER REQUEST	8/18/2018	8	488	61
PLANNED	8/18/2018	4	336	84
PLANNED	8/18/2018	6	342	57
PLANNED	8/18/2018	2	350	175
PLANNED	8/18/2018	8	2,056	257
PLANNED	8/18/2018	2	50	25
PLANNED	8/18/2018	13	1,729	133
PLANNED	8/18/2018	4	256	64
PLANNED	8/18/2018	19	1,976	104
PLANNED	8/18/2018	5	885	177
PLANNED	8/18/2018	1	90	90
PLANNED	8/19/2018	1	196	196
PLANNED	8/19/2018	2	482	241
PLANNED	8/19/2018	1	87	87
PLANNED	8/19/2018	12	1,248	104
PLANNED	8/19/2018	1	10	10
PLANNED	8/19/2018	1	144	144
PLANNED	8/19/2018	1	395	395
PLANNED	8/19/2018	1	758	758
PLANNED	8/19/2018	1	758	758
PLANNED	8/19/2018	3	813	271
PLANNED	8/19/2018	16	1,296	81
PLANNED	8/19/2018	4	268	67
PLANNED	8/19/2018	4	240	60
PLANNED	8/19/2018	1	46	46
PLANNED	8/19/2018	1	61	61
CUSTOMER REQUEST	8/19/2018	3	57	19
PLANNED	8/19/2018	4	116	29
PLANNED	8/19/2018	5	280	56
PLANNED	8/19/2018	20	2,040	102
CUSTOMER REQUEST	8/20/2018	1	353	353
PLANNED	8/20/2018	1	140	140
PLANNED	8/20/2018	3	315	105
CUSTOMER REQUEST	8/20/2018	2	58	29
CUSTOMER REQUEST	8/20/2018	8	488	61
PLANNED	8/20/2018	1	46	46
CUSTOMER REQUEST	8/20/2018	20	2,840	142
PLANNED	8/20/2018	2	72	36
PLANNED	8/20/2018	8	392	49
CUSTOMER REQUEST	8/20/2018	2	144	72
PLANNED	8/20/2018	2	68	34
PLANNED	8/20/2018	4	880	220

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	8/20/2018	8	152	19
PLANNED	8/20/2018	7	210	30
CUSTOMER REQUEST	8/20/2018	11	66	6
CUSTOMER REQUEST	8/20/2018	1	360	360
PLANNED	8/20/2018	10	2,480	248
CUSTOMER REQUEST	8/20/2018	43	688	16
CUSTOMER REQUEST	8/20/2018	5	260	52
PLANNED	8/20/2018	9	3,231	359
PLANNED	8/20/2018	6	738	123
PLANNED	8/20/2018	8	1,480	185
PLANNED	8/20/2018	3	243	81
PLANNED	8/20/2018	17	1,241	73
PLANNED	8/20/2018	74	2,590	35
CUSTOMER REQUEST	8/20/2018	3	306	102
PLANNED	8/20/2018	8	736	92
PLANNED	8/20/2018	4	776	194
PLANNED	8/20/2018	3	303	101
PLANNED	8/20/2018	38	608	16
PLANNED	8/20/2018	8	752	94
PLANNED	8/20/2018	2	44	22
PLANNED	8/20/2018	2	208	104
CUSTOMER REQUEST	8/20/2018	10	150	15
PLANNED	8/20/2018	1	52	52
PLANNED	8/20/2018	1	125	125
PLANNED	8/20/2018	14	1,960	140
PLANNED	8/20/2018	2	126	63
CUSTOMER REQUEST	8/20/2018	8	232	29
PLANNED	8/20/2018	37	1,702	46
PLANNED	8/20/2018	2	290	145
PLANNED	8/20/2018	1	60	60
CUSTOMER REQUEST	8/20/2018	8	400	50
PLANNED	8/20/2018	2	160	80
PLANNED	8/20/2018	5	410	82
PLANNED	8/20/2018	2	88	44
CUSTOMER REQUEST	8/20/2018	3	642	214
CUSTOMER REQUEST	8/20/2018	3	669	223
PLANNED	8/20/2018	3	294	98
PLANNED	8/20/2018	4	688	172
PLANNED	8/20/2018	5	470	94
PLANNED	8/20/2018	3	273	91
PLANNED	8/20/2018	1	117	117
PLANNED	8/20/2018	16	2,832	177
PLANNED	8/20/2018	1	36	36
PLANNED	8/20/2018	8	80	10
CUSTOMER REQUEST	8/20/2018	2	176	88
PLANNED	8/20/2018	6	306	51
PLANNED	8/20/2018	8	2,312	289
PLANNED	8/20/2018	8	2,080	260
PLANNED	8/20/2018	3	48	16
PLANNED	8/20/2018	5	165	33
PLANNED	8/20/2018	12	1,836	153

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/20/2018	3	126	42
PLANNED	8/20/2018	3	189	63
PLANNED	8/20/2018	20	1,960	98
PLANNED	8/20/2018	2	296	148
PLANNED	8/20/2018	9	252	28
CUSTOMER REQUEST	8/20/2018	1	209	209
CUSTOMER REQUEST	8/20/2018	8	256	32
PLANNED	8/20/2018	8	368	46
CUSTOMER REQUEST	8/20/2018	1	269	269
CUSTOMER REQUEST	8/20/2018	6	126	21
PLANNED	8/20/2018	1	270	270
PLANNED	8/20/2018	1	269	269
PLANNED	8/20/2018	9	2,115	235
PLANNED	8/20/2018	1	214	214
PLANNED	8/21/2018	5	120	24
PLANNED	8/21/2018	1	57	57
PLANNED	8/21/2018	3	174	58
PLANNED	8/21/2018	2	192	96
PLANNED	8/21/2018	1	120	120
PLANNED	8/21/2018	3	684	228
PLANNED	8/21/2018	2	214	107
PLANNED	8/21/2018	3	273	91
PLANNED	8/21/2018	13	351	27
PLANNED	8/21/2018	13	2,106	162
PLANNED	8/21/2018	3	441	147
PLANNED	8/21/2018	14	812	58
PLANNED	8/21/2018	15	1,440	96
PLANNED	8/21/2018	3	249	83
PLANNED	8/21/2018	1	149	149
PLANNED	8/21/2018	5	550	110
CUSTOMER REQUEST	8/21/2018	1	36	36
PLANNED	8/21/2018	3	333	111
PLANNED	8/21/2018	5	555	111
PLANNED	8/21/2018	2	166	83
CUSTOMER REQUEST	8/21/2018	4	256	64
CUSTOMER REQUEST	8/21/2018	12	84	7
PLANNED	8/21/2018	54	1,242	23
PLANNED	8/21/2018	9	666	74
PLANNED	8/21/2018	3	168	56
PLANNED	8/21/2018	9	72	8
PLANNED	8/21/2018	10	540	54
CUSTOMER REQUEST	8/21/2018	68	45,220	665
PLANNED	8/21/2018	4	560	140
PLANNED	8/21/2018	5	640	128
PLANNED	8/21/2018	6	216	36
PLANNED	8/21/2018	1	61	61
PLANNED	8/21/2018	1	68	68
PLANNED	8/21/2018	17	120	104
PLANNED	8/21/2018	7	42	6
PLANNED	8/21/2018	4	804	201
CUSTOMER REQUEST	8/21/2018	4	20	5

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	8/21/2018	8	16	2
PLANNED	8/21/2018	1	109	109
PLANNED	8/21/2018	1	258	258
PLANNED	8/21/2018	8	240	30
PLANNED	8/21/2018	4	260	65
PLANNED	8/21/2018	10	380	38
PLANNED	8/21/2018	4	192	48
PLANNED	8/21/2018	10	1,470	147
PLANNED	8/21/2018	10	1,090	109
PLANNED	8/21/2018	10	410	41
PLANNED	8/21/2018	5	845	169
PLANNED	8/21/2018	1	49	49
PLANNED	8/21/2018	2	48	24
PLANNED	8/21/2018	1	50	50
PLANNED	8/21/2018	3	435	145
PLANNED	8/21/2018	2	284	142
PLANNED	8/21/2018	33	4,950	150
PLANNED	8/21/2018	28	4,676	167
PLANNED	8/21/2018	6	678	113
CUSTOMER REQUEST	8/21/2018	21	630	30
PLANNED	8/21/2018	1	77	77
PLANNED	8/21/2018	11	2,882	262
PLANNED	8/21/2018	2	86	43
PLANNED	8/21/2018	9	558	62
CUSTOMER REQUEST	8/21/2018	2	64	32
PLANNED	8/21/2018	3	369	123
PLANNED	8/21/2018	2	298	149
PLANNED	8/21/2018	8	152	19
PLANNED	8/21/2018	47	3,948	84
PLANNED	8/21/2018	2	244	122
PLANNED	8/21/2018	1	79	79
PLANNED	8/21/2018	1	20	20
PLANNED	8/21/2018	1	5	5
PLANNED	8/21/2018	1	82	82
PLANNED	8/21/2018	7	833	119
PLANNED	8/21/2018	6	264	44
PLANNED	8/21/2018	10	2,020	202
PLANNED	8/21/2018	1	81	81
PLANNED	8/21/2018	3	669	223
PLANNED	8/21/2018	1	89	89
PLANNED	8/21/2018	4	124	31
PLANNED	8/21/2018	16	496	31
PLANNED	8/21/2018	2	28	14
PLANNED	8/21/2018	8	104	13
PLANNED	8/21/2018	10	370	37
PLANNED	8/21/2018	1	110	110
PLANNED	8/21/2018	6	264	44
PLANNED	8/21/2018	3	432	144
PLANNED	8/21/2018	5	825	165
PLANNED	8/21/2018	6	534	89
PLANNED	8/21/2018	2	228	114

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	8/21/2018	4	24	6
CUSTOMER REQUEST	8/21/2018	1	143	143
PLANNED	8/21/2018	8	184	23
PLANNED	8/21/2018	1	164	164
PLANNED	8/21/2018	2	82	41
PLANNED	8/21/2018	2	144	72
PLANNED	8/21/2018	2	196	98
PLANNED	8/21/2018	7	721	103
PLANNED	8/21/2018	1	109	109
PLANNED	8/21/2018	35	350	10
PLANNED	8/21/2018	4	284	71
PLANNED	8/21/2018	8	280	35
PLANNED	8/21/2018	2	254	127
PLANNED	8/21/2018	9	927	103
PLANNED	8/21/2018	2	610	305
PLANNED	8/21/2018	9	558	62
PLANNED	8/21/2018	2	324	162
PLANNED	8/22/2018	20	6,900	345
PLANNED	8/22/2018	13	2,808	216
PLANNED	8/22/2018	14	2,870	205
PLANNED	8/22/2018	1	202	202
PLANNED	8/22/2018	9	1,044	116
PLANNED	8/22/2018	1	126	126
PLANNED	8/22/2018	1	13	13
PLANNED	8/22/2018	2	198	99
PLANNED	8/22/2018	8	920	115
PLANNED	8/22/2018	9	1,035	115
PLANNED	8/22/2018	2	100	50
PLANNED	8/22/2018	7	483	69
PLANNED	8/22/2018	7	665	95
PLANNED	8/22/2018	7	700	100
PLANNED	8/22/2018	8	736	92
PLANNED	8/22/2018	1	47	47
PLANNED	8/22/2018	1	80	80
PLANNED	8/22/2018	11	2,673	243
PLANNED	8/22/2018	3	480	160
PLANNED	8/22/2018	3	213	71
PLANNED	8/22/2018	5	415	83
PLANNED	8/22/2018	4	152	38
PLANNED	8/22/2018	1	11	11
PLANNED	8/22/2018	23	46	2
PLANNED	8/22/2018	5	985	197
PLANNED	8/22/2018	10	970	97
PLANNED	8/22/2018	2	168	84
PLANNED	8/22/2018	8	1,128	141
PLANNED	8/22/2018	23	6,049	263
PLANNED	8/22/2018	3	138	46
PLANNED	8/22/2018	6	732	122
PLANNED	8/22/2018	3	258	86
PLANNED	8/22/2018	1	23	23
PLANNED	8/22/2018	1	61	61

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	8/22/2018	1	287	287
CUSTOMER REQUEST	8/22/2018	11	2,200	200
PLANNED	8/22/2018	8	328	41
PLANNED	8/22/2018	8	136	17
PLANNED	8/22/2018	7	1,561	223
PLANNED	8/22/2018	19	5,035	265
PLANNED	8/22/2018	2	126	63
PLANNED	8/22/2018	10	2,620	262
PLANNED	8/22/2018	5	850	170
PLANNED	8/22/2018	7	385	55
PLANNED	8/22/2018	1	66	66
PLANNED	8/22/2018	23	575	25
CUSTOMER REQUEST	8/22/2018	3	324	108
PLANNED	8/22/2018	3	177	59
PLANNED	8/22/2018	2	236	118
PLANNED	8/22/2018	8	1,984	248
PLANNED	8/22/2018	11	2,013	183
PLANNED	8/22/2018	5	115	23
PLANNED	8/22/2018	9	738	82
PLANNED	8/22/2018	7	1,582	226
CUSTOMER REQUEST	8/22/2018	7	1,449	207
PLANNED	8/22/2018	2	178	89
PLANNED	8/22/2018	1	60	60
PLANNED	8/22/2018	2	184	92
PLANNED	8/22/2018	1	153	153
PLANNED	8/22/2018	2	166	83
PLANNED	8/22/2018	6	522	87
PLANNED	8/22/2018	11	187	17
PLANNED	8/22/2018	1	93	93
PLANNED	8/22/2018	6	798	133
PLANNED	8/22/2018	10	1,120	112
PLANNED	8/22/2018	14	1,316	94
PLANNED	8/22/2018	2	472	236
PLANNED	8/22/2018	8	664	83
PLANNED	8/22/2018	1	5	5
CUSTOMER REQUEST	8/22/2018	1	16	16
PLANNED	8/22/2018	3	1,221	407
PLANNED	8/22/2018	6	690	115
PLANNED	8/22/2018	8	544	68
PLANNED	8/22/2018	3	282	94
CUSTOMER REQUEST	8/22/2018	4	120	30
PLANNED	8/22/2018	1	80	80
PLANNED	8/22/2018	1	34	34
PLANNED	8/22/2018	37	296	8
PLANNED	8/22/2018	1	59	59
CUSTOMER REQUEST	8/22/2018	12	948	79
PLANNED	8/22/2018	1	186	186
CUSTOMER REQUEST	8/22/2018	2	886	443
PLANNED	8/22/2018	11	1,199	109
PLANNED	8/22/2018	1	47	47
PLANNED	8/22/2018	8	400	50

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/22/2018	3	381	127
PLANNED	8/22/2018	2	250	125
PLANNED	8/22/2018	2	474	237
PLANNED	8/22/2018	5	335	67
PLANNED	8/22/2018	2	146	73
PLANNED	8/22/2018	2	214	107
PLANNED	8/22/2018	6	168	28
CUSTOMER REQUEST	8/22/2018	30	41,670	1,389
PLANNED	8/22/2018	1	118	118
PLANNED	8/22/2018	4	260	65
PLANNED	8/22/2018	3	213	71
PLANNED	8/22/2018	5	515	103
PLANNED	8/22/2018	1	62	62
PLANNED	8/22/2018	14	182	13
CUSTOMER REQUEST	8/22/2018	1	143	143
PLANNED	8/22/2018	2	108	54
PLANNED	8/22/2018	6	174	29
PLANNED	8/22/2018	2	180	90
PLANNED	8/22/2018	21	2,478	118
PLANNED	8/22/2018	4	92	23
PLANNED	8/22/2018	86	2,064	24
PLANNED	8/22/2018	1	100	100
PLANNED	8/22/2018	6	1,068	178
PLANNED	8/22/2018	1	61	61
PLANNED	8/23/2018	14	2,506	179
PLANNED	8/23/2018	20	4,440	222
PLANNED	8/23/2018	1	117	117
PLANNED	8/23/2018	1	83	83
PLANNED	8/23/2018	8	488	61
PLANNED	8/23/2018	11	1,089	99
PLANNED	8/23/2018	8	544	68
PLANNED	8/23/2018	3	168	56
PLANNED	8/23/2018	3	621	207
PLANNED	8/23/2018	5	400	80
PLANNED	8/23/2018	5	565	113
PLANNED	8/23/2018	1	31	31
PLANNED	8/23/2018	1	118	118
PLANNED	8/23/2018	1	78	78
PLANNED	8/23/2018	1	40	40
PLANNED	8/23/2018	6	216	36
PLANNED	8/23/2018	1	121	121
PLANNED	8/23/2018	6	2,172	362
PLANNED	8/23/2018	1	49	49
CUSTOMER REQUEST	8/23/2018	5	155	31
PLANNED	8/23/2018	6	690	115
PLANNED	8/23/2018	6	618	103
PLANNED	8/23/2018	6	258	43
PLANNED	8/23/2018	1	34	34
PLANNED	8/23/2018	4	1,036	259
CUSTOMER REQUEST	8/23/2018	6	72	12
CUSTOMER REQUEST	8/23/2018	48	8,448	176

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	8/23/2018	14	3,080	220
PLANNED	8/23/2018	4	396	99
CUSTOMER REQUEST	8/23/2018	30	6,540	218
PLANNED	8/23/2018	2	224	112
CUSTOMER REQUEST	8/23/2018	7	1,015	145
PLANNED	8/23/2018	2	38	19
PLANNED	8/23/2018	1	66	66
PLANNED	8/23/2018	2	136	68
PLANNED	8/23/2018	8	344	43
PLANNED	8/23/2018	12	2,232	186
PLANNED	8/23/2018	4	240	60
PLANNED	8/23/2018	3	336	112
PLANNED	8/23/2018	4	588	147
PLANNED	8/23/2018	18	810	45
PLANNED	8/23/2018	23	3,933	171
PLANNED	8/23/2018	2	150	75
PLANNED	8/23/2018	3	291	97
PLANNED	8/23/2018	2	178	89
CUSTOMER REQUEST	8/23/2018	5	150	30
PLANNED	8/23/2018	10	2,570	257
CUSTOMER REQUEST	8/23/2018	13	2,535	195
PLANNED	8/23/2018	15	4,245	283
PLANNED	8/23/2018	2	164	82
CUSTOMER REQUEST	8/23/2018	9	531	59
PLANNED	8/23/2018	1	63	63
PLANNED	8/23/2018	4	604	151
PLANNED	8/23/2018	2	68	34
PLANNED	8/23/2018	7	140	20
PLANNED	8/23/2018	8	376	47
CUSTOMER REQUEST	8/23/2018	3	108	36
PLANNED	8/23/2018	4	224	56
PLANNED	8/23/2018	19	4,788	252
PLANNED	8/23/2018	5	30	6
PLANNED	8/23/2018	1	96	96
PLANNED	8/23/2018	2	46	23
PLANNED	8/23/2018	13	923	71
PLANNED	8/23/2018	2	144	72
PLANNED	8/23/2018	8	248	31
CUSTOMER REQUEST	8/23/2018	6	78	13
PLANNED	8/23/2018	8	1,024	128
PLANNED	8/23/2018	8	592	74
PLANNED	8/23/2018	6	744	124
PLANNED	8/23/2018	2	82	41
PLANNED	8/23/2018	2	118	59
PLANNED	8/23/2018	4	212	53
PLANNED	8/23/2018	3	309	103
PLANNED	8/23/2018	9	333	37
CUSTOMER REQUEST	8/23/2018	2	50	25
PLANNED	8/23/2018	16	1,600	100
PLANNED	8/23/2018	8	1,224	153
PLANNED	8/23/2018	1	6	6

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/23/2018	5	80	16
PLANNED	8/23/2018	1	42	42
CUSTOMER REQUEST	8/23/2018	14	196	14
PLANNED	8/23/2018	8	680	85
CUSTOMER REQUEST	8/23/2018	1	60	60
PLANNED	8/23/2018	4	248	62
PLANNED	8/23/2018	6	624	104
CUSTOMER REQUEST	8/23/2018	1	13	13
PLANNED	8/23/2018	1	53	53
PLANNED	8/23/2018	8	424	53
CUSTOMER REQUEST	8/23/2018	7	1,113	159
PLANNED	8/23/2018	1	62	62
PLANNED	8/23/2018	16	720	45
PLANNED	8/23/2018	2	78	39
PLANNED	8/23/2018	1	46	46
CUSTOMER REQUEST	8/23/2018	1	139	139
PLANNED	8/23/2018	1	39	39
CUSTOMER REQUEST	8/23/2018	1	194	194
PLANNED	8/23/2018	10	1,940	194
PLANNED	8/23/2018	8	320	40
PLANNED	8/23/2018	1	167	167
PLANNED	8/23/2018	1	58	58
PLANNED	8/23/2018	9	432	48
PLANNED	8/23/2018	1	289	289
PLANNED	8/23/2018	1	85	85
PLANNED	8/23/2018	3	1,137	379
PLANNED	8/23/2018	1	205	205
PLANNED	8/23/2018	1	316	316
PLANNED	8/24/2018	1	277	277
CUSTOMER REQUEST	8/24/2018	2	202	101
PLANNED	8/24/2018	4	404	101
PLANNED	8/24/2018	2	211	111
PLANNED	8/24/2018	24	2,064	86
PLANNED	8/24/2018	19	2,679	141
PLANNED	8/24/2018	2	58	29
PLANNED	8/24/2018	8	1,696	212
CUSTOMER REQUEST	8/24/2018	1	225	225
PLANNED	8/24/2018	29	4,176	144
PLANNED	8/24/2018	21	147	7
PLANNED	8/24/2018	25	4,000	160
PLANNED	8/24/2018	5	515	103
PLANNED	8/24/2018	1	143	143
PLANNED	8/24/2018	2	42	21
CUSTOMER REQUEST	8/24/2018	7	189	27
CUSTOMER REQUEST	8/24/2018	9	1,476	164
PLANNED	8/24/2018	8	1,456	182
PLANNED	8/24/2018	36	36	1
PLANNED	8/24/2018	2	136	68
CUSTOMER REQUEST	8/24/2018	2	26	13
PLANNED	8/24/2018	1	163	163
CUSTOMER REQUEST	8/24/2018	1	105	105

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/24/2018	17	2,227	131
PLANNED	8/24/2018	13	624	48
PLANNED	8/24/2018	25	50	2
PLANNED	8/24/2018	22	3,696	168
PLANNED	8/24/2018	14	350	25
PLANNED	8/24/2018	12	1,200	100
PLANNED	8/24/2018	8	1,336	167
PLANNED	8/24/2018	10	1,670	167
CUSTOMER REQUEST	8/24/2018	1	73	73
PLANNED	8/24/2018	31	155	5
CUSTOMER REQUEST	8/24/2018	1	104	104
PLANNED	8/24/2018	2	52	26
PLANNED	8/24/2018	30	1,320	44
CUSTOMER REQUEST	8/24/2018	1	314	314
PLANNED	8/24/2018	1	79	79
PLANNED	8/24/2018	24	2,832	118
PLANNED	8/24/2018	24	24	1
CUSTOMER REQUEST	8/24/2018	6	162	27
PLANNED	8/24/2018	4	260	65
PLANNED	8/24/2018	2	100	50
PLANNED	8/24/2018	68	7,616	112
PLANNED	8/24/2018	16	3,776	236
PLANNED	8/24/2018	11	363	33
PLANNED	8/24/2018	2	280	140
PLANNED	8/24/2018	10	680	68
PLANNED	8/24/2018	3	198	66
PLANNED	8/24/2018	12	3,576	298
CUSTOMER REQUEST	8/24/2018	2	106	53
PLANNED	8/24/2018	5	685	137
PLANNED	8/24/2018	1	92	92
PLANNED	8/24/2018	11	2,981	271
PLANNED	8/24/2018	8	1,872	234
PLANNED	8/24/2018	7	378	54
PLANNED	8/24/2018	1	146	146
PLANNED	8/24/2018	32	3,200	100
PLANNED	8/24/2018	6	534	89
PLANNED	8/24/2018	6	234	39
PLANNED	8/24/2018	8	432	54
PLANNED	8/24/2018	4	804	201
CUSTOMER REQUEST	8/24/2018	1	167	167
PLANNED	8/24/2018	2	114	57
PLANNED	8/24/2018	3	105	35
PLANNED	8/24/2018	7	462	66
CUSTOMER REQUEST	8/24/2018	6	720	120
PLANNED	8/24/2018	6	270	45
PLANNED	8/24/2018	3	201	67
PLANNED	8/24/2018	1	10	10
PLANNED	8/24/2018	1	57	57
PLANNED	8/24/2018	8	168	21
PLANNED	8/24/2018	3	246	82
PLANNED	8/24/2018	1	231	231

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/25/2018	1	73	73
PLANNED	8/25/2018	5	485	97
PLANNED	8/25/2018	13	1,664	128
PLANNED	8/25/2018	1	119	119
CUSTOMER REQUEST	8/25/2018	3	759	253
PLANNED	8/25/2018	7	462	66
PLANNED	8/25/2018	6	1,296	216
PLANNED	8/25/2018	2	138	69
PLANNED	8/25/2018	8	1,672	209
PLANNED	8/25/2018	2	324	162
PLANNED	8/25/2018	2	192	96
PLANNED	8/25/2018	4	316	79
PLANNED	8/25/2018	3	186	62
CUSTOMER REQUEST	8/25/2018	7	259	37
PLANNED	8/25/2018	1	236	236
PLANNED	8/25/2018	1	345	345
PLANNED	8/26/2018	4	344	86
PLANNED	8/26/2018	1	225	225
PLANNED	8/26/2018	1	427	427
PLANNED	8/26/2018	1	421	421
PLANNED	8/26/2018	1	425	425
PLANNED	8/26/2018	1	425	425
PLANNED	8/26/2018	1	322	322
PLANNED	8/26/2018	11	1,408	128
PLANNED	8/26/2018	2	530	265
PLANNED	8/26/2018	15	1,245	83
PLANNED	8/26/2018	1	46	46
PLANNED	8/26/2018	1	174	174
PLANNED	8/26/2018	7	434	62
PLANNED	8/26/2018	1	208	208
PLANNED	8/26/2018	4	400	100
PLANNED	8/26/2018	11	1,078	98
PLANNED	8/26/2018	43	903	21
PLANNED	8/26/2018	8	952	119
PLANNED	8/26/2018	12	1,500	125
PLANNED	8/26/2018	1	40	40
PLANNED	8/26/2018	1	16	16
PLANNED	8/26/2018	2	274	137
PLANNED	8/26/2018	4	980	245
PLANNED	8/26/2018	6	108	18
CUSTOMER REQUEST	8/26/2018	1	472	472
PLANNED	8/27/2018	3	171	57
CUSTOMER REQUEST	8/27/2018	5	660	132
PLANNED	8/27/2018	6	960	160
PLANNED	8/27/2018	3	267	89
PLANNED	8/27/2018	1	116	116
PLANNED	8/27/2018	2	358	179
PLANNED	8/27/2018	2	62	31
PLANNED	8/27/2018	11	1,221	111
PLANNED	8/27/2018	2	90	45
PLANNED	8/27/2018	3	222	74

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/27/2018	1	293	293
PLANNED	8/27/2018	18	1,116	62
PLANNED	8/27/2018	5	355	71
PLANNED	8/27/2018	1	51	51
CUSTOMER REQUEST	8/27/2018	13	3,094	238
PLANNED	8/27/2018	3	834	278
PLANNED	8/27/2018	3	231	77
PLANNED	8/27/2018	3	33	11
PLANNED	8/27/2018	69	13,800	200
PLANNED	8/27/2018	44	15,268	347
PLANNED	8/27/2018	2	272	136
PLANNED	8/27/2018	35	1,330	38
PLANNED	8/27/2018	1	92	92
PLANNED	8/27/2018	1	116	116
PLANNED	8/27/2018	14	2,576	184
PLANNED	8/27/2018	12	2,532	211
PLANNED	8/27/2018	6	648	108
PLANNED	8/27/2018	5	290	58
PLANNED	8/27/2018	5	905	181
PLANNED	8/27/2018	6	1,110	185
CUSTOMER REQUEST	8/27/2018	8	72	9
PLANNED	8/27/2018	2	52	26
PLANNED	8/27/2018	1	21	21
CUSTOMER REQUEST	8/27/2018	7	882	126
PLANNED	8/27/2018	2	128	64
PLANNED	8/27/2018	2	112	56
PLANNED	8/27/2018	1	55	55
PLANNED	8/27/2018	2	80	40
PLANNED	8/27/2018	1	74	74
CUSTOMER REQUEST	8/27/2018	3	666	222
PLANNED	8/27/2018	2	344	172
PLANNED	8/27/2018	8	3,400	425
PLANNED	8/27/2018	2	148	74
PLANNED	8/27/2018	1	217	217
PLANNED	8/27/2018	3	45	15
PLANNED	8/27/2018	8	256	32
PLANNED	8/27/2018	13	819	63
PLANNED	8/27/2018	11	572	52
PLANNED	8/27/2018	1	111	111
PLANNED	8/27/2018	11	198	18
CUSTOMER REQUEST	8/27/2018	3	15	5
PLANNED	8/27/2018	9	306	34
PLANNED	8/27/2018	18	1,062	59
PLANNED	8/27/2018	2	768	384
PLANNED	8/27/2018	13	1,807	139
PLANNED	8/27/2018	10	680	68
PLANNED	8/27/2018	6	726	121
PLANNED	8/27/2018	2	68	34
PLANNED	8/27/2018	20	1,700	85
PLANNED	8/27/2018	7	238	34
PLANNED	8/27/2018	1	438	438

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/27/2018	7	322	46
CUSTOMER REQUEST	8/27/2018	1	170	170
PLANNED	8/27/2018	8	504	63
PLANNED	8/27/2018	2	86	43
PLANNED	8/27/2018	1	42	42
PLANNED	8/27/2018	4	180	45
PLANNED	8/27/2018	5	190	38
PLANNED	8/27/2018	2	70	35
PLANNED	8/27/2018	7	462	66
PLANNED	8/27/2018	14	896	64
CUSTOMER REQUEST	8/27/2018	1	36	36
PLANNED	8/27/2018	4	744	186
CUSTOMER REQUEST	8/27/2018	1	41	41
CUSTOMER REQUEST	8/27/2018	1	21	21
PLANNED	8/27/2018	2	146	73
PLANNED	8/27/2018	87	174	2
PLANNED	8/27/2018	1	488	488
PLANNED	8/27/2018	2	148	74
PLANNED	8/27/2018	1	698	698
PLANNED	8/27/2018	4	1,480	370
PLANNED	8/28/2018	30	3,900	130
PLANNED	8/28/2018	6	546	91
PLANNED	8/28/2018	1	32	32
PLANNED	8/28/2018	9	1,350	150
PLANNED	8/28/2018	2	100	50
PLANNED	8/28/2018	6	444	74
PLANNED	8/28/2018	1	45	45
PLANNED	8/28/2018	3	18	6
PLANNED	8/28/2018	3	99	33
CUSTOMER REQUEST	8/28/2018	7	56	8
PLANNED	8/28/2018	1	129	129
PLANNED	8/28/2018	2	86	43
PLANNED	8/28/2018	1	9	9
PLANNED	8/28/2018	2	112	56
PLANNED	8/28/2018	9	936	104
PLANNED	8/28/2018	32	6,752	211
PLANNED	8/28/2018	9	342	38
PLANNED	8/28/2018	19	3,401	179
PLANNED	8/28/2018	8	144	18
PLANNED	8/28/2018	15	2,340	156
PLANNED	8/28/2018	2	58	29
PLANNED	8/28/2018	8	560	70
PLANNED	8/28/2018	4	480	120
PLANNED	8/28/2018	13	2,223	171
PLANNED	8/28/2018	11	2,178	198
PLANNED	8/28/2018	9	810	90
PLANNED	8/28/2018	3	552	184
PLANNED	8/28/2018	15	375	25
PLANNED	8/28/2018	4	2,600	650
PLANNED	8/28/2018	3	432	144
PLANNED	8/28/2018	5	545	109

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/28/2018	6	78	13
PLANNED	8/28/2018	2	184	92
PLANNED	8/28/2018	1	338	338
PLANNED	8/28/2018	4	256	64
PLANNED	8/28/2018	7	889	127
PLANNED	8/28/2018	4	300	75
CUSTOMER REQUEST	8/28/2018	5	230	46
PLANNED	8/28/2018	2	120	60
PLANNED	8/28/2018	6	30	5
PLANNED	8/28/2018	6	1,272	212
PLANNED	8/28/2018	10	2,230	223
PLANNED	8/28/2018	4	752	188
PLANNED	8/28/2018	1	109	109
PLANNED	8/28/2018	4	432	108
PLANNED	8/28/2018	3	270	90
PLANNED	8/28/2018	2	70	35
PLANNED	8/28/2018	25	10,950	438
PLANNED	8/28/2018	1	217	217
PLANNED	8/28/2018	1	9	9
PLANNED	8/28/2018	1	58	58
PLANNED	8/28/2018	1	6	6
PLANNED	8/28/2018	8	520	65
PLANNED	8/28/2018	4	200	50
PLANNED	8/28/2018	2	228	114
PLANNED	8/28/2018	4	212	53
PLANNED	8/28/2018	3	795	265
PLANNED	8/28/2018	1	4	4
PLANNED	8/28/2018	4	764	191
PLANNED	8/28/2018	2	30	15
PLANNED	8/28/2018	18	2,286	127
PLANNED	8/28/2018	20	1,380	69
PLANNED	8/28/2018	24	3,456	144
PLANNED	8/28/2018	8	136	17
PLANNED	8/28/2018	3	183	61
PLANNED	8/28/2018	10	120	12
PLANNED	8/28/2018	6	222	37
PLANNED	8/28/2018	52	6,032	116
PLANNED	8/28/2018	13	3,744	288
PLANNED	8/28/2018	3	75	25
PLANNED	8/28/2018	2	52	26
PLANNED	8/28/2018	3	96	32
PLANNED	8/28/2018	8	200	25
PLANNED	8/28/2018	4	780	195
PLANNED	8/28/2018	6	390	65
PLANNED	8/28/2018	3	171	57
PLANNED	8/28/2018	7	98	14
PLANNED	8/28/2018	3	102	34
PLANNED	8/28/2018	5	1,345	269
PLANNED	8/28/2018	2	224	112
PLANNED	8/28/2018	9	144	16
PLANNED	8/28/2018	4	524	131

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/28/2018	4	264	66
PLANNED	8/28/2018	1	7	7
PLANNED	8/28/2018	8	832	104
CUSTOMER REQUEST	8/28/2018	12	264	22
PLANNED	8/28/2018	1	166	166
PLANNED	8/28/2018	2	28	14
PLANNED	8/28/2018	2	306	153
PLANNED	8/28/2018	27	1,188	44
PLANNED	8/28/2018	1	139	139
PLANNED	8/28/2018	2	80	40
PLANNED	8/28/2018	1	153	153
PLANNED	8/28/2018	2	68	34
PLANNED	8/28/2018	1	73	73
PLANNED	8/28/2018	1	9	9
PLANNED	8/28/2018	2	82	41
PLANNED	8/28/2018	2	266	133
PLANNED	8/28/2018	10	160	16
PLANNED	8/28/2018	4	300	75
PLANNED	8/28/2018	3	432	144
PLANNED	8/28/2018	6	612	102
PLANNED	8/28/2018	18	378	21
PLANNED	8/28/2018	1	77	77
PLANNED	8/28/2018	1	66	66
PLANNED	8/28/2018	4	100	25
PLANNED	8/28/2018	9	234	26
PLANNED	8/28/2018	1	13	13
PLANNED	8/28/2018	3	633	211
PLANNED	8/28/2018	2	472	236
PLANNED	8/28/2018	11	2,244	204
PLANNED	8/28/2018	1	470	470
PLANNED	8/28/2018	1	241	241
PLANNED	8/28/2018	13	2,210	170
CUSTOMER REQUEST	8/29/2018	8	176	22
PLANNED	8/29/2018	1	636	636
CUSTOMER REQUEST	8/29/2018	3	1,059	353
PLANNED	8/29/2018	4	28	7
PLANNED	8/29/2018	2	96	48
PLANNED	8/29/2018	1	11	11
PLANNED	8/29/2018	8	1,208	151
CUSTOMER REQUEST	8/29/2018	13	5,967	459
PLANNED	8/29/2018	6	1,584	264
CUSTOMER REQUEST	8/29/2018	1	69	69
PLANNED	8/29/2018	1	428	428
PLANNED	8/29/2018	7	287	41
CUSTOMER REQUEST	8/29/2018	1	280	280
PLANNED	8/29/2018	25	4,575	183
PLANNED	8/29/2018	4	1,108	277
PLANNED	8/29/2018	1	268	268
PLANNED	8/29/2018	18	216	12
PLANNED	8/29/2018	58	1,160	20
PLANNED	8/29/2018	5	950	190

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/29/2018	142	13,632	96
PLANNED	8/29/2018	16	7,776	486
PLANNED	8/29/2018	2	100	50
PLANNED	8/29/2018	1	165	165
PLANNED	8/29/2018	4	412	103
PLANNED	8/29/2018	9	747	83
PLANNED	8/29/2018	62	4,092	66
PLANNED	8/29/2018	2	144	72
PLANNED	8/29/2018	6	450	75
CUSTOMER REQUEST	8/29/2018	8	32	4
PLANNED	8/29/2018	1	23	23
PLANNED	8/29/2018	3	1,113	371
PLANNED	8/29/2018	7	147	21
CUSTOMER REQUEST	8/29/2018	1	751	751
PLANNED	8/29/2018	2	102	51
PLANNED	8/29/2018	41	3,731	91
PLANNED	8/29/2018	2	1,324	662
PLANNED	8/29/2018	2	146	73
PLANNED	8/29/2018	2	126	63
PLANNED	8/29/2018	14	1,624	116
PLANNED	8/29/2018	2	178	89
PLANNED	8/29/2018	11	1,276	116
PLANNED	8/29/2018	4	204	51
PLANNED	8/29/2018	4	324	81
PLANNED	8/29/2018	8	1,192	149
PLANNED	8/29/2018	10	920	92
PLANNED	8/29/2018	2	320	160
PLANNED	8/29/2018	6	474	79
PLANNED	8/29/2018	2	100	50
PLANNED	8/29/2018	1	29	29
PLANNED	8/29/2018	8	536	67
PLANNED	8/29/2018	1	196	196
PLANNED	8/29/2018	36	2,052	57
PLANNED	8/29/2018	8	32	4
PLANNED	8/29/2018	6	564	94
PLANNED	8/29/2018	4	92	23
PLANNED	8/29/2018	11	407	37
PLANNED	8/29/2018	2	366	183
PLANNED	8/29/2018	7	1,512	216
PLANNED	8/29/2018	15	750	50
PLANNED	8/29/2018	8	1,048	131
PLANNED	8/29/2018	11	1,771	161
PLANNED	8/29/2018	2	84	42
PLANNED	8/29/2018	9	630	70
PLANNED	8/29/2018	1	51	51
PLANNED	8/29/2018	7	798	114
CUSTOMER REQUEST	8/29/2018	9	1,188	132
PLANNED	8/29/2018	4	20	5
CUSTOMER REQUEST	8/29/2018	1	239	239
PLANNED	8/29/2018	2	58	29
PLANNED	8/29/2018	31	527	17

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/29/2018	6	1,026	171
PLANNED	8/29/2018	14	1,008	72
PLANNED	8/29/2018	4	208	52
PLANNED	8/29/2018	2	450	225
PLANNED	8/29/2018	10	900	90
CUSTOMER REQUEST	8/29/2018	8	216	27
PLANNED	8/29/2018	4	756	189
PLANNED	8/29/2018	36	2,520	70
PLANNED	8/29/2018	10	320	32
PLANNED	8/29/2018	7	1,575	225
PLANNED	8/29/2018	7	1,568	224
PLANNED	8/29/2018	2	122	61
PLANNED	8/29/2018	11	2,112	192
PLANNED	8/29/2018	6	1,230	205
CUSTOMER REQUEST	8/29/2018	1	100	100
PLANNED	8/29/2018	1	62	62
PLANNED	8/29/2018	9	531	59
PLANNED	8/29/2018	12	984	82
PLANNED	8/29/2018	24	1,848	77
PLANNED	8/29/2018	5	220	44
PLANNED	8/29/2018	31	3,782	122
PLANNED	8/29/2018	11	308	28
PLANNED	8/29/2018	1	18	18
PLANNED	8/29/2018	2	86	43
CUSTOMER REQUEST	8/29/2018	1	106	106
PLANNED	8/29/2018	1	37	37
PLANNED	8/29/2018	9	774	86
PLANNED	8/29/2018	2	128	64
CUSTOMER REQUEST	8/29/2018	9	1,728	192
CUSTOMER REQUEST	8/29/2018	1	180	180
PLANNED	8/29/2018	3	39	13
PLANNED	8/29/2018	3	39	13
CUSTOMER REQUEST	8/29/2018	1	30	30
CUSTOMER REQUEST	8/29/2018	1	111	111
PLANNED	8/29/2018	11	847	77
PLANNED	8/29/2018	4	148	37
PLANNED	8/29/2018	2	284	142
PLANNED	8/29/2018	13	1,742	134
PLANNED	8/29/2018	5	245	49
CUSTOMER REQUEST	8/29/2018	6	210	35
PLANNED	8/29/2018	15	1,440	96
PLANNED	8/29/2018	61	2,074	34
PLANNED	8/29/2018	2	232	116
CUSTOMER REQUEST	8/29/2018	1	172	172
PLANNED	8/29/2018	1	183	183
PLANNED	8/30/2018	23	5,092	284
PLANNED	8/30/2018	2	198	99
PLANNED	8/30/2018	13	1,300	100
PLANNED	8/30/2018	1	373	373
PLANNED	8/30/2018	21	5,019	239
PLANNED	8/30/2018	15	1,500	100

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/30/2018	1	162	162
PLANNED	8/30/2018	15	3,045	203
PLANNED	8/30/2018	8	944	118
PLANNED	8/30/2018	1	31	31
PLANNED	8/30/2018	3	300	100
PLANNED	8/30/2018	2	110	55
CUSTOMER REQUEST	8/30/2018	7	1,337	191
PLANNED	8/30/2018	8	464	58
PLANNED	8/30/2018	3	111	37
PLANNED	8/30/2018	1	73	73
PLANNED	8/30/2018	10	1,250	125
PLANNED	8/30/2018	8	1,056	132
PLANNED	8/30/2018	21	2,646	126
PLANNED	8/30/2018	34	7,990	235
PLANNED	8/30/2018	1	240	240
PLANNED	8/30/2018	12	732	61
PLANNED	8/30/2018	2	98	49
PLANNED	8/30/2018	2	90	45
PLANNED	8/30/2018	9	630	70
PLANNED	8/30/2018	8	560	70
PLANNED	8/30/2018	9	738	82
PLANNED	8/30/2018	8	696	87
PLANNED	8/30/2018	25	5,300	212
PLANNED	8/30/2018	6	216	36
PLANNED	8/30/2018	11	1,133	103
PLANNED	8/30/2018	1	59	59
PLANNED	8/30/2018	6	582	97
PLANNED	8/30/2018	7	511	73
CUSTOMER REQUEST	8/30/2018	5	1,085	217
PLANNED	8/30/2018	10	870	87
CUSTOMER REQUEST	8/30/2018	6	216	36
PLANNED	8/30/2018	34	1,394	41
PLANNED	8/30/2018	3	399	133
PLANNED	8/30/2018	2	98	49
PLANNED	8/30/2018	4	284	71
PLANNED	8/30/2018	4	400	100
PLANNED	8/30/2018	10	1,480	148
PLANNED	8/30/2018	10	110	11
PLANNED	8/30/2018	9	747	83
PLANNED	8/30/2018	2	302	151
CUSTOMER REQUEST	8/30/2018	6	144	24
PLANNED	8/30/2018	2	194	97
PLANNED	8/30/2018	6	192	32
PLANNED	8/30/2018	1	214	214
PLANNED	8/30/2018	6	66	11
PLANNED	8/30/2018	2	76	38
CUSTOMER REQUEST	8/30/2018	8	1,064	133
PLANNED	8/30/2018	4	416	104
PLANNED	8/30/2018	1	45	45
PLANNED	8/30/2018	1	31	31
CUSTOMER REQUEST	8/30/2018	13	2,288	176

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/30/2018	72	19,152	266
PLANNED	8/30/2018	1	15	15
PLANNED	8/30/2018	9	765	85
PLANNED	8/30/2018	1	99	99
CUSTOMER REQUEST	8/30/2018	4	632	158
PLANNED	8/30/2018	7	623	89
PLANNED	8/30/2018	2	70	35
CUSTOMER REQUEST	8/30/2018	26	884	34
PLANNED	8/30/2018	4	244	61
PLANNED	8/30/2018	1	47	47
PLANNED	8/30/2018	3	306	102
PLANNED	8/30/2018	8	248	31
PLANNED	8/30/2018	3	42	14
PLANNED	8/30/2018	8	240	30
PLANNED	8/30/2018	2	432	216
PLANNED	8/30/2018	5	60	12
PLANNED	8/30/2018	3	297	99
PLANNED	8/30/2018	1	25	25
PLANNED	8/30/2018	2	84	42
PLANNED	8/30/2018	7	175	25
PLANNED	8/30/2018	2	58	29
PLANNED	8/30/2018	2	22	11
PLANNED	8/30/2018	4	360	90
CUSTOMER REQUEST	8/30/2018	10	1,000	100
PLANNED	8/30/2018	25	1,825	73
PLANNED	8/30/2018	1	38	38
PLANNED	8/30/2018	1	94	94
PLANNED	8/30/2018	3	150	50
PLANNED	8/30/2018	1	91	91
PLANNED	8/30/2018	2	68	34
PLANNED	8/30/2018	1	43	43
PLANNED	8/30/2018	1	101	101
PLANNED	8/30/2018	2	334	167
CUSTOMER REQUEST	8/30/2018	1	77	77
PLANNED	8/30/2018	6	318	53
PLANNED	8/30/2018	1	181	181
PLANNED	8/31/2018	9	1,170	130
PLANNED	8/31/2018	1	85	85
PLANNED	8/31/2018	1	108	108
PLANNED	8/31/2018	6	378	63
PLANNED	8/31/2018	1	161	161
PLANNED	8/31/2018	9	864	96
PLANNED	8/31/2018	7	1,449	207
PLANNED	8/31/2018	5	65	13
PLANNED	8/31/2018	9	1,467	163
PLANNED	8/31/2018	6	972	162
PLANNED	8/31/2018	5	890	178
PLANNED	8/31/2018	8	424	53
PLANNED	8/31/2018	4	228	57
PLANNED	8/31/2018	2	6	3
PLANNED	8/31/2018	3	729	243

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/31/2018	25	3,325	133
PLANNED	8/31/2018	2	410	205
PLANNED	8/31/2018	8	952	119
PLANNED	8/31/2018	2	148	74
PLANNED	8/31/2018	6	492	82
PLANNED	8/31/2018	5	135	27
PLANNED	8/31/2018	6	318	53
PLANNED	8/31/2018	7	1,540	220
PLANNED	8/31/2018	2	292	146
PLANNED	8/31/2018	7	735	105
PLANNED	8/31/2018	1	67	67
CUSTOMER REQUEST	8/31/2018	5	370	74
PLANNED	8/31/2018	4	76	19
PLANNED	8/31/2018	26	4,394	169
PLANNED	8/31/2018	9	423	47
PLANNED	8/31/2018	9	1,332	148
PLANNED	8/31/2018	7	532	76
PLANNED	8/31/2018	1	208	208
PLANNED	8/31/2018	4	712	178
PLANNED	8/31/2018	2	420	210
PLANNED	8/31/2018	7	364	52
CUSTOMER REQUEST	8/31/2018	23	4,140	180
PLANNED	8/31/2018	2	4	2
PLANNED	8/31/2018	1	160	160
PLANNED	8/31/2018	10	360	36
PLANNED	8/31/2018	8	288	36
PLANNED	8/31/2018	3	165	55
CUSTOMER REQUEST	8/31/2018	4	588	147
PLANNED	8/31/2018	8	592	74
PLANNED	8/31/2018	7	2,310	330
PLANNED	8/31/2018	2	76	38
PLANNED	8/31/2018	1	299	299
PLANNED	8/31/2018	2	168	84
PLANNED	8/31/2018	4	576	144
PLANNED	8/31/2018	4	388	97
CUSTOMER REQUEST	8/31/2018	14	700	50
PLANNED	8/31/2018	2	368	184
CUSTOMER REQUEST	8/31/2018	1	313	313
PLANNED	8/31/2018	6	294	49
CUSTOMER REQUEST	8/31/2018	1	172	172
PLANNED	8/31/2018	2	106	53
PLANNED	8/31/2018	1	134	134
PLANNED	8/31/2018	11	231	21
PLANNED	8/31/2018	5	505	101
PLANNED	8/31/2018	2	48	24
PLANNED	8/31/2018	1	193	193
PLANNED	8/31/2018	7	1,428	204
PLANNED	8/31/2018	31	155	5
PLANNED	8/31/2018	2	148	74
PLANNED	8/31/2018	1	77	77
PLANNED	8/31/2018	1	7	7

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	8/31/2018	1	52	52
PLANNED	8/31/2018	2	110	55
PLANNED	8/31/2018	6	120	20
PLANNED	8/31/2018	1	79	79
PLANNED	8/31/2018	2	134	67
CUSTOMER REQUEST	8/31/2018	7	182	26
PLANNED	8/31/2018	8	200	25
PLANNED	8/31/2018	17	3,230	190
PLANNED	8/31/2018	11	671	61
PLANNED	8/31/2018	8	192	24
PLANNED	8/31/2018	30	2,370	79
PLANNED	8/31/2018	1	192	192
PLANNED	9/1/2018	2	296	148
PLANNED	9/1/2018	1	194	194
PLANNED	9/1/2018	10	2,620	262
PLANNED	9/1/2018	2	468	234
PLANNED	9/1/2018	7	770	110
PLANNED	9/1/2018	4	102	46
PLANNED	9/1/2018	3	633	211
PLANNED	9/1/2018	3	276	92
PLANNED	9/1/2018	1	74	74
PLANNED	9/1/2018	1	8	8
PLANNED	9/1/2018	23	644	28
PLANNED	9/2/2018	5	440	88
PLANNED	9/2/2018	4	48	12
PLANNED	9/2/2018	3	393	131
PLANNED	9/2/2018	5	280	56
CUSTOMER REQUEST	9/2/2018	2,744	61,552	38
Tropical Storm	9/3/2018	7	931	133
Tropical Storm	9/3/2018	36	1,224	34
Tropical Storm	9/3/2018	10	1,160	116
Tropical Storm	9/3/2018	3	339	113
Tropical Storm	9/3/2018	1	462	462
Tropical Storm	9/3/2018	3	174	58
CUSTOMER REQUEST	9/3/2018	3	99	33
Tropical Storm	9/3/2018	6	342	57
CUSTOMER REQUEST	9/3/2018	107	28,676	268
Tropical Storm	9/3/2018	8	416	52
Tropical Storm	9/3/2018	2	72	36
CUSTOMER REQUEST	9/3/2018	2	76	38
Tropical Storm	9/3/2018	1	168	168
PLANNED	9/4/2018	6	522	87
PLANNED	9/4/2018	2	18	9
PLANNED	9/4/2018	3	201	67
CUSTOMER REQUEST	9/4/2018	6	54	9
PLANNED	9/4/2018	1	64	64
PLANNED	9/4/2018	1	89	89
PLANNED	9/4/2018	3	240	80
PLANNED	9/4/2018	35	9,030	258
PLANNED	9/4/2018	10	250	25
PLANNED	9/4/2018	1	28	28

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/4/2018	6	42	7
PLANNED	9/4/2018	17	1,394	82
PLANNED	9/4/2018	1	177	177
PLANNED	9/4/2018	4	220	55
PLANNED	9/4/2018	3	174	58
PLANNED	9/4/2018	2	322	161
PLANNED	9/4/2018	6	282	47
PLANNED	9/4/2018	10	380	38
PLANNED	9/4/2018	4	92	23
PLANNED	9/4/2018	1	3	3
PLANNED	9/4/2018	1	91	91
PLANNED	9/4/2018	7	252	36
PLANNED	9/4/2018	2	52	26
PLANNED	9/4/2018	1	112	112
PLANNED	9/4/2018	4	404	101
PLANNED	9/4/2018	8	1,096	137
PLANNED	9/4/2018	10	1,880	188
PLANNED	9/4/2018	2	50	25
PLANNED	9/4/2018	2	78	39
PLANNED	9/4/2018	2	126	63
PLANNED	9/4/2018	6	1,038	173
CUSTOMER REQUEST	9/4/2018	7	28	4
PLANNED	9/4/2018	2	486	243
PLANNED	9/4/2018	3	447	149
PLANNED	9/4/2018	3	276	92
PLANNED	9/4/2018	8	136	17
PLANNED	9/4/2018	2	352	176
PLANNED	9/4/2018	2	174	87
PLANNED	9/4/2018	2	94	47
PLANNED	9/4/2018	2	272	136
PLANNED	9/4/2018	5	930	186
PLANNED	9/4/2018	4	20	5
PLANNED	9/4/2018	8	56	7
PLANNED	9/4/2018	5	655	131
PLANNED	9/4/2018	15	825	55
PLANNED	9/4/2018	11	2,156	196
PLANNED	9/4/2018	4	280	70
PLANNED	9/4/2018	7	224	32
PLANNED	9/4/2018	1	49	49
PLANNED	9/4/2018	8	904	113
PLANNED	9/4/2018	2	368	184
PLANNED	9/4/2018	11	583	53
PLANNED	9/4/2018	2	458	229
PLANNED	9/4/2018	7	756	108
PLANNED	9/4/2018	2	200	100
PLANNED	9/4/2018	11	297	27
PLANNED	9/4/2018	33	3,828	116
CUSTOMER REQUEST	9/4/2018	3	174	58
CUSTOMER REQUEST	9/4/2018	8	32	4
PLANNED	9/4/2018	4	312	78
PLANNED	9/4/2018	4	640	160

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	9/4/2018	21	147	7
PLANNED	9/4/2018	7	105	15
PLANNED	9/4/2018	17	323	19
PLANNED	9/4/2018	14	826	59
PLANNED	9/4/2018	2	88	44
PLANNED	9/4/2018	8	288	36
PLANNED	9/4/2018	1	57	57
PLANNED	9/4/2018	3	567	189
PLANNED	9/4/2018	7	189	27
PLANNED	9/4/2018	8	336	42
PLANNED	9/4/2018	9	315	35
PLANNED	9/4/2018	2	430	215
PLANNED	9/4/2018	8	184	23
CUSTOMER REQUEST	9/4/2018	43	559	13
PLANNED	9/4/2018	6	6	1
CUSTOMER REQUEST	9/4/2018	1	69	69
PLANNED	9/4/2018	3	153	51
CUSTOMER REQUEST	9/4/2018	1	210	210
PLANNED	9/5/2018	60	6,120	102
PLANNED	9/5/2018	1	125	125
PLANNED	9/5/2018	9	1,305	145
PLANNED	9/5/2018	1	32	32
PLANNED	9/5/2018	36	1,332	37
PLANNED	9/5/2018	4	1,100	275
PLANNED	9/5/2018	3	438	146
PLANNED	9/5/2018	1	147	147
CUSTOMER REQUEST	9/5/2018	5	65	13
PLANNED	9/5/2018	11	1,584	144
PLANNED	9/5/2018	4	468	117
PLANNED	9/5/2018	2	98	49
PLANNED	9/5/2018	1	182	182
PLANNED	9/5/2018	1	115	115
PLANNED	9/5/2018	1	5	5
PLANNED	9/5/2018	4	1,520	380
PLANNED	9/5/2018	4	1,620	405
PLANNED	9/5/2018	3	1,443	481
PLANNED	9/5/2018	4	536	134
PLANNED	9/5/2018	3	1,140	380
PLANNED	9/5/2018	11	825	75
PLANNED	9/5/2018	4	1,520	380
PLANNED	9/5/2018	4	532	133
PLANNED	9/5/2018	40	5,080	127
PLANNED	9/5/2018	1	72	72
PLANNED	9/5/2018	6	582	97
PLANNED	9/5/2018	1	36	36
PLANNED	9/5/2018	10	40	4
PLANNED	9/5/2018	11	198	188
CUSTOMER REQUEST	9/5/2018	38	11,058	291
PLANNED	9/5/2018	2	156	78
PLANNED	9/5/2018	8	344	43
PLANNED	9/5/2018	55	1,081	115

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/5/2018	7	1,253	179
PLANNED	9/5/2018	11	44	4
PLANNED	9/5/2018	26	3,406	131
PLANNED	9/5/2018	4	392	98
PLANNED	9/5/2018	82	9,840	120
PLANNED	9/5/2018	1	18	18
PLANNED	9/5/2018	5	1,490	298
PLANNED	9/5/2018	4	132	33
PLANNED	9/5/2018	12	2,148	179
PLANNED	9/5/2018	2	186	93
PLANNED	9/5/2018	10	2,770	277
PLANNED	9/5/2018	2	436	218
PLANNED	9/5/2018	2	58	29
PLANNED	9/5/2018	7	140	20
PLANNED	9/5/2018	1	35	35
PLANNED	9/5/2018	32	4,480	140
PLANNED	9/5/2018	14	4,200	300
PLANNED	9/5/2018	2	48	24
PLANNED	9/5/2018	3	51	17
PLANNED	9/5/2018	81	18,630	230
PLANNED	9/5/2018	9	441	49
PLANNED	9/5/2018	1	140	140
PLANNED	9/5/2018	1	92	92
CUSTOMER REQUEST	9/5/2018	6	42	7
PLANNED	9/5/2018	10	1,330	133
PLANNED	9/5/2018	3	175	145
PLANNED	9/5/2018	3	435	145
PLANNED	9/5/2018	5	330	66
PLANNED	9/5/2018	1	6	6
PLANNED	9/5/2018	8	1,288	161
PLANNED	9/5/2018	1	74	74
PLANNED	9/5/2018	43	5,203	121
PLANNED	9/5/2018	8	546	126
PLANNED	9/5/2018	10	780	78
PLANNED	9/5/2018	8	736	92
CUSTOMER REQUEST	9/5/2018	5	40	8
PLANNED	9/5/2018	8	816	102
PLANNED	9/5/2018	1	37	37
PLANNED	9/5/2018	4	156	39
PLANNED	9/5/2018	8	213	206
PLANNED	9/5/2018	5	540	108
PLANNED	9/5/2018	8	56	7
PLANNED	9/5/2018	1	93	93
PLANNED	9/5/2018	5	105	21
PLANNED	9/5/2018	9	1,683	187
PLANNED	9/5/2018	3	255	85
PLANNED	9/5/2018	1	95	95
PLANNED	9/5/2018	18	648	36
PLANNED	9/5/2018	10	180	18
PLANNED	9/5/2018	2	106	53
PLANNED	9/5/2018	8	376	47

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/5/2018	24	2,712	113
PLANNED	9/5/2018	2	162	81
PLANNED	9/5/2018	2	30	15
PLANNED	9/5/2018	4	24	6
PLANNED	9/5/2018	5	725	145
PLANNED	9/5/2018	2	152	76
PLANNED	9/5/2018	2	58	29
PLANNED	9/5/2018	2	54	27
PLANNED	9/5/2018	12	204	17
PLANNED	9/5/2018	11	99	9
PLANNED	9/5/2018	2	54	27
PLANNED	9/5/2018	1	81	81
CUSTOMER REQUEST	9/5/2018	20	20	399
PLANNED	9/6/2018	8	1,072	134
PLANNED	9/6/2018	2	430	215
PLANNED	9/6/2018	8	208	26
PLANNED	9/6/2018	2	72	36
CUSTOMER REQUEST	9/6/2018	9	2,223	247
CUSTOMER REQUEST	9/6/2018	19	228	12
PLANNED	9/6/2018	2	122	61
PLANNED	9/6/2018	8	120	15
PLANNED	9/6/2018	12	2,892	241
PLANNED	9/6/2018	4	36	9
PLANNED	9/6/2018	8	3,496	437
PLANNED	9/6/2018	4	516	129
PLANNED	9/6/2018	1	72	72
CUSTOMER REQUEST	9/6/2018	2	238	119
PLANNED	9/6/2018	6	900	150
PLANNED	9/6/2018	4	568	142
PLANNED	9/6/2018	3	465	155
PLANNED	9/6/2018	2	24	12
PLANNED	9/6/2018	25	5,150	206
CUSTOMER REQUEST	9/6/2018	4	1,080	270
PLANNED	9/6/2018	1	38	38
PLANNED	9/6/2018	4	64	16
PLANNED	9/6/2018	2	156	78
PLANNED	9/6/2018	12	132	11
PLANNED	9/6/2018	3	147	49
PLANNED	9/6/2018	1	145	145
PLANNED	9/6/2018	2	36	18
PLANNED	9/6/2018	5	495	99
PLANNED	9/6/2018	5	200	40
PLANNED	9/6/2018	5	495	99
PLANNED	9/6/2018	2	220	110
PLANNED	9/6/2018	3	537	179
PLANNED	9/6/2018	6	606	101
PLANNED	9/6/2018	21	3,423	163
PLANNED	9/6/2018	5	270	54
PLANNED	9/6/2018	8	40	5
PLANNED	9/6/2018	11	2,211	201
PLANNED	9/6/2018	4	720	180

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/6/2018	1	154	154
PLANNED	9/6/2018	3	36	12
PLANNED	9/6/2018	2	38	19
PLANNED	9/6/2018	8	240	30
CUSTOMER REQUEST	9/6/2018	9	288	32
PLANNED	9/6/2018	2	24	12
PLANNED	9/6/2018	11	132	12
PLANNED	9/6/2018	11	1,474	134
PLANNED	9/6/2018	9	162	18
PLANNED	9/6/2018	1	21	21
PLANNED	9/6/2018	2	180	90
PLANNED	9/6/2018	12	2,784	232
PLANNED	9/6/2018	6	78	13
PLANNED	9/6/2018	4	184	46
PLANNED	9/6/2018	6	102	17
PLANNED	9/6/2018	3	69	23
PLANNED	9/6/2018	1	42	42
PLANNED	9/6/2018	5	600	120
PLANNED	9/6/2018	12	1,572	131
PLANNED	9/6/2018	29	16,617	573
CUSTOMER REQUEST	9/6/2018	5	65	13
CUSTOMER REQUEST	9/6/2018	5	520	104
PLANNED	9/6/2018	2	32	16
PLANNED	9/6/2018	2	210	105
PLANNED	9/6/2018	1	110	110
PLANNED	9/6/2018	1	70	70
CUSTOMER REQUEST	9/6/2018	23	1,195	113
CUSTOMER REQUEST	9/6/2018	8	120	15
PLANNED	9/6/2018	10	1,370	137
PLANNED	9/6/2018	6	114	19
PLANNED	9/6/2018	6	78	13
PLANNED	9/6/2018	1	103	103
PLANNED	9/6/2018	5	805	161
PLANNED	9/6/2018	1	5	5
PLANNED	9/6/2018	2	46	23
CUSTOMER REQUEST	9/6/2018	8	128	16
CUSTOMER REQUEST	9/6/2018	1	17	17
PLANNED	9/6/2018	10	50	5
CUSTOMER REQUEST	9/6/2018	9	684	76
PLANNED	9/6/2018	1	331	331
PLANNED	9/6/2018	3	291	97
PLANNED	9/6/2018	2	36	18
PLANNED	9/6/2018	8	1,184	148
PLANNED	9/6/2018	1	92	92
PLANNED	9/6/2018	12	1,776	148
PLANNED	9/6/2018	4	456	114
PLANNED	9/6/2018	2	70	35
PLANNED	9/6/2018	1	77	77
PLANNED	9/6/2018	1	96	96
PLANNED	9/6/2018	2	36	18
CUSTOMER REQUEST	9/6/2018	12	24	2

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/6/2018	7	315	45
PLANNED	9/6/2018	1	43	43
PLANNED	9/6/2018	5	580	116
PLANNED	9/6/2018	8	288	36
PLANNED	9/6/2018	4	152	38
CUSTOMER REQUEST	9/6/2018	1	304	304
PLANNED	9/6/2018	3	120	40
PLANNED	9/6/2018	8	240	30
PLANNED	9/6/2018	4	20	5
PLANNED	9/6/2018	2	14	7
PLANNED	9/6/2018	8	288	36
CUSTOMER REQUEST	9/6/2018	1	159	159
PLANNED	9/6/2018	3	201	67
CUSTOMER REQUEST	9/6/2018	2,833	121,819	43
PLANNED	9/6/2018	3	540	180
PLANNED	9/6/2018	1	437	437
PLANNED	9/6/2018	4	524	131
PLANNED	9/7/2018	1	43	43
PLANNED	9/7/2018	3	93	31
PLANNED	9/7/2018	4	580	145
PLANNED	9/7/2018	1	180	180
PLANNED	9/7/2018	6	978	163
PLANNED	9/7/2018	3	246	82
PLANNED	9/7/2018	1	37	37
PLANNED	9/7/2018	3	66	22
PLANNED	9/7/2018	21	630	30
PLANNED	9/7/2018	3	117	39
PLANNED	9/7/2018	7	1,064	152
CUSTOMER REQUEST	9/7/2018	5	185	37
PLANNED	9/7/2018	2	82	41
CUSTOMER REQUEST	9/7/2018	16	80	5
PLANNED	9/7/2018	2	22	11
PLANNED	9/7/2018	117	19,539	167
PLANNED	9/7/2018	35	1,925	55
PLANNED	9/7/2018	4	404	101
PLANNED	9/7/2018	5	140	28
PLANNED	9/7/2018	3	156	52
CUSTOMER REQUEST	9/7/2018	12	120	10
CUSTOMER REQUEST	9/7/2018	1	37	37
PLANNED	9/7/2018	4	152	38
PLANNED	9/7/2018	4	356	89
PLANNED	9/7/2018	12	252	21
PLANNED	9/7/2018	64	8,512	133
PLANNED	9/7/2018	1	162	162
PLANNED	9/7/2018	3	186	62
PLANNED	9/7/2018	2	328	164
CUSTOMER REQUEST	9/7/2018	12	120	10
PLANNED	9/7/2018	3	315	105
PLANNED	9/7/2018	2	782	391
PLANNED	9/7/2018	2	244	122
PLANNED	9/7/2018	1	6	6

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/7/2018	10	640	64
CUSTOMER REQUEST	9/7/2018	1	40	40
PLANNED	9/7/2018	2	104	52
PLANNED	9/7/2018	3	210	70
PLANNED	9/7/2018	2	184	92
CUSTOMER REQUEST	9/7/2018	17	187	11
PLANNED	9/7/2018	14	1,302	93
PLANNED	9/7/2018	6	126	21
PLANNED	9/7/2018	14	1,218	87
CUSTOMER REQUEST	9/7/2018	3	489	163
CUSTOMER REQUEST	9/7/2018	5	110	22
PLANNED	9/7/2018	4	272	68
PLANNED	9/7/2018	1	15	15
PLANNED	9/7/2018	11	165	15
PLANNED	9/7/2018	3	51	17
PLANNED	9/7/2018	7	1,064	152
PLANNED	9/7/2018	7	1,316	188
PLANNED	9/7/2018	1	139	139
PLANNED	9/7/2018	4	16	4
PLANNED	9/7/2018	6	60	10
PLANNED	9/7/2018	1	10	10
PLANNED	9/7/2018	8	2,232	279
PLANNED	9/7/2018	11	176	16
PLANNED	9/7/2018	2	74	37
PLANNED	9/7/2018	7	917	131
PLANNED	9/7/2018	7	504	72
PLANNED	9/7/2018	1	40	40
PLANNED	9/7/2018	1	33	33
PLANNED	9/7/2018	6	126	21
PLANNED	9/7/2018	6	90	15
PLANNED	9/7/2018	8	728	91
CUSTOMER REQUEST	9/7/2018	1	68	68
PLANNED	9/7/2018	3	252	84
PLANNED	9/7/2018	1	172	172
PLANNED	9/7/2018	3	57	19
PLANNED	9/7/2018	3	219	73
PLANNED	9/7/2018	7	98	14
PLANNED	9/7/2018	1	32	32
PLANNED	9/7/2018	4	68	17
PLANNED	9/7/2018	7	1,869	267
PLANNED	9/7/2018	2	520	260
PLANNED	9/7/2018	3	111	37
PLANNED	9/7/2018	5	930	186
PLANNED	9/7/2018	11	374	34
PLANNED	9/7/2018	2	92	46
PLANNED	9/7/2018	7	574	82
PLANNED	9/7/2018	1	168	168
PLANNED	9/7/2018	10	360	36
PLANNED	9/7/2018	11	1,265	115
PLANNED	9/7/2018	1	36	36
CUSTOMER REQUEST	9/7/2018	1	39	39

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/7/2018	4	56	14
CUSTOMER REQUEST	9/7/2018	13	819	63
PLANNED	9/7/2018	1	1,477	1,477
PLANNED	9/7/2018	3	648	216
PLANNED	9/7/2018	1	137	137
PLANNED	9/8/2018	2	166	83
PLANNED	9/8/2018	1	54	54
PLANNED	9/8/2018	1	82	82
PLANNED	9/8/2018	12	4,680	390
PLANNED	9/8/2018	27	5,454	202
CUSTOMER REQUEST	9/8/2018	1	1,698	1,698
CUSTOMER REQUEST	9/8/2018	5	1,520	304
PLANNED	9/8/2018	3	510	170
PLANNED	9/8/2018	2	112	56
PLANNED	9/8/2018	3	180	60
PLANNED	9/8/2018	5	270	54
PLANNED	9/8/2018	1	166	166
PLANNED	9/8/2018	11	154	14
PLANNED	9/8/2018	6	150	25
CUSTOMER REQUEST	9/8/2018	1	63	63
CUSTOMER REQUEST	9/8/2018	1	219	219
PLANNED	9/9/2018	1	284	284
PLANNED	9/9/2018	5	690	138
PLANNED	9/9/2018	3	186	62
PLANNED	9/9/2018	10	560	56
PLANNED	9/9/2018	2	216	108
PLANNED	9/9/2018	1	287	287
PLANNED	9/9/2018	1	137	137
PLANNED	9/9/2018	2	476	238
PLANNED	9/9/2018	4	304	76
CUSTOMER REQUEST	9/9/2018	1	59	59
PLANNED	9/9/2018	1	203	203
PLANNED	9/9/2018	2	24	12
PLANNED	9/9/2018	4	584	146
PLANNED	9/9/2018	10	2,900	290
PLANNED	9/9/2018	20	880	44
PLANNED	9/9/2018	1	136	136
PLANNED	9/10/2018	1	198	198
PLANNED	9/10/2018	22	4,334	197
CUSTOMER REQUEST	9/10/2018	10	1,870	187
PLANNED	9/10/2018	37	7,918	214
PLANNED	9/10/2018	1	38	38
PLANNED	9/10/2018	1	66	66
PLANNED	9/10/2018	2	214	107
PLANNED	9/10/2018	11	2,926	266
PLANNED	9/10/2018	2	328	164
PLANNED	9/10/2018	5	175	35
PLANNED	9/10/2018	8	496	62
PLANNED	9/10/2018	9	882	98
PLANNED	9/10/2018	2	80	40
PLANNED	9/10/2018	6	372	62

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/10/2018	7	385	55
PLANNED	9/10/2018	6	1,038	173
PLANNED	9/10/2018	6	204	34
PLANNED	9/10/2018	38	9,918	261
PLANNED	9/10/2018	6	642	107
PLANNED	9/10/2018	3	129	43
PLANNED	9/10/2018	9	171	19
PLANNED	9/10/2018	1	69	69
PLANNED	9/10/2018	8	40	5
PLANNED	9/10/2018	6	24	4
PLANNED	9/10/2018	1	305	305
PLANNED	9/10/2018	10	1,690	169
PLANNED	9/10/2018	15	4,515	301
PLANNED	9/10/2018	3	315	105
CUSTOMER REQUEST	9/10/2018	3	195	65
PLANNED	9/10/2018	8	1,472	184
PLANNED	9/10/2018	25	1,250	50
PLANNED	9/10/2018	1	286	286
PLANNED	9/10/2018	8	880	110
CUSTOMER REQUEST	9/10/2018	4	2,452	613
PLANNED	9/10/2018	3	357	123
CUSTOMER REQUEST	9/10/2018	97	7,372	76
PLANNED	9/10/2018	12	1,572	131
PLANNED	9/10/2018	2	178	89
PLANNED	9/10/2018	5	355	71
PLANNED	9/10/2018	7	854	122
PLANNED	9/10/2018	8	720	90
PLANNED	9/10/2018	7	378	54
PLANNED	9/10/2018	4	920	230
PLANNED	9/10/2018	3	165	55
PLANNED	9/10/2018	9	972	108
CUSTOMER REQUEST	9/10/2018	89	3,827	43
PLANNED	9/10/2018	6	216	36
PLANNED	9/10/2018	1	13	13
PLANNED	9/10/2018	2	206	103
PLANNED	9/10/2018	1	7	7
PLANNED	9/10/2018	8	912	114
PLANNED	9/10/2018	7	560	80
PLANNED	9/10/2018	1	17	17
PLANNED	9/10/2018	25	1,325	53
PLANNED	9/10/2018	10	360	36
PLANNED	9/10/2018	8	688	86
PLANNED	9/10/2018	2	208	104
PLANNED	9/10/2018	2	72	36
PLANNED	9/10/2018	1	36	36
PLANNED	9/10/2018	3	108	36
PLANNED	9/10/2018	1	42	42
PLANNED	9/10/2018	7	42	6
PLANNED	9/10/2018	8	568	71
PLANNED	9/10/2018	1	108	108
PLANNED	9/10/2018	23	2,599	113

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	9/10/2018	15	60	4
PLANNED	9/10/2018	8	272	34
PLANNED	9/10/2018	1	170	170
PLANNED	9/10/2018	10	570	57
PLANNED	9/10/2018	7	1,169	167
PLANNED	9/10/2018	8	528	66
PLANNED	9/10/2018	1	18	18
PLANNED	9/10/2018	1	103	103
PLANNED	9/10/2018	2	318	159
PLANNED	9/10/2018	2	78	39
PLANNED	9/10/2018	7	224	32
PLANNED	9/10/2018	1	79	79
PLANNED	9/10/2018	24	4,152	173
PLANNED	9/10/2018	24	3,816	159
PLANNED	9/10/2018	1	3	3
PLANNED	9/10/2018	1	22	22
PLANNED	9/10/2018	2	92	46
PLANNED	9/10/2018	1	256	256
PLANNED	9/10/2018	110	16,390	149
PLANNED	9/10/2018	14	2,954	211
PLANNED	9/11/2018	1	314	314
PLANNED	9/11/2018	41	13,284	324
PLANNED	9/11/2018	2	54	27
PLANNED	9/11/2018	7	105	15
PLANNED	9/11/2018	8	80	10
PLANNED	9/11/2018	19	2,793	147
PLANNED	9/11/2018	13	910	70
PLANNED	9/11/2018	1	110	110
PLANNED	9/11/2018	79	3,759	231
CUSTOMER REQUEST	9/11/2018	73	19,199	263
PLANNED	9/11/2018	2	150	75
PLANNED	9/11/2018	186	58,962	317
PLANNED	9/11/2018	2	2	99
PLANNED	9/11/2018	9	684	76
CUSTOMER REQUEST	9/11/2018	8	96	12
CUSTOMER REQUEST	9/11/2018	2	70	35
PLANNED	9/11/2018	5	110	22
PLANNED	9/11/2018	2	90	45
PLANNED	9/11/2018	12	2,220	185
PLANNED	9/11/2018	1	115	115
PLANNED	9/11/2018	1	100	100
PLANNED	9/11/2018	7	868	124
PLANNED	9/11/2018	8	1,064	133
PLANNED	9/11/2018	3	249	83
PLANNED	9/11/2018	8	536	67
PLANNED	9/11/2018	6	60	10
PLANNED	9/11/2018	2	338	169
PLANNED	9/11/2018	6	384	64
PLANNED	9/11/2018	6	750	125
PLANNED	9/11/2018	6	228	38
PLANNED	9/11/2018	14	2,184	156

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	9/11/2018	11	44	4
PLANNED	9/11/2018	2	114	57
PLANNED	9/11/2018	4	776	194
PLANNED	9/11/2018	2	412	206
PLANNED	9/11/2018	2	372	186
CUSTOMER REQUEST	9/11/2018	17	68	4
PLANNED	9/11/2018	9	522	58
PLANNED	9/11/2018	15	1,980	132
CUSTOMER REQUEST	9/11/2018	1	62	62
PLANNED	9/11/2018	4	156	39
PLANNED	9/11/2018	9	2,052	228
CUSTOMER REQUEST	9/11/2018	4	3,284	821
PLANNED	9/11/2018	85	2,380	28
PLANNED	9/11/2018	1	1	1
PLANNED	9/11/2018	2	92	46
PLANNED	9/11/2018	8	40	5
PLANNED	9/11/2018	3	195	65
PLANNED	9/11/2018	2	56	28
PLANNED	9/11/2018	9	81	9
PLANNED	9/11/2018	6	318	53
PLANNED	9/11/2018	14	1,694	121
PLANNED	9/11/2018	23	1,104	48
CUSTOMER REQUEST	9/11/2018	1	368	368
PLANNED	9/11/2018	3	81	27
CUSTOMER REQUEST	9/11/2018	1	95	95
PLANNED	9/11/2018	4	120	30
CUSTOMER REQUEST	9/11/2018	8	704	88
PLANNED	9/11/2018	2	78	39
CUSTOMER REQUEST	9/11/2018	8	64	8
PLANNED	9/11/2018	6	1,004	254
PLANNED	9/11/2018	8	208	26
PLANNED	9/11/2018	1	33	33
CUSTOMER REQUEST	9/11/2018	2	242	150
PLANNED	9/11/2018	6	48	8
PLANNED	9/11/2018	1	69	69
PLANNED	9/11/2018	25	1,550	62
PLANNED	9/11/2018	2	420	210
PLANNED	9/11/2018	10	790	79
PLANNED	9/11/2018	8	776	97
PLANNED	9/11/2018	29	1,189	41
PLANNED	9/11/2018	2	164	82
PLANNED	9/11/2018	4	212	53
PLANNED	9/11/2018	4	780	195
PLANNED	9/11/2018	5	310	62
CUSTOMER REQUEST	9/11/2018	6	720	120
PLANNED	9/11/2018	1	37	37
PLANNED	9/11/2018	11	836	76
PLANNED	9/11/2018	1	119	119
PLANNED	9/11/2018	1	20	20
CUSTOMER REQUEST	9/11/2018	19	760	40
PLANNED	9/11/2018	15	225	15

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/11/2018	3	45	15
PLANNED	9/11/2018	8	352	44
PLANNED	9/11/2018	5	105	21
CUSTOMER REQUEST	9/11/2018	1	144	144
PLANNED	9/11/2018	26	3,042	117
CUSTOMER REQUEST	9/11/2018	1	71	71
PLANNED	9/12/2018	1	2	2
PLANNED	9/12/2018	1	318	318
PLANNED	9/12/2018	41	11,357	277
PLANNED	9/12/2018	1	378	378
PLANNED	9/12/2018	1	126	126
PLANNED	9/12/2018	2	74	37
PLANNED	9/12/2018	4	180	45
CUSTOMER REQUEST	9/12/2018	8	432	54
CUSTOMER REQUEST	9/12/2018	3	54	18
CUSTOMER REQUEST	9/12/2018	2	866	433
PLANNED	9/12/2018	5	910	182
PLANNED	9/12/2018	1	301	301
PLANNED	9/12/2018	8	496	62
PLANNED	9/12/2018	20	800	40
PLANNED	9/12/2018	10	680	68
PLANNED	9/12/2018	7	476	68
PLANNED	9/12/2018	7	819	117
CUSTOMER REQUEST	9/12/2018	22	12,540	570
PLANNED	9/12/2018	5	45	9
PLANNED	9/12/2018	1	157	157
PLANNED	9/12/2018	10	580	58
PLANNED	9/12/2018	3	393	131
PLANNED	9/12/2018	23	4,209	183
PLANNED	9/12/2018	2	144	72
PLANNED	9/12/2018	1	119	119
PLANNED	9/12/2018	7	175	25
PLANNED	9/12/2018	26	2,834	109
PLANNED	9/12/2018	5	240	48
PLANNED	9/12/2018	2	114	57
CUSTOMER REQUEST	9/12/2018	14	70	5
PLANNED	9/12/2018	4	1,136	284
PLANNED	9/12/2018	4	628	157
PLANNED	9/12/2018	12	1,164	97
CUSTOMER REQUEST	9/12/2018	4	616	154
PLANNED	9/12/2018	2	32	16
PLANNED	9/12/2018	8	592	74
CUSTOMER REQUEST	9/12/2018	13	3,094	238
PLANNED	9/12/2018	8	1,504	188
PLANNED	9/12/2018	8	608	76
PLANNED	9/12/2018	1	56	56
PLANNED	9/12/2018	3	192	64
CUSTOMER REQUEST	9/12/2018	9	54	6
PLANNED	9/12/2018	5	225	45
PLANNED	9/12/2018	3	552	184
PLANNED	9/12/2018	11	583	53

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	9/12/2018	2	4	2
PLANNED	9/12/2018	6	474	79
CUSTOMER REQUEST	9/12/2018	3	114	38
PLANNED	9/12/2018	12	1,764	147
PLANNED	9/12/2018	5	235	47
PLANNED	9/12/2018	6	534	89
PLANNED	9/12/2018	2	96	48
PLANNED	9/12/2018	1	96	96
PLANNED	9/12/2018	10	60	6
PLANNED	9/12/2018	16	960	60
CUSTOMER REQUEST	9/12/2018	7	42	6
PLANNED	9/12/2018	7	518	74
PLANNED	9/12/2018	18	684	38
PLANNED	9/12/2018	2	190	95
PLANNED	9/12/2018	8	408	51
PLANNED	9/12/2018	7	259	37
PLANNED	9/12/2018	2	126	63
PLANNED	9/12/2018	1	17	17
PLANNED	9/12/2018	5	180	36
PLANNED	9/12/2018	6	450	75
PLANNED	9/12/2018	9	315	35
PLANNED	9/12/2018	2	136	68
PLANNED	9/12/2018	1	261	261
PLANNED	9/12/2018	1	27	27
PLANNED	9/12/2018	1	128	128
PLANNED	9/13/2018	1	133	133
PLANNED	9/13/2018	2	104	52
PLANNED	9/13/2018	1	55	55
PLANNED	9/13/2018	11	748	68
PLANNED	9/13/2018	1	93	93
PLANNED	9/13/2018	1	93	93
PLANNED	9/13/2018	1	1	1
PLANNED	9/13/2018	68	20,196	297
PLANNED	9/13/2018	2	514	257
PLANNED	9/13/2018	1	77	77
PLANNED	9/13/2018	4	228	57
PLANNED	9/13/2018	2	580	290
PLANNED	9/13/2018	2	232	116
PLANNED	9/13/2018	26	4,290	165
PLANNED	9/13/2018	1	300	300
PLANNED	9/13/2018	3	177	59
PLANNED	9/13/2018	2	262	131
CUSTOMER REQUEST	9/13/2018	4	84	21
PLANNED	9/13/2018	10	570	57
PLANNED	9/13/2018	4	592	148
CUSTOMER REQUEST	9/13/2018	1	100	100
PLANNED	9/13/2018	4	1,440	360
PLANNED	9/13/2018	6	564	94
PLANNED	9/13/2018	1	348	348
PLANNED	9/13/2018	1	145	145
PLANNED	9/13/2018	6	30	5

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/13/2018	7	2,408	344
PLANNED	9/13/2018	32	224	7
PLANNED	9/13/2018	6	384	64
PLANNED	9/13/2018	44	5,324	121
PLANNED	9/13/2018	9	972	108
CUSTOMER REQUEST	9/13/2018	13	806	62
PLANNED	9/13/2018	1	104	104
PLANNED	9/13/2018	6	276	46
PLANNED	9/13/2018	6	168	28
PLANNED	9/13/2018	9	972	108
PLANNED	9/13/2018	2	274	137
PLANNED	9/13/2018	3	24	8
PLANNED	9/13/2018	2	96	48
PLANNED	9/13/2018	6	570	95
PLANNED	9/13/2018	6	210	35
PLANNED	9/13/2018	2	384	192
PLANNED	9/13/2018	97	4,171	43
PLANNED	9/13/2018	9	171	19
PLANNED	9/13/2018	1	165	165
PLANNED	9/13/2018	1	117	117
PLANNED	9/13/2018	6	786	131
PLANNED	9/13/2018	8	72	9
PLANNED	9/13/2018	4	264	66
PLANNED	9/13/2018	2	174	87
PLANNED	9/13/2018	1	11	11
CUSTOMER REQUEST	9/13/2018	3	69	23
PLANNED	9/13/2018	2	330	165
PLANNED	9/13/2018	3	285	95
PLANNED	9/13/2018	15	1,320	88
PLANNED	9/13/2018	12	660	55
PLANNED	9/13/2018	6	54	9
PLANNED	9/13/2018	1	94	94
PLANNED	9/13/2018	4	332	83
PLANNED	9/13/2018	8	8	1
PLANNED	9/13/2018	1	121	121
PLANNED	9/13/2018	12	240	20
PLANNED	9/13/2018	6	72	12
CUSTOMER REQUEST	9/13/2018	5	50	10
PLANNED	9/13/2018	7	28	4
PLANNED	9/13/2018	8	256	32
PLANNED	9/13/2018	1	114	114
PLANNED	9/13/2018	6	90	15
PLANNED	9/13/2018	8	488	61
PLANNED	9/13/2018	8	656	82
PLANNED	9/13/2018	1	168	168
PLANNED	9/13/2018	1	108	108
PLANNED	9/13/2018	2	114	57
PLANNED	9/14/2018	2	186	93
PLANNED	9/14/2018	1	265	265
PLANNED	9/14/2018	2	534	267
PLANNED	9/14/2018	2	260	130

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/14/2018	3	183	61
PLANNED	9/14/2018	5	300	60
PLANNED	9/14/2018	2	164	82
PLANNED	9/14/2018	1	148	148
PLANNED	9/14/2018	3	216	72
PLANNED	9/14/2018	2	400	200
PLANNED	9/14/2018	3	258	86
PLANNED	9/14/2018	18	2,430	135
PLANNED	9/14/2018	8	464	58
CUSTOMER REQUEST	9/14/2018	1	69	69
PLANNED	9/14/2018	2	178	89
PLANNED	9/14/2018	7	798	114
PLANNED	9/14/2018	3	180	60
PLANNED	9/14/2018	9	162	18
PLANNED	9/14/2018	19	1,064	56
PLANNED	9/14/2018	10	50	5
PLANNED	9/14/2018	3	378	126
CUSTOMER REQUEST	9/14/2018	8	1,560	195
PLANNED	9/14/2018	2	292	146
PLANNED	9/14/2018	2	22	11
PLANNED	9/14/2018	9	1,134	126
PLANNED	9/14/2018	64	6,016	94
CUSTOMER REQUEST	9/14/2018	10	460	46
PLANNED	9/14/2018	12	1,032	86
PLANNED	9/14/2018	8	928	116
PLANNED	9/14/2018	2	108	54
PLANNED	9/14/2018	1	202	202
CUSTOMER REQUEST	9/14/2018	8	720	90
PLANNED	9/14/2018	41	2,296	56
PLANNED	9/14/2018	9	126	14
PLANNED	9/14/2018	2	82	41
PLANNED	9/14/2018	2	136	68
PLANNED	9/14/2018	1	73	73
CUSTOMER REQUEST	9/14/2018	443	31,453	71
PLANNED	9/14/2018	1	83	83
PLANNED	9/14/2018	2	20	10
PLANNED	9/14/2018	1	160	160
PLANNED	9/14/2018	1	86	86
PLANNED	9/14/2018	8	448	56
PLANNED	9/14/2018	2	152	76
PLANNED	9/14/2018	48	7,104	148
PLANNED	9/14/2018	5	255	51
PLANNED	9/14/2018	1	232	232
CUSTOMER REQUEST	9/14/2018	8	280	35
PLANNED	9/14/2018	28	224	8
PLANNED	9/14/2018	1	42	42
CUSTOMER REQUEST	9/14/2018	8	1,152	144
PLANNED	9/14/2018	26	5,798	223
PLANNED	9/14/2018	10	480	48
PLANNED	9/14/2018	9	153	17
PLANNED	9/14/2018	4	108	27

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/14/2018	1	12	12
PLANNED	9/14/2018	3	168	56
PLANNED	9/14/2018	2	410	205
CUSTOMER REQUEST	9/14/2018	20	1,020	51
PLANNED	9/14/2018	8	328	41
PLANNED	9/14/2018	1	96	96
PLANNED	9/14/2018	1	82	82
PLANNED	9/14/2018	4	184	46
PLANNED	9/14/2018	5	250	50
PLANNED	9/14/2018	4	72	18
PLANNED	9/14/2018	8	712	89
PLANNED	9/14/2018	2	92	46
PLANNED	9/14/2018	8	712	89
PLANNED	9/14/2018	12	2,196	183
PLANNED	9/14/2018	23	184	8
PLANNED	9/14/2018	11	242	22
CUSTOMER REQUEST	9/14/2018	2	290	145
PLANNED	9/14/2018	1	70	70
PLANNED	9/14/2018	3	180	60
PLANNED	9/14/2018	2	82	41
CUSTOMER REQUEST	9/14/2018	1	112	112
PLANNED	9/14/2018	2	14	7
PLANNED	9/14/2018	1	98	98
PLANNED	9/15/2018	1	198	198
PLANNED	9/15/2018	3	219	73
PLANNED	9/15/2018	2	298	149
PLANNED	9/15/2018	1	196	196
PLANNED	9/15/2018	1	255	255
PLANNED	9/15/2018	1	207	207
PLANNED	9/15/2018	7	301	43
PLANNED	9/15/2018	2	166	83
PLANNED	9/15/2018	1	314	314
PLANNED	9/15/2018	17	2,193	129
PLANNED	9/15/2018	4	232	58
CUSTOMER REQUEST	9/15/2018	1	433	433
PLANNED	9/15/2018	3	273	91
PLANNED	9/15/2018	1	173	173
CUSTOMER REQUEST	9/15/2018	1	173	173
PLANNED	9/16/2018	1	199	199
PLANNED	9/16/2018	1	57	57
PLANNED	9/16/2018	12	3,480	290
PLANNED	9/16/2018	5	895	179
PLANNED	9/16/2018	2	72	36
PLANNED	9/16/2018	4	308	77
PLANNED	9/16/2018	1	64	64
PLANNED	9/16/2018	6	654	109
PLANNED	9/16/2018	4	504	126
CUSTOMER REQUEST	9/16/2018	1	145	145
PLANNED	9/16/2018	4	716	179
PLANNED	9/16/2018	1	149	149
PLANNED	9/17/2018	1	164	164

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/17/2018	1	172	172
CUSTOMER REQUEST	9/17/2018	21	5,859	279
PLANNED	9/17/2018	1	128	128
PLANNED	9/17/2018	1	208	208
PLANNED	9/17/2018	5	110	22
CUSTOMER REQUEST	9/17/2018	6	942	157
PLANNED	9/17/2018	1	157	157
CUSTOMER REQUEST	9/17/2018	6	1,164	194
PLANNED	9/17/2018	1	19	19
PLANNED	9/17/2018	1	35	35
PLANNED	9/17/2018	5	990	198
PLANNED	9/17/2018	2	150	75
PLANNED	9/17/2018	2	132	66
PLANNED	9/17/2018	2	234	117
PLANNED	9/17/2018	23	2,622	114
PLANNED	9/17/2018	1	94	94
PLANNED	9/17/2018	5	735	147
PLANNED	9/17/2018	4	868	217
PLANNED	9/17/2018	5	185	37
PLANNED	9/17/2018	19	1,197	63
PLANNED	9/17/2018	28	2,184	78
PLANNED	9/17/2018	1	25	25
CUSTOMER REQUEST	9/17/2018	5	2,475	495
PLANNED	9/17/2018	3	63	21
PLANNED	9/17/2018	4	256	64
PLANNED	9/17/2018	3	426	142
PLANNED	9/17/2018	4	780	195
PLANNED	9/17/2018	4	852	213
PLANNED	9/17/2018	3	339	113
PLANNED	9/17/2018	1	199	199
PLANNED	9/17/2018	2	398	199
PLANNED	9/17/2018	2	400	200
PLANNED	9/17/2018	3	600	200
PLANNED	9/17/2018	40	9,440	236
CUSTOMER REQUEST	9/17/2018	74	20,202	273
PLANNED	9/17/2018	19	684	36
PLANNED	9/17/2018	12	1,104	92
PLANNED	9/17/2018	3	846	282
PLANNED	9/17/2018	29	6,351	219
CUSTOMER REQUEST	9/17/2018	7	147	21
PLANNED	9/17/2018	8	728	91
PLANNED	9/17/2018	1	86	86
PLANNED	9/17/2018	7	644	92
PLANNED	9/17/2018	4	304	76
PLANNED	9/17/2018	2	90	45
PLANNED	9/17/2018	7	7	109
PLANNED	9/17/2018	4	164	41
PLANNED	9/17/2018	1	23	23
PLANNED	9/17/2018	1	164	164
CUSTOMER REQUEST	9/17/2018	3	162	54
PLANNED	9/17/2018	2	46	23

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/17/2018	1	24	24
CUSTOMER REQUEST	9/17/2018	6	30	5
PLANNED	9/17/2018	6	90	15
PLANNED	9/17/2018	3	549	183
PLANNED	9/17/2018	11	253	23
PLANNED	9/17/2018	6	630	105
PLANNED	9/17/2018	2	190	95
PLANNED	9/17/2018	17	1,054	62
PLANNED	9/17/2018	5	190	38
PLANNED	9/17/2018	2	206	103
PLANNED	9/17/2018	2	614	307
PLANNED	9/17/2018	1	38	38
PLANNED	9/17/2018	11	2,167	197
PLANNED	9/17/2018	18	378	21
PLANNED	9/17/2018	10	830	83
PLANNED	9/17/2018	26	2,834	109
PLANNED	9/17/2018	1	134	134
PLANNED	9/17/2018	2	264	132
PLANNED	9/17/2018	5	640	128
PLANNED	9/17/2018	3	591	197
PLANNED	9/17/2018	1	148	148
CUSTOMER REQUEST	9/17/2018	182	5,096	28
PLANNED	9/17/2018	4	180	45
PLANNED	9/17/2018	1	33	33
PLANNED	9/18/2018	3	360	120
PLANNED	9/18/2018	8	424	53
PLANNED	9/18/2018	6	1,050	175
PLANNED	9/18/2018	12	2,136	178
PLANNED	9/18/2018	1	34	34
PLANNED	9/18/2018	3	264	88
CUSTOMER REQUEST	9/18/2018	1	111	111
PLANNED	9/18/2018	5	220	44
PLANNED	9/18/2018	7	483	69
PLANNED	9/18/2018	10	1,340	134
PLANNED	9/18/2018	6	414	69
PLANNED	9/18/2018	1	174	174
CUSTOMER REQUEST	9/18/2018	6	1,770	295
PLANNED	9/18/2018	13	3,471	267
CUSTOMER REQUEST	9/18/2018	8	208	26
PLANNED	9/18/2018	2	344	172
PLANNED	9/18/2018	1	183	183
PLANNED	9/18/2018	5	975	195
CUSTOMER REQUEST	9/18/2018	1	40	40
PLANNED	9/18/2018	16	1,696	106
CUSTOMER REQUEST	9/18/2018	1	147	147
PLANNED	9/18/2018	13	3,874	298
PLANNED	9/18/2018	4	1,176	294
PLANNED	9/18/2018	1	179	179
PLANNED	9/18/2018	5	20	4
PLANNED	9/18/2018	1	164	164
PLANNED	9/18/2018	1	40	40

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/18/2018	58	3,596	62
PLANNED	9/18/2018	8	2,304	338
PLANNED	9/18/2018	8	72	9
PLANNED	9/18/2018	7	924	132
PLANNED	9/18/2018	40	2,160	55
CUSTOMER REQUEST	9/18/2018	17	5,253	309
CUSTOMER REQUEST	9/18/2018	11	264	24
PLANNED	9/18/2018	3	1,050	350
PLANNED	9/18/2018	4	880	220
PLANNED	9/18/2018	6	426	71
PLANNED	9/18/2018	1	20	20
PLANNED	9/18/2018	10	100	10
PLANNED	9/18/2018	29	1,866	168
PLANNED	9/18/2018	8	1,344	168
PLANNED	9/18/2018	1	106	106
PLANNED	9/18/2018	8	184	23
PLANNED	9/18/2018	2	162	81
PLANNED	9/18/2018	6	1,260	210
PLANNED	9/18/2018	3	111	37
PLANNED	9/18/2018	4	40	10
PLANNED	9/18/2018	4	644	161
PLANNED	9/18/2018	1	23	23
PLANNED	9/18/2018	10	130	13
PLANNED	9/18/2018	1	15	15
PLANNED	9/18/2018	10	10	1
PLANNED	9/18/2018	1	59	59
PLANNED	9/18/2018	3	366	122
PLANNED	9/18/2018	4	200	50
PLANNED	9/18/2018	6	324	54
PLANNED	9/18/2018	8	56	7
PLANNED	9/18/2018	5	855	171
PLANNED	9/18/2018	11	506	46
PLANNED	9/18/2018	6	582	97
PLANNED	9/18/2018	12	276	23
CUSTOMER REQUEST	9/18/2018	4	16	4
PLANNED	9/18/2018	7	252	36
CUSTOMER REQUEST	9/18/2018	1	43	43
PLANNED	9/18/2018	3	141	47
PLANNED	9/18/2018	4	176	44
PLANNED	9/18/2018	1	17	17
PLANNED	9/18/2018	5	645	129
PLANNED	9/18/2018	2	406	203
PLANNED	9/18/2018	5	15	3
PLANNED	9/18/2018	6	762	127
PLANNED	9/18/2018	1	216	216
PLANNED	9/18/2018	2	140	70
PLANNED	9/18/2018	6	294	49
PLANNED	9/18/2018	1	177	177
CUSTOMER REQUEST	9/18/2018	3	120	40
PLANNED	9/18/2018	27	7,155	265
PLANNED	9/18/2018	5	870	174

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/18/2018	8	2,208	276
PLANNED	9/18/2018	14	4,410	315
PLANNED	9/18/2018	13	4,069	313
PLANNED	9/18/2018	1	51	51
PLANNED	9/18/2018	4	148	37
PLANNED	9/18/2018	21	1,050	50
PLANNED	9/18/2018	1	50	50
PLANNED	9/18/2018	2	152	76
PLANNED	9/18/2018	10	30	3
PLANNED	9/18/2018	7	91	13
PLANNED	9/18/2018	1	54	54
PLANNED	9/18/2018	3	12	4
PLANNED	9/18/2018	6	216	36
PLANNED	9/18/2018	4	412	103
PLANNED	9/18/2018	5	575	115
PLANNED	9/18/2018	2	192	96
PLANNED	9/19/2018	1	73	73
PLANNED	9/19/2018	65	6,435	99
PLANNED	9/19/2018	12	1,788	149
PLANNED	9/19/2018	2	174	87
PLANNED	9/19/2018	29	5,568	192
PLANNED	9/19/2018	1	129	129
PLANNED	9/19/2018	12	72	6
PLANNED	9/19/2018	8	920	115
PLANNED	9/19/2018	10	1,430	143
CUSTOMER REQUEST	9/19/2018	7	1,407	201
PLANNED	9/19/2018	3	99	33
PLANNED	9/19/2018	3	855	285
PLANNED	9/19/2018	2	296	148
PLANNED	9/19/2018	47	7,802	166
CUSTOMER REQUEST	9/19/2018	7	462	66
PLANNED	9/19/2018	1	22	22
PLANNED	9/19/2018	40	632	29
PLANNED	9/19/2018	1	169	169
CUSTOMER REQUEST	9/19/2018	25	400	16
CUSTOMER REQUEST	9/19/2018	54	6,912	128
CUSTOMER REQUEST	9/19/2018	8	104	13
PLANNED	9/19/2018	1	188	188
PLANNED	9/19/2018	8	384	48
PLANNED	9/19/2018	1	260	260
PLANNED	9/19/2018	3	123	41
PLANNED	9/19/2018	3	636	212
PLANNED	9/19/2018	2	338	169
PLANNED	9/19/2018	136	19,312	142
CUSTOMER REQUEST	9/19/2018	1	337	337
PLANNED	9/19/2018	20	1,944	236
PLANNED	9/19/2018	10	20	2
PLANNED	9/19/2018	18	4,500	250
PLANNED	9/19/2018	4	292	73
PLANNED	9/19/2018	13	936	72
PLANNED	9/19/2018	4	148	37

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/19/2018	1	112	112
PLANNED	9/19/2018	2	276	138
PLANNED	9/19/2018	5	290	58
CUSTOMER REQUEST	9/19/2018	6	90	15
PLANNED	9/19/2018	1	5	5
PLANNED	9/19/2018	12	12	1
PLANNED	9/19/2018	10	1,860	186
PLANNED	9/19/2018	3	162	54
PLANNED	9/19/2018	10	377	86
CUSTOMER REQUEST	9/19/2018	1	329	329
PLANNED	9/19/2018	6	828	138
PLANNED	9/19/2018	6	318	53
PLANNED	9/19/2018	6	1,524	254
PLANNED	9/19/2018	2	162	81
PLANNED	9/19/2018	1	81	81
PLANNED	9/19/2018	1	78	78
PLANNED	9/19/2018	8	1,056	132
PLANNED	9/19/2018	2	162	81
PLANNED	9/19/2018	3	6	2
PLANNED	9/19/2018	3	534	178
PLANNED	9/19/2018	4	312	78
PLANNED	9/19/2018	1	103	103
PLANNED	9/19/2018	4	188	47
PLANNED	9/19/2018	135	18,090	134
PLANNED	9/19/2018	19	3,724	196
PLANNED	9/19/2018	4	364	91
PLANNED	9/19/2018	7	425	127
CUSTOMER REQUEST	9/19/2018	13	455	35
PLANNED	9/19/2018	6	906	151
PLANNED	9/19/2018	13	572	44
PLANNED	9/19/2018	7	812	116
PLANNED	9/19/2018	3	138	46
PLANNED	9/19/2018	4	240	60
CUSTOMER REQUEST	9/19/2018	7	294	42
PLANNED	9/19/2018	7	1,981	283
CUSTOMER REQUEST	9/19/2018	2	200	100
PLANNED	9/19/2018	11	1,419	129
PLANNED	9/19/2018	6	60	10
PLANNED	9/19/2018	12	300	25
PLANNED	9/19/2018	11	1,386	126
PLANNED	9/19/2018	1	50	50
PLANNED	9/19/2018	3	561	187
PLANNED	9/19/2018	3	87	29
PLANNED	9/19/2018	4	476	119
PLANNED	9/19/2018	4	356	89
CUSTOMER REQUEST	9/19/2018	2	170	85
PLANNED	9/19/2018	15	645	43
PLANNED	9/19/2018	16	2,512	157
PLANNED	9/20/2018	14	2,478	177
PLANNED	9/20/2018	3	237	79
PLANNED	9/20/2018	39	8,463	217

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/20/2018	1	90	90
PLANNED	9/20/2018	1	233	233
PLANNED	9/20/2018	5	940	188
PLANNED	9/20/2018	5	165	33
PLANNED	9/20/2018	1	230	230
PLANNED	9/20/2018	13	325	25
PLANNED	9/20/2018	8	768	96
PLANNED	9/20/2018	25	5,675	227
PLANNED	9/20/2018	6	624	104
PLANNED	9/20/2018	11	550	50
PLANNED	9/20/2018	27	2,349	87
PLANNED	9/20/2018	8	544	68
PLANNED	9/20/2018	8	440	55
PLANNED	9/20/2018	21	599	39
PLANNED	9/20/2018	10	120	12
PLANNED	9/20/2018	15	105	7
PLANNED	9/20/2018	4	156	39
PLANNED	9/20/2018	120	27,600	230
PLANNED	9/20/2018	3	42	14
PLANNED	9/20/2018	3	225	75
PLANNED	9/20/2018	78	10,530	135
PLANNED	9/20/2018	4	112	28
CUSTOMER REQUEST	9/20/2018	8	1,168	146
CUSTOMER REQUEST	9/20/2018	5	480	96
PLANNED	9/20/2018	1	4	4
PLANNED	9/20/2018	4	112	28
PLANNED	9/20/2018	8	720	90
CUSTOMER REQUEST	9/20/2018	12	1,788	149
PLANNED	9/20/2018	2	176	88
PLANNED	9/20/2018	4	184	46
PLANNED	9/20/2018	7	329	47
PLANNED	9/20/2018	6	894	149
PLANNED	9/20/2018	6	84	14
PLANNED	9/20/2018	38	76	2
PLANNED	9/20/2018	7	357	51
PLANNED	9/20/2018	3	792	264
PLANNED	9/20/2018	17	51	3
PLANNED	9/20/2018	8	456	57
PLANNED	9/20/2018	6	420	70
PLANNED	9/20/2018	8	560	70
PLANNED	9/20/2018	1	27	27
CUSTOMER REQUEST	9/20/2018	22	3,036	138
CUSTOMER REQUEST	9/20/2018	15	6,300	420
PLANNED	9/20/2018	11	627	57
CUSTOMER REQUEST	9/20/2018	11	1,463	133
CUSTOMER REQUEST	9/20/2018	3	483	161
CUSTOMER REQUEST	9/20/2018	3	612	204
PLANNED	9/20/2018	4	348	87
PLANNED	9/20/2018	8	312	39
PLANNED	9/20/2018	4	128	32
CUSTOMER REQUEST	9/20/2018	25	850	34

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/20/2018	2	222	111
PLANNED	9/20/2018	2	224	112
PLANNED	9/20/2018	94	15,698	167
PLANNED	9/20/2018	115	19,320	168
PLANNED	9/20/2018	2	102	51
PLANNED	9/20/2018	49	7,987	163
PLANNED	9/20/2018	75	12,150	162
PLANNED	9/20/2018	43	6,751	157
PLANNED	9/20/2018	5	305	61
PLANNED	9/20/2018	8	168	21
PLANNED	9/20/2018	1	67	67
PLANNED	9/20/2018	10	1,094	239
PLANNED	9/20/2018	15	195	13
PLANNED	9/20/2018	1	20	20
PLANNED	9/20/2018	37	74	2
PLANNED	9/20/2018	2	38	19
PLANNED	9/20/2018	10	1,330	133
PLANNED	9/20/2018	12	1,740	145
PLANNED	9/20/2018	1	209	209
PLANNED	9/20/2018	8	360	45
PLANNED	9/20/2018	39	6,591	169
PLANNED	9/20/2018	7	595	85
PLANNED	9/20/2018	9	2,745	305
PLANNED	9/20/2018	4	1,072	268
CUSTOMER REQUEST	9/20/2018	14	868	62
PLANNED	9/20/2018	2	190	95
PLANNED	9/20/2018	8	400	50
PLANNED	9/20/2018	2	94	47
PLANNED	9/20/2018	8	48	6
PLANNED	9/20/2018	11	693	63
PLANNED	9/20/2018	1	2	2
PLANNED	9/20/2018	3	243	81
PLANNED	9/20/2018	4	340	85
PLANNED	9/20/2018	3	348	116
PLANNED	9/20/2018	4	148	37
PLANNED	9/20/2018	2	270	135
PLANNED	9/20/2018	2	266	133
PLANNED	9/20/2018	1	33	33
PLANNED	9/20/2018	11	396	36
PLANNED	9/20/2018	30	330	11
PLANNED	9/20/2018	6	804	134
PLANNED	9/20/2018	1	112	112
PLANNED	9/20/2018	1	45	45
PLANNED	9/20/2018	2	142	71
PLANNED	9/20/2018	3	300	100
PLANNED	9/20/2018	8	1,040	130
PLANNED	9/20/2018	10	1,960	196
PLANNED	9/21/2018	1	105	105
PLANNED	9/21/2018	4	1,132	283
PLANNED	9/21/2018	1	114	114
PLANNED	9/21/2018	6	3,648	608

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/21/2018	2	76	38
PLANNED	9/21/2018	3	141	47
PLANNED	9/21/2018	1	35	35
PLANNED	9/21/2018	4	52	13
PLANNED	9/21/2018	4	80	20
PLANNED	9/21/2018	6	282	47
PLANNED	9/21/2018	11	330	30
PLANNED	9/21/2018	1	155	155
PLANNED	9/21/2018	2	76	38
PLANNED	9/21/2018	2	148	74
CUSTOMER REQUEST	9/21/2018	19	1,615	85
PLANNED	9/21/2018	6	870	145
CUSTOMER REQUEST	9/21/2018	20	3,720	186
CUSTOMER REQUEST	9/21/2018	25	7,475	299
PLANNED	9/21/2018	1	146	146
PLANNED	9/21/2018	1	77	77
PLANNED	9/21/2018	8	192	24
PLANNED	9/21/2018	6	138	23
PLANNED	9/21/2018	1	328	328
PLANNED	9/21/2018	2	114	57
PLANNED	9/21/2018	12	384	32
PLANNED	9/21/2018	5	605	121
PLANNED	9/21/2018	1	94	94
PLANNED	9/21/2018	62	13,516	218
PLANNED	9/21/2018	1	186	186
PLANNED	9/21/2018	4	16	4
PLANNED	9/21/2018	1	147	147
PLANNED	9/21/2018	2	464	232
PLANNED	9/21/2018	2	182	91
PLANNED	9/21/2018	4	528	132
PLANNED	9/21/2018	1	178	178
PLANNED	9/21/2018	2	282	141
PLANNED	9/21/2018	8	240	30
PLANNED	9/21/2018	31	2,759	89
PLANNED	9/21/2018	2	358	179
PLANNED	9/21/2018	3	33	11
PLANNED	9/21/2018	9	72	8
PLANNED	9/21/2018	2	198	99
PLANNED	9/21/2018	1	158	158
PLANNED	9/21/2018	10	750	75
PLANNED	9/21/2018	2	66	33
PLANNED	9/21/2018	4	208	52
PLANNED	9/21/2018	7	280	40
CUSTOMER REQUEST	9/21/2018	18	1,638	91
PLANNED	9/21/2018	3	189	63
PLANNED	9/21/2018	5	492	153
PLANNED	9/21/2018	5	115	23
PLANNED	9/21/2018	19	1,900	100
PLANNED	9/21/2018	7	266	38
PLANNED	9/21/2018	12	48	4
PLANNED	9/21/2018	5	65	13

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/21/2018	8	160	20
PLANNED	9/21/2018	14	56	4
PLANNED	9/21/2018	6	666	111
PLANNED	9/21/2018	14	28	2
PLANNED	9/21/2018	26	1,040	40
PLANNED	9/21/2018	12	36	3
PLANNED	9/21/2018	1	206	206
PLANNED	9/22/2018	4	1,132	283
PLANNED	9/22/2018	3	858	286
PLANNED	9/22/2018	3	126	42
PLANNED	9/22/2018	2	286	143
PLANNED	9/23/2018	1	289	289
PLANNED	9/23/2018	3	1,749	583
PLANNED	9/23/2018	1	203	203
PLANNED	9/23/2018	7	1,463	209
PLANNED	9/23/2018	3	276	92
PLANNED	9/23/2018	19	1,102	58
PLANNED	9/23/2018	1	51	51
PLANNED	9/23/2018	2	270	135
PLANNED	9/23/2018	7	469	67
PLANNED	9/23/2018	3	12	4
PLANNED	9/23/2018	5	115	23
PLANNED	9/23/2018	1	52	52
PLANNED	9/23/2018	2	96	48
PLANNED	9/23/2018	17	1,785	105
PLANNED	9/23/2018	1	63	63
CUSTOMER REQUEST	9/23/2018	2,330	11,650	5
CUSTOMER REQUEST	9/24/2018	2,305	20,285	13
PLANNED	9/24/2018	1	16	16
PLANNED	9/24/2018	6	186	31
PLANNED	9/24/2018	1	102	102
PLANNED	9/24/2018	11	2,189	199
PLANNED	9/24/2018	2	398	199
PLANNED	9/24/2018	1	48	48
PLANNED	9/24/2018	4	208	52
PLANNED	9/24/2018	5	30	6
PLANNED	9/24/2018	3	435	145
PLANNED	9/24/2018	1	187	187
PLANNED	9/24/2018	1	1	903
PLANNED	9/24/2018	12	984	82
PLANNED	9/24/2018	1	65	65
PLANNED	9/24/2018	8	232	29
PLANNED	9/24/2018	9	1,377	153
CUSTOMER REQUEST	9/24/2018	1	21	21
PLANNED	9/24/2018	3	669	223
PLANNED	9/24/2018	5	75	15
PLANNED	9/24/2018	80	1,352	88
PLANNED	9/24/2018	2	134	67
PLANNED	9/24/2018	9	684	76
PLANNED	9/24/2018	9	684	76
PLANNED	9/24/2018	1	216	216

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/24/2018	1	104	104
PLANNED	9/24/2018	3	423	141
PLANNED	9/24/2018	1	26	26
PLANNED	9/24/2018	33	5,247	159
CUSTOMER REQUEST	9/24/2018	8	24	3
CUSTOMER REQUEST	9/24/2018	31	15,903	513
PLANNED	9/24/2018	7	1,036	148
PLANNED	9/24/2018	6	720	120
PLANNED	9/24/2018	1	117	117
CUSTOMER REQUEST	9/24/2018	1	132	132
PLANNED	9/24/2018	2	102	51
PLANNED	9/24/2018	5	855	171
PLANNED	9/24/2018	12	108	9
CUSTOMER REQUEST	9/24/2018	4	60	15
PLANNED	9/24/2018	8	296	37
PLANNED	9/24/2018	4	172	43
PLANNED	9/24/2018	4	156	39
PLANNED	9/24/2018	6	366	61
PLANNED	9/24/2018	1	337	337
PLANNED	9/24/2018	2	50	25
PLANNED	9/24/2018	4	488	122
PLANNED	9/24/2018	4	216	54
PLANNED	9/24/2018	4	280	70
PLANNED	9/24/2018	1	64	64
PLANNED	9/24/2018	1	213	213
PLANNED	9/24/2018	16	672	42
PLANNED	9/24/2018	20	1,960	98
PLANNED	9/24/2018	3	288	96
PLANNED	9/24/2018	4	856	214
PLANNED	9/24/2018	4	72	31
CUSTOMER REQUEST	9/24/2018	4	260	65
PLANNED	9/24/2018	2	540	270
CUSTOMER REQUEST	9/24/2018	1	561	561
PLANNED	9/24/2018	8	600	75
PLANNED	9/24/2018	3	246	82
PLANNED	9/24/2018	7	56	8
CUSTOMER REQUEST	9/24/2018	8	360	45
CUSTOMER REQUEST	9/24/2018	11	88	8
PLANNED	9/24/2018	1	89	89
PLANNED	9/24/2018	1	99	99
PLANNED	9/24/2018	6	438	73
CUSTOMER REQUEST	9/24/2018	4	464	116
PLANNED	9/24/2018	51	6,630	130
PLANNED	9/24/2018	2	234	117
CUSTOMER REQUEST	9/24/2018	1	163	163
PLANNED	9/24/2018	1	317	317
PLANNED	9/24/2018	1	223	223
PLANNED	9/24/2018	1	71	71
CUSTOMER REQUEST	9/24/2018	8	64	8
PLANNED	9/24/2018	3	138	46
PLANNED	9/24/2018	1	126	126

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/24/2018	5	455	91
PLANNED	9/24/2018	5	70	14
PLANNED	9/24/2018	1	133	133
PLANNED	9/24/2018	6	228	38
PLANNED	9/24/2018	2	244	122
PLANNED	9/24/2018	3	333	111
PLANNED	9/24/2018	6	198	33
PLANNED	9/24/2018	10	1,210	121
PLANNED	9/24/2018	6	492	82
CUSTOMER REQUEST	9/24/2018	1	53	53
PLANNED	9/24/2018	8	24	3
PLANNED	9/24/2018	1	94	94
CUSTOMER REQUEST	9/24/2018	1	133	133
PLANNED	9/25/2018	1	88	88
PLANNED	9/25/2018	1	83	83
PLANNED	9/25/2018	2	392	196
PLANNED	9/25/2018	14	1,904	136
PLANNED	9/25/2018	25	2,675	107
CUSTOMER REQUEST	9/25/2018	3	399	133
CUSTOMER REQUEST	9/25/2018	4	532	133
CUSTOMER REQUEST	9/25/2018	5	665	133
CUSTOMER REQUEST	9/25/2018	1	252	252
PLANNED	9/25/2018	7	644	92
PLANNED	9/25/2018	1	70	70
PLANNED	9/25/2018	18	1,368	76
PLANNED	9/25/2018	2	342	171
PLANNED	9/25/2018	3	138	46
CUSTOMER REQUEST	9/25/2018	13	4,446	342
PLANNED	9/25/2018	13	221	17
PLANNED	9/25/2018	2	80	40
PLANNED	9/25/2018	158	17,538	111
PLANNED	9/25/2018	4	280	70
PLANNED	9/25/2018	1	222	222
PLANNED	9/25/2018	8	216	27
PLANNED	9/25/2018	1	38	38
PLANNED	9/25/2018	8	928	116
PLANNED	9/25/2018	4	300	75
PLANNED	9/25/2018	2	314	157
PLANNED	9/25/2018	1	40	40
PLANNED	9/25/2018	7	1,211	173
PLANNED	9/25/2018	8	1,008	126
PLANNED	9/25/2018	1	47	47
PLANNED	9/25/2018	4	716	179
PLANNED	9/25/2018	10	584	220
PLANNED	9/25/2018	4	256	64
PLANNED	9/25/2018	3	132	44
PLANNED	9/25/2018	4	220	55
CUSTOMER REQUEST	9/25/2018	3	192	64
PLANNED	9/25/2018	7	812	116
PLANNED	9/25/2018	18	2,142	119
PLANNED	9/25/2018	6	390	65

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/25/2018	3	198	66
PLANNED	9/25/2018	6	420	70
PLANNED	9/25/2018	11	1,067	97
PLANNED	9/25/2018	1	102	102
PLANNED	9/25/2018	15	1,050	70
CUSTOMER REQUEST	9/25/2018	6	24	4
PLANNED	9/25/2018	1	285	285
PLANNED	9/25/2018	6	1,338	223
CUSTOMER REQUEST	9/25/2018	16	144	9
PLANNED	9/25/2018	6	18	3
PLANNED	9/25/2018	1	140	140
PLANNED	9/25/2018	12	468	39
PLANNED	9/25/2018	2	172	86
PLANNED	9/25/2018	2	86	43
PLANNED	9/25/2018	9	1,008	112
PLANNED	9/25/2018	13	1,105	85
PLANNED	9/25/2018	6	288	48
PLANNED	9/25/2018	10	3,760	376
CUSTOMER REQUEST	9/25/2018	3	87	29
PLANNED	9/25/2018	4	712	178
CUSTOMER REQUEST	9/25/2018	1	264	264
PLANNED	9/25/2018	13	2,158	166
PLANNED	9/25/2018	9	72	8
PLANNED	9/25/2018	1	49	49
PLANNED	9/25/2018	4	96	24
PLANNED	9/25/2018	1	169	169
PLANNED	9/25/2018	21	168	8
CUSTOMER REQUEST	9/25/2018	11	66	6
PLANNED	9/25/2018	4	116	29
PLANNED	9/25/2018	26	1,092	42
PLANNED	9/25/2018	32	8,640	270
PLANNED	9/25/2018	18	3,456	192
CUSTOMER REQUEST	9/25/2018	1	225	225
PLANNED	9/25/2018	7	210	30
PLANNED	9/25/2018	16	832	52
PLANNED	9/25/2018	6	348	58
CUSTOMER REQUEST	9/25/2018	89	4,361	49
PLANNED	9/25/2018	2	80	40
PLANNED	9/25/2018	1	228	228
PLANNED	9/25/2018	6	96	16
PLANNED	9/25/2018	8	1,104	138
PLANNED	9/25/2018	7	1,043	149
PLANNED	9/25/2018	9	108	12
PLANNED	9/25/2018	6	198	33
PLANNED	9/25/2018	167	3,674	22
PLANNED	9/25/2018	5	770	154
PLANNED	9/25/2018	7	161	23
PLANNED	9/25/2018	8	184	23
PLANNED	9/25/2018	4	484	121
PLANNED	9/25/2018	2	328	164
PLANNED	9/25/2018	4	12	3

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/25/2018	2	132	66
CUSTOMER REQUEST	9/25/2018	6	342	57
PLANNED	9/25/2018	31	1,457	47
PLANNED	9/25/2018	7	1,351	193
PLANNED	9/25/2018	3	141	47
PLANNED	9/25/2018	2	126	63
CUSTOMER REQUEST	9/25/2018	1	36	36
PLANNED	9/25/2018	3	174	58
PLANNED	9/25/2018	7	525	75
PLANNED	9/25/2018	6	198	33
PLANNED	9/25/2018	1	70	70
PLANNED	9/25/2018	2	118	59
PLANNED	9/25/2018	2	34	17
CUSTOMER REQUEST	9/25/2018	1,779	58,707	33
PLANNED	9/25/2018	5	315	63
PLANNED	9/25/2018	10	370	37
PLANNED	9/25/2018	1	79	79
PLANNED	9/25/2018	2	326	163
PLANNED	9/25/2018	1	64	64
PLANNED	9/25/2018	3	168	56
PLANNED	9/25/2018	1	116	116
PLANNED	9/26/2018	2	234	117
PLANNED	9/26/2018	1	30	30
PLANNED	9/26/2018	5	295	59
PLANNED	9/26/2018	1	78	78
PLANNED	9/26/2018	1	44	44
PLANNED	9/26/2018	4	500	125
PLANNED	9/26/2018	2	170	85
CUSTOMER REQUEST	9/26/2018	1	1,997	1,997
PLANNED	9/26/2018	1	25	25
PLANNED	9/26/2018	4	192	48
PLANNED	9/26/2018	5	320	64
PLANNED	9/26/2018	1	111	111
PLANNED	9/26/2018	12	1,008	84
PLANNED	9/26/2018	4	140	35
PLANNED	9/26/2018	2	78	39
PLANNED	9/26/2018	9	477	53
PLANNED	9/26/2018	1	90	90
PLANNED	9/26/2018	11	3,322	302
PLANNED	9/26/2018	2	72	36
PLANNED	9/26/2018	3	27	9
PLANNED	9/26/2018	13	2,067	159
PLANNED	9/26/2018	1	18	18
PLANNED	9/26/2018	3	348	116
PLANNED	9/26/2018	2	116	58
PLANNED	9/26/2018	5	775	155
PLANNED	9/26/2018	14	2,212	158
PLANNED	9/26/2018	2	58	29
PLANNED	9/26/2018	2	102	51
PLANNED	9/26/2018	4	24	6
PLANNED	9/26/2018	3	481	205

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/26/2018	21	2,730	130
CUSTOMER REQUEST	9/26/2018	9	594	66
PLANNED	9/26/2018	1	13	13
CUSTOMER REQUEST	9/26/2018	2,921	55,499	19
PLANNED	9/26/2018	6	906	151
PLANNED	9/26/2018	1	42	42
CUSTOMER REQUEST	9/26/2018	3,362	87,412	26
PLANNED	9/26/2018	6	180	30
CUSTOMER REQUEST	9/26/2018	7	35	5
PLANNED	9/26/2018	1	123	123
PLANNED	9/26/2018	8	1,872	234
PLANNED	9/26/2018	1	149	149
PLANNED	9/26/2018	119	9,877	83
PLANNED	9/26/2018	1	164	164
PLANNED	9/26/2018	3	459	153
PLANNED	9/26/2018	6	402	67
PLANNED	9/26/2018	1	89	89
PLANNED	9/26/2018	6	936	156
PLANNED	9/26/2018	11	1,309	119
PLANNED	9/26/2018	37	9,879	267
PLANNED	9/26/2018	8	272	34
PLANNED	9/26/2018	7	1,925	275
PLANNED	9/26/2018	25	4,325	173
PLANNED	9/26/2018	13	559	43
PLANNED	9/26/2018	1	76	76
PLANNED	9/26/2018	11	1,061	351
PLANNED	9/26/2018	1	152	152
PLANNED	9/26/2018	1	9	9
PLANNED	9/26/2018	7	623	89
PLANNED	9/26/2018	3	27	9
CUSTOMER REQUEST	9/26/2018	5	540	108
PLANNED	9/26/2018	25	5,075	203
PLANNED	9/26/2018	20	1,920	96
PLANNED	9/26/2018	6	396	66
PLANNED	9/26/2018	2	156	78
PLANNED	9/26/2018	3	156	52
PLANNED	9/26/2018	1	145	145
PLANNED	9/26/2018	6	318	53
PLANNED	9/26/2018	8	3,376	422
PLANNED	9/26/2018	3	159	53
PLANNED	9/26/2018	9	162	18
PLANNED	9/26/2018	3	39	13
PLANNED	9/26/2018	2	8	4
PLANNED	9/26/2018	4	720	180
PLANNED	9/26/2018	10	1,150	115
PLANNED	9/26/2018	18	270	15
PLANNED	9/26/2018	7	294	42
PLANNED	9/26/2018	2	32	16
PLANNED	9/26/2018	1	20	20
CUSTOMER REQUEST	9/26/2018	7	490	70
PLANNED	9/26/2018	2	2	1

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/26/2018	5	595	119
PLANNED	9/26/2018	3	201	67
PLANNED	9/26/2018	8	2,320	290
PLANNED	9/26/2018	7	2,030	290
PLANNED	9/26/2018	5	230	46
PLANNED	9/26/2018	5	270	54
PLANNED	9/26/2018	3	159	53
PLANNED	9/26/2018	3	138	46
PLANNED	9/26/2018	4	324	81
PLANNED	9/26/2018	5	875	175
PLANNED	9/26/2018	4	884	221
PLANNED	9/26/2018	1	128	128
PLANNED	9/26/2018	7	84	12
PLANNED	9/26/2018	6	402	67
PLANNED	9/26/2018	8	584	73
CUSTOMER REQUEST	9/26/2018	1	74	74
PLANNED	9/26/2018	4	340	85
PLANNED	9/26/2018	2	252	126
PLANNED	9/26/2018	11	462	42
PLANNED	9/26/2018	1	37	37
PLANNED	9/26/2018	4	804	201
PLANNED	9/26/2018	5	405	81
PLANNED	9/26/2018	7	238	34
PLANNED	9/26/2018	8	16	2
PLANNED	9/26/2018	2	208	104
CUSTOMER REQUEST	9/26/2018	4	76	19
CUSTOMER REQUEST	9/26/2018	1	373	373
PLANNED	9/26/2018	6	108	18
PLANNED	9/26/2018	1	43	43
CUSTOMER REQUEST	9/26/2018	61	854	14
PLANNED	9/26/2018	1	42	42
PLANNED	9/26/2018	3	165	55
PLANNED	9/26/2018	2	64	32
PLANNED	9/26/2018	2	138	69
PLANNED	9/26/2018	32	3,520	110
PLANNED	9/26/2018	14	952	68
PLANNED	9/26/2018	2	338	169
PLANNED	9/26/2018	6	1,014	169
PLANNED	9/26/2018	3	234	78
PLANNED	9/27/2018	1	160	160
PLANNED	9/27/2018	1	100	100
PLANNED	9/27/2018	1	66	66
PLANNED	9/27/2018	4	264	66
PLANNED	9/27/2018	4	260	65
PLANNED	9/27/2018	16	1,632	102
PLANNED	9/27/2018	3	408	136
CUSTOMER REQUEST	9/27/2018	2,719	95,165	35
PLANNED	9/27/2018	9	387	43
PLANNED	9/27/2018	1	86	86
PLANNED	9/27/2018	9	1,395	155
PLANNED	9/27/2018	1	44	44

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	9/27/2018	2	948	474
PLANNED	9/27/2018	6	996	166
PLANNED	9/27/2018	1	106	106
PLANNED	9/27/2018	1	72	72
PLANNED	9/27/2018	3	159	53
PLANNED	9/27/2018	6	414	69
PLANNED	9/27/2018	4	1,192	298
PLANNED	9/27/2018	1	69	69
PLANNED	9/27/2018	1	136	136
PLANNED	9/27/2018	2	180	90
PLANNED	9/27/2018	9	1,107	123
PLANNED	9/27/2018	109	13,625	125
PLANNED	9/27/2018	6	606	101
PLANNED	9/27/2018	6	720	120
PLANNED	9/27/2018	1	151	151
PLANNED	9/27/2018	8	1,200	150
PLANNED	9/27/2018	6	684	114
PLANNED	9/27/2018	3	159	53
PLANNED	9/27/2018	8	432	54
PLANNED	9/27/2018	11	594	54
PLANNED	9/27/2018	3	132	44
PLANNED	9/27/2018	25	2,950	118
PLANNED	9/27/2018	5	520	104
PLANNED	9/27/2018	1	294	294
PLANNED	9/27/2018	4	1,092	273
PLANNED	9/27/2018	4	116	29
PLANNED	9/27/2018	2	94	47
PLANNED	9/27/2018	1	40	40
CUSTOMER REQUEST	9/27/2018	9	9	1
PLANNED	9/27/2018	1	83	83
PLANNED	9/27/2018	4	40	10
PLANNED	9/27/2018	2	240	120
PLANNED	9/27/2018	3	201	67
PLANNED	9/27/2018	12	3,144	262
PLANNED	9/27/2018	12	2,700	225
PLANNED	9/27/2018	7	875	125
CUSTOMER REQUEST	9/27/2018	1	266	266
PLANNED	9/27/2018	18	1,872	104
PLANNED	9/27/2018	3	195	65
PLANNED	9/27/2018	5	345	69
PLANNED	9/27/2018	2	206	103
PLANNED	9/27/2018	2	38	19
PLANNED	9/27/2018	4	24	6
PLANNED	9/27/2018	14	938	67
PLANNED	9/27/2018	2	546	273
PLANNED	9/27/2018	1	79	79
CUSTOMER REQUEST	9/27/2018	6	18	3
PLANNED	9/27/2018	3	285	95
CUSTOMER REQUEST	9/27/2018	5	25	5
PLANNED	9/27/2018	1	74	74
PLANNED	9/27/2018	48	17,472	364

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/27/2018	2	152	76
PLANNED	9/27/2018	3	201	67
PLANNED	9/27/2018	3	87	29
PLANNED	9/27/2018	2	90	45
PLANNED	9/27/2018	3	63	21
PLANNED	9/27/2018	14	4,648	332
PLANNED	9/27/2018	1	140	140
PLANNED	9/27/2018	2	22	11
PLANNED	9/27/2018	5	60	12
PLANNED	9/27/2018	1	17	17
PLANNED	9/27/2018	1	81	81
PLANNED	9/27/2018	4	324	81
PLANNED	9/27/2018	1	170	170
PLANNED	9/27/2018	34	7,786	229
PLANNED	9/27/2018	4	324	81
PLANNED	9/27/2018	5	115	23
PLANNED	9/27/2018	2	252	126
CUSTOMER REQUEST	9/27/2018	1	186	186
PLANNED	9/27/2018	18	2,142	119
PLANNED	9/27/2018	3	381	127
CUSTOMER REQUEST	9/27/2018	8	24	3
PLANNED	9/27/2018	4	536	134
PLANNED	9/27/2018	7	959	137
PLANNED	9/27/2018	1	25	25
PLANNED	9/27/2018	14	3,080	220
PLANNED	9/27/2018	12	3,156	263
PLANNED	9/27/2018	1	23	23
PLANNED	9/27/2018	5	560	112
PLANNED	9/27/2018	3	192	64
PLANNED	9/27/2018	1	43	43
PLANNED	9/27/2018	8	616	77
PLANNED	9/27/2018	40	160	4
PLANNED	9/27/2018	14	2,156	154
PLANNED	9/27/2018	2	20	10
PLANNED	9/27/2018	8	528	66
PLANNED	9/27/2018	7	350	50
PLANNED	9/27/2018	2	86	43
PLANNED	9/27/2018	3	165	55
PLANNED	9/27/2018	1	62	62
PLANNED	9/27/2018	2	124	62
PLANNED	9/27/2018	14	2,394	171
PLANNED	9/27/2018	1	38	38
PLANNED	9/27/2018	7	1,092	156
PLANNED	9/27/2018	8	1,248	156
PLANNED	9/27/2018	2	296	148
PLANNED	9/27/2018	1	198	198
PLANNED	9/27/2018	2	128	64
PLANNED	9/27/2018	7	2,009	287
PLANNED	9/27/2018	1	134	134
PLANNED	9/27/2018	2	16	8
PLANNED	9/28/2018	6	1,770	295

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/28/2018	2	116	58
PLANNED	9/28/2018	1	81	81
PLANNED	9/28/2018	1	82	82
PLANNED	9/28/2018	4	356	89
PLANNED	9/28/2018	2	402	201
PLANNED	9/28/2018	3	228	76
PLANNED	9/28/2018	4	324	81
PLANNED	9/28/2018	1	60	60
PLANNED	9/28/2018	1	117	117
PLANNED	9/28/2018	11	726	66
PLANNED	9/28/2018	2	208	104
PLANNED	9/28/2018	3	204	68
PLANNED	9/28/2018	2	162	81
PLANNED	9/28/2018	3	825	275
PLANNED	9/28/2018	6	444	74
PLANNED	9/28/2018	8	840	105
PLANNED	9/28/2018	1	26	26
PLANNED	9/28/2018	1	49	49
PLANNED	9/28/2018	6	630	105
PLANNED	9/28/2018	5	595	119
CUSTOMER REQUEST	9/28/2018	16	2,048	128
PLANNED	9/28/2018	3	360	120
CUSTOMER REQUEST	9/28/2018	1	60	60
PLANNED	9/28/2018	4	436	109
PLANNED	9/28/2018	26	5,668	218
PLANNED	9/28/2018	1	194	194
PLANNED	9/28/2018	1	41	41
PLANNED	9/28/2018	1	122	122
PLANNED	9/28/2018	1	124	124
PLANNED	9/28/2018	1	117	117
PLANNED	9/28/2018	1	45	45
PLANNED	9/28/2018	1	48	48
PLANNED	9/28/2018	8	320	40
PLANNED	9/28/2018	5	210	42
PLANNED	9/28/2018	3	117	39
PLANNED	9/28/2018	2	86	43
PLANNED	9/28/2018	4	204	51
PLANNED	9/28/2018	17	1,037	61
PLANNED	9/28/2018	1	3	3
CUSTOMER REQUEST	9/28/2018	16	9,120	570
PLANNED	9/28/2018	2	40	20
PLANNED	9/28/2018	9	414	46
CUSTOMER REQUEST	9/28/2018	2	216	108
PLANNED	9/28/2018	6	360	60
PLANNED	9/28/2018	13	325	25
PLANNED	9/28/2018	7	385	55
PLANNED	9/28/2018	1	31	31
PLANNED	9/28/2018	1	253	253
PLANNED	9/28/2018	43	4,773	111
PLANNED	9/28/2018	2	170	85
PLANNED	9/28/2018	5	1,715	343

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/28/2018	14	406	29
PLANNED	9/28/2018	5	890	178
PLANNED	9/28/2018	4	40	10
PLANNED	9/28/2018	2	74	37
PLANNED	9/28/2018	2	62	31
PLANNED	9/28/2018	5	220	44
PLANNED	9/28/2018	12	168	14
PLANNED	9/28/2018	6	1,344	224
PLANNED	9/28/2018	1	60	60
PLANNED	9/28/2018	4	36	9
PLANNED	9/28/2018	4	476	119
PLANNED	9/28/2018	8	952	119
PLANNED	9/28/2018	3	366	122
PLANNED	9/28/2018	1	2	2
PLANNED	9/28/2018	5	160	32
PLANNED	9/28/2018	2	566	283
CUSTOMER REQUEST	9/28/2018	6	114	19
PLANNED	9/28/2018	1	43	43
CUSTOMER REQUEST	9/28/2018	1	17	17
PLANNED	9/28/2018	2	10	5
PLANNED	9/28/2018	1	59	59
PLANNED	9/28/2018	1	24	24
PLANNED	9/28/2018	1	134	134
PLANNED	9/28/2018	2	98	49
PLANNED	9/28/2018	2	174	87
PLANNED	9/28/2018	1	138	138
PLANNED	9/28/2018	1	54	54
PLANNED	9/29/2018	5	1,390	278
PLANNED	9/29/2018	2	132	66
PLANNED	9/29/2018	1	401	401
PLANNED	9/29/2018	1	196	196
PLANNED	9/29/2018	30	3,120	104
CUSTOMER REQUEST	9/29/2018	2	192	96
PLANNED	9/29/2018	1	41	41
PLANNED	9/29/2018	1	179	179
PLANNED	9/29/2018	1	228	228
PLANNED	9/29/2018	13	2,249	173
PLANNED	9/29/2018	3	135	45
PLANNED	9/29/2018	18	2,628	146
PLANNED	9/29/2018	1	98	98
PLANNED	9/29/2018	8	1,072	134
PLANNED	9/29/2018	1	149	149
PLANNED	9/29/2018	10	1,420	142
PLANNED	9/29/2018	1	378	378
PLANNED	9/30/2018	2	346	173
CUSTOMER REQUEST	9/30/2018	3	873	291
PLANNED	9/30/2018	3	45	15
PLANNED	9/30/2018	8	4,792	599
PLANNED	9/30/2018	1	615	615
PLANNED	9/30/2018	1	181	181
PLANNED	9/30/2018	13	2,366	182

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	9/30/2018	22	2,134	97
PLANNED	9/30/2018	5	1,855	371
PLANNED	9/30/2018	12	288	24
PLANNED	9/30/2018	2	318	159
PLANNED	9/30/2018	9	333	37
PLANNED	9/30/2018	2	422	211
PLANNED	10/1/2018	1	31	31
PLANNED	10/1/2018	1	502	502
PLANNED	10/1/2018	3	297	99
PLANNED	10/1/2018	8	744	93
CUSTOMER REQUEST	10/1/2018	29	1,363	47
PLANNED	10/1/2018	14	966	69
PLANNED	10/1/2018	2	140	70
PLANNED	10/1/2018	3	123	41
PLANNED	10/1/2018	5	310	62
PLANNED	10/1/2018	6	672	112
PLANNED	10/1/2018	2	128	64
PLANNED	10/1/2018	3	117	39
PLANNED	10/1/2018	1	471	471
PLANNED	10/1/2018	38	10,526	277
CUSTOMER REQUEST	10/1/2018	4	96	24
PLANNED	10/1/2018	5	620	124
CUSTOMER REQUEST	10/1/2018	15	1,140	76
PLANNED	10/1/2018	1	21	21
PLANNED	10/1/2018	2	268	134
PLANNED	10/1/2018	8	848	106
PLANNED	10/1/2018	1	149	149
PLANNED	10/1/2018	2	34	17
PLANNED	10/1/2018	148	1,036	7
PLANNED	10/1/2018	5	125	25
CUSTOMER REQUEST	10/1/2018	1	96	96
CUSTOMER REQUEST	10/1/2018	17	1,564	92
PLANNED	10/1/2018	7	1,470	210
PLANNED	10/1/2018	8	544	68
PLANNED	10/1/2018	37	8,658	234
PLANNED	10/1/2018	6	408	68
PLANNED	10/1/2018	8	112	14
PLANNED	10/1/2018	8	208	26
PLANNED	10/1/2018	10	70	7
PLANNED	10/1/2018	4	120	30
PLANNED	10/1/2018	2	154	77
PLANNED	10/1/2018	4	212	53
PLANNED	10/1/2018	2	214	107
PLANNED	10/1/2018	4	492	123
PLANNED	10/1/2018	23	3,841	167
PLANNED	10/1/2018	1	430	430
PLANNED	10/1/2018	2	112	56
CUSTOMER REQUEST	10/1/2018	10	120	12
CUSTOMER REQUEST	10/1/2018	12	396	33
PLANNED	10/1/2018	4	392	98
PLANNED	10/1/2018	4	400	100

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	10/1/2018	1	136	136
PLANNED	10/1/2018	38	1,330	35
PLANNED	10/1/2018	1	75	75
PLANNED	10/1/2018	5	310	62
PLANNED	10/1/2018	6	564	94
PLANNED	10/1/2018	2	54	27
PLANNED	10/1/2018	5	120	24
CUSTOMER REQUEST	10/1/2018	29	435	15
PLANNED	10/1/2018	1	18	18
PLANNED	10/1/2018	7	392	56
PLANNED	10/1/2018	3	249	83
PLANNED	10/1/2018	3	66	22
PLANNED	10/1/2018	6	402	67
PLANNED	10/1/2018	1	232	232
PLANNED	10/1/2018	1	189	189
PLANNED	10/1/2018	1	38	38
PLANNED	10/1/2018	4	132	33
PLANNED	10/1/2018	9	63	7
PLANNED	10/1/2018	1	88	88
PLANNED	10/1/2018	7	350	50
PLANNED	10/1/2018	5	20	4
CUSTOMER REQUEST	10/1/2018	15	285	19
PLANNED	10/1/2018	7	14	2
PLANNED	10/1/2018	4	200	50
PLANNED	10/1/2018	1	50	50
PLANNED	10/1/2018	22	616	28
PLANNED	10/1/2018	13	13,754	1,058
PLANNED	10/1/2018	19	4,313	227
PLANNED	10/1/2018	4	444	111
PLANNED	10/1/2018	7	28	4
PLANNED	10/1/2018	8	192	24
PLANNED	10/1/2018	1	108	108
PLANNED	10/1/2018	6	54	9
PLANNED	10/1/2018	2	242	121
CUSTOMER REQUEST	10/1/2018	1	130	130
PLANNED	10/1/2018	2	96	48
PLANNED	10/1/2018	4	196	49
PLANNED	10/1/2018	1	121	121
PLANNED	10/1/2018	12	600	50
PLANNED	10/1/2018	4	36	9
PLANNED	10/1/2018	14	1,624	116
PLANNED	10/1/2018	2	264	132
PLANNED	10/1/2018	5	1,175	235
PLANNED	10/1/2018	3	42	14
PLANNED	10/2/2018	12	1,992	166
PLANNED	10/2/2018	8	1,312	164
PLANNED	10/2/2018	20	1,780	89
PLANNED	10/2/2018	30	2,280	76
PLANNED	10/2/2018	1	122	122
CUSTOMER REQUEST	10/2/2018	1	318	318
PLANNED	10/2/2018	2	294	147

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	10/2/2018	8	248	31
PLANNED	10/2/2018	5	330	66
PLANNED	10/2/2018	2	370	185
PLANNED	10/2/2018	2	414	207
PLANNED	10/2/2018	17	527	31
PLANNED	10/2/2018	4	87	84
PLANNED	10/2/2018	1	103	103
PLANNED	10/2/2018	1	59	59
CUSTOMER REQUEST	10/2/2018	8	56	7
CUSTOMER REQUEST	10/2/2018	18	1,188	66
PLANNED	10/2/2018	40	5,440	136
PLANNED	10/2/2018	2	60	30
PLANNED	10/2/2018	1	119	119
PLANNED	10/2/2018	25	2,675	107
CUSTOMER REQUEST	10/2/2018	1	109	109
PLANNED	10/2/2018	2	250	125
PLANNED	10/2/2018	13	1,781	137
PLANNED	10/2/2018	2	290	145
CUSTOMER REQUEST	10/2/2018	6	156	26
PLANNED	10/2/2018	1	274	274
PLANNED	10/2/2018	1	53	53
PLANNED	10/2/2018	4	164	41
PLANNED	10/2/2018	2	256	128
PLANNED	10/2/2018	1	107	107
PLANNED	10/2/2018	3	246	82
PLANNED	10/2/2018	5	510	102
PLANNED	10/2/2018	6	492	82
PLANNED	10/2/2018	8	296	37
PLANNED	10/2/2018	6	552	92
PLANNED	10/2/2018	3	111	37
PLANNED	10/2/2018	15	1,410	94
PLANNED	10/2/2018	2	1,162	581
PLANNED	10/2/2018	15	960	64
PLANNED	10/2/2018	2	712	356
PLANNED	10/2/2018	4	912	228
PLANNED	10/2/2018	8	1,312	164
PLANNED	10/2/2018	11	275	25
PLANNED	10/2/2018	6	1,818	303
PLANNED	10/2/2018	8	256	32
PLANNED	10/2/2018	1	344	344
PLANNED	10/2/2018	4	608	152
CUSTOMER REQUEST	10/2/2018	6	246	41
PLANNED	10/2/2018	127	17,018	134
PLANNED	10/2/2018	6	300	50
CUSTOMER REQUEST	10/2/2018	10	1,970	197
PLANNED	10/2/2018	7	371	53
PLANNED	10/2/2018	9	171	19
PLANNED	10/2/2018	46	5,796	126
PLANNED	10/2/2018	3	105	35
PLANNED	10/2/2018	1	42	42
PLANNED	10/2/2018	4	1,236	309

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/2/2018	1	55	55
PLANNED	10/2/2018	6	684	114
PLANNED	10/2/2018	3	51	17
PLANNED	10/2/2018	2	470	235
PLANNED	10/2/2018	7	210	30
PLANNED	10/2/2018	7	595	85
PLANNED	10/2/2018	25	1,500	60
PLANNED	10/2/2018	1	63	63
PLANNED	10/2/2018	1	7	7
PLANNED	10/2/2018	2	166	83
PLANNED	10/2/2018	6	768	128
CUSTOMER REQUEST	10/2/2018	7	105	15
PLANNED	10/2/2018	3	147	49
PLANNED	10/2/2018	41	5,494	134
PLANNED	10/2/2018	1	239	239
CUSTOMER REQUEST	10/2/2018	3,051	51,867	17
CUSTOMER REQUEST	10/2/2018	2,994	68,862	23
PLANNED	10/2/2018	5	190	38
PLANNED	10/2/2018	7	1,750	250
CUSTOMER REQUEST	10/2/2018	17	663	39
PLANNED	10/2/2018	20	620	31
PLANNED	10/2/2018	6	168	28
PLANNED	10/2/2018	6	342	57
PLANNED	10/2/2018	22	1,606	73
CUSTOMER REQUEST	10/2/2018	6	156	26
PLANNED	10/2/2018	1	60	60
PLANNED	10/2/2018	4	72	18
PLANNED	10/2/2018	8	312	39
PLANNED	10/2/2018	5	35	7
PLANNED	10/2/2018	5	305	61
PLANNED	10/2/2018	2	182	91
PLANNED	10/2/2018	16	704	44
PLANNED	10/2/2018	1	33	33
PLANNED	10/2/2018	15	1,740	116
PLANNED	10/2/2018	1	220	220
PLANNED	10/2/2018	33	1,650	50
PLANNED	10/2/2018	9	369	41
PLANNED	10/2/2018	6	282	47
PLANNED	10/2/2018	1	39	39
PLANNED	10/2/2018	2	262	131
PLANNED	10/2/2018	6	702	117
PLANNED	10/2/2018	1	37	37
PLANNED	10/2/2018	1	92	92
PLANNED	10/2/2018	1	421	421
PLANNED	10/2/2018	6	2,046	341
PLANNED	10/2/2018	1	121	121
PLANNED	10/3/2018	7	560	80
PLANNED	10/3/2018	26	4,784	184
PLANNED	10/3/2018	1	43	43
PLANNED	10/3/2018	1	82	82
PLANNED	10/3/2018	1	50	50

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/3/2018	2	288	144
PLANNED	10/3/2018	2	36	18
PLANNED	10/3/2018	5	610	122
PLANNED	10/3/2018	9	1,530	170
PLANNED	10/3/2018	3	60	20
PLANNED	10/3/2018	9	837	93
PLANNED	10/3/2018	1	84	84
PLANNED	10/3/2018	4	176	44
PLANNED	10/3/2018	1	196	196
PLANNED	10/3/2018	7	84	12
PLANNED	10/3/2018	1	30	30
PLANNED	10/3/2018	4	252	63
PLANNED	10/3/2018	81	13,851	171
PLANNED	10/3/2018	8	1,280	160
PLANNED	10/3/2018	2	98	49
PLANNED	10/3/2018	11	583	53
PLANNED	10/3/2018	4	512	128
CUSTOMER REQUEST	10/3/2018	35	15,435	441
PLANNED	10/3/2018	12	5,496	458
CUSTOMER REQUEST	10/3/2018	6	672	112
CUSTOMER REQUEST	10/3/2018	69	29,118	422
PLANNED	10/3/2018	15	900	60
PLANNED	10/3/2018	7	882	126
PLANNED	10/3/2018	2	82	41
PLANNED	10/3/2018	2	300	150
PLANNED	10/3/2018	1	59	59
PLANNED	10/3/2018	1	33	33
PLANNED	10/3/2018	1	16	16
PLANNED	10/3/2018	1	213	213
PLANNED	10/3/2018	3	141	47
PLANNED	10/3/2018	2	152	76
PLANNED	10/3/2018	2	82	41
PLANNED	10/3/2018	11	1,045	95
PLANNED	10/3/2018	3	81	27
PLANNED	10/3/2018	1	46	46
PLANNED	10/3/2018	9	441	49
PLANNED	10/3/2018	7	350	50
PLANNED	10/3/2018	2	422	211
PLANNED	10/3/2018	4	220	55
PLANNED	10/3/2018	3	132	44
PLANNED	10/3/2018	14	826	59
PLANNED	10/3/2018	7	511	73
PLANNED	10/3/2018	4	524	131
PLANNED	10/3/2018	5	465	93
PLANNED	10/3/2018	5	320	64
PLANNED	10/3/2018	18	864	48
PLANNED	10/3/2018	7	882	126
PLANNED	10/3/2018	2	248	124
PLANNED	10/3/2018	5	5	1
PLANNED	10/3/2018	45	21,060	468
PLANNED	10/3/2018	1	48	48

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/3/2018	8	536	67
PLANNED	10/3/2018	1	27	27
PLANNED	10/3/2018	4	284	71
PLANNED	10/3/2018	8	288	36
PLANNED	10/3/2018	5	230	46
PLANNED	10/3/2018	7	861	123
PLANNED	10/3/2018	61	19,154	314
CUSTOMER REQUEST	10/3/2018	3	417	139
PLANNED	10/3/2018	8	792	99
PLANNED	10/3/2018	4	60	15
PLANNED	10/3/2018	3	78	26
PLANNED	10/3/2018	6	546	91
PLANNED	10/3/2018	6	714	119
CUSTOMER REQUEST	10/3/2018	1	399	399
PLANNED	10/3/2018	6	2,238	373
PLANNED	10/3/2018	4	1,492	373
PLANNED	10/3/2018	3	90	30
PLANNED	10/3/2018	4	248	62
PLANNED	10/3/2018	6	306	51
PLANNED	10/3/2018	8	224	28
PLANNED	10/3/2018	6	264	44
PLANNED	10/3/2018	12	12	1
CUSTOMER REQUEST	10/3/2018	1	49	49
CUSTOMER REQUEST	10/3/2018	27	135	5
PLANNED	10/3/2018	2	120	60
PLANNED	10/3/2018	3	78	26
PLANNED	10/3/2018	6	924	154
PLANNED	10/3/2018	8	1,072	134
PLANNED	10/3/2018	10	1,310	131
PLANNED	10/3/2018	2	120	60
PLANNED	10/3/2018	4	128	32
PLANNED	10/3/2018	2	84	42
PLANNED	10/3/2018	6	642	107
PLANNED	10/3/2018	6	288	48
PLANNED	10/3/2018	6	156	26
PLANNED	10/3/2018	3	57	19
CUSTOMER REQUEST	10/3/2018	3	51	17
PLANNED	10/3/2018	8	480	60
CUSTOMER REQUEST	10/3/2018	1	151	151
PLANNED	10/3/2018	1	43	43
PLANNED	10/3/2018	1	30	30
PLANNED	10/3/2018	10	2,910	291
CUSTOMER REQUEST	10/3/2018	1	69	69
PLANNED	10/3/2018	11	704	64
PLANNED	10/3/2018	2	44	22
PLANNED	10/3/2018	1	122	122
PLANNED	10/3/2018	20	240	12
PLANNED	10/3/2018	2	24	12
PLANNED	10/3/2018	8	88	11
PLANNED	10/3/2018	14	154	11
CUSTOMER REQUEST	10/3/2018	69	3,864	56

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/3/2018	2	74	37
PLANNED	10/3/2018	2	96	48
PLANNED	10/3/2018	7	196	28
CUSTOMER REQUEST	10/3/2018	1	244	244
PLANNED	10/3/2018	8	296	37
CUSTOMER REQUEST	10/3/2018	1	72	72
PLANNED	10/3/2018	14	2,730	195
PLANNED	10/3/2018	1	64	64
PLANNED	10/3/2018	5	535	107
PLANNED	10/3/2018	3	351	117
PLANNED	10/3/2018	1	307	307
PLANNED	10/4/2018	1	1	1
PLANNED	10/4/2018	11	1,353	123
PLANNED	10/4/2018	6	1,314	219
PLANNED	10/4/2018	2	228	114
PLANNED	10/4/2018	7	280	40
PLANNED	10/4/2018	6	882	147
PLANNED	10/4/2018	8	264	33
PLANNED	10/4/2018	6	396	66
PLANNED	10/4/2018	2	134	67
PLANNED	10/4/2018	8	264	33
PLANNED	10/4/2018	3	198	66
PLANNED	10/4/2018	6	204	34
PLANNED	10/4/2018	2	224	112
PLANNED	10/4/2018	1	142	142
PLANNED	10/4/2018	1	39	39
PLANNED	10/4/2018	5	1,085	217
PLANNED	10/4/2018	9	477	53
PLANNED	10/4/2018	1	98	98
PLANNED	10/4/2018	6	174	29
PLANNED	10/4/2018	7	140	20
PLANNED	10/4/2018	11	792	72
PLANNED	10/4/2018	1	53	53
CUSTOMER REQUEST	10/4/2018	1	95	95
PLANNED	10/4/2018	7	35	5
PLANNED	10/4/2018	6	714	119
PLANNED	10/4/2018	6	630	105
PLANNED	10/4/2018	1	135	135
PLANNED	10/4/2018	12	648	54
PLANNED	10/4/2018	10	1,250	125
PLANNED	10/4/2018	4	4	1
PLANNED	10/4/2018	7	385	55
PLANNED	10/4/2018	8	632	79
PLANNED	10/4/2018	1	20	20
PLANNED	10/4/2018	1	29	29
PLANNED	10/4/2018	8	336	42
PLANNED	10/4/2018	4	20	5
PLANNED	10/4/2018	7	1,197	171
PLANNED	10/4/2018	1	28	28
PLANNED	10/4/2018	2	12	6
PLANNED	10/4/2018	2	54	27

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/4/2018	19	1,596	84
PLANNED	10/4/2018	2	54	27
PLANNED	10/4/2018	3	300	100
PLANNED	10/4/2018	4	396	99
PLANNED	10/4/2018	7	952	136
PLANNED	10/4/2018	6	234	39
PLANNED	10/4/2018	16	304	19
PLANNED	10/4/2018	2	82	41
PLANNED	10/4/2018	8	192	24
PLANNED	10/4/2018	3	66	22
CUSTOMER REQUEST	10/4/2018	3	1,371	457
PLANNED	10/4/2018	3	312	104
CUSTOMER REQUEST	10/4/2018	1	27	27
PLANNED	10/4/2018	9	531	59
PLANNED	10/4/2018	9	351	39
PLANNED	10/4/2018	8	904	113
PLANNED	10/4/2018	2	188	94
PLANNED	10/4/2018	8	336	42
PLANNED	10/4/2018	11	3,025	275
PLANNED	10/4/2018	7	413	59
PLANNED	10/4/2018	3	159	53
PLANNED	10/4/2018	5	120	24
PLANNED	10/4/2018	1	126	126
PLANNED	10/4/2018	2	142	71
PLANNED	10/4/2018	8	72	9
PLANNED	10/4/2018	3	126	42
PLANNED	10/4/2018	7	133	19
PLANNED	10/4/2018	5	145	29
PLANNED	10/4/2018	1	98	98
PLANNED	10/4/2018	2	86	43
PLANNED	10/4/2018	13	26	2
PLANNED	10/4/2018	1	26	26
PLANNED	10/4/2018	9	567	63
PLANNED	10/4/2018	16	1,376	86
PLANNED	10/4/2018	2	68	34
CUSTOMER REQUEST	10/4/2018	1	207	207
PLANNED	10/4/2018	4	84	21
PLANNED	10/4/2018	1	80	80
PLANNED	10/4/2018	2	76	38
PLANNED	10/4/2018	2	116	58
PLANNED	10/4/2018	4	28	7
PLANNED	10/4/2018	13	2,171	167
PLANNED	10/4/2018	7	854	122
PLANNED	10/4/2018	6	732	122
PLANNED	10/4/2018	1	129	129
PLANNED	10/4/2018	15	1,845	123
PLANNED	10/4/2018	3	756	252
PLANNED	10/4/2018	1	99	99
PLANNED	10/5/2018	15	2,745	183
PLANNED	10/5/2018	2	582	291
PLANNED	10/5/2018	1	87	87

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/5/2018	11	440	40
PLANNED	10/5/2018	1	120	120
PLANNED	10/5/2018	2	52	26
PLANNED	10/5/2018	4	1,088	272
PLANNED	10/5/2018	3	84	28
PLANNED	10/5/2018	9	648	72
PLANNED	10/5/2018	10	630	63
PLANNED	10/5/2018	7	630	90
PLANNED	10/5/2018	2	112	56
PLANNED	10/5/2018	8	1,320	165
PLANNED	10/5/2018	8	1,280	160
PLANNED	10/5/2018	6	786	131
PLANNED	10/5/2018	11	1,100	100
PLANNED	10/5/2018	7	658	94
PLANNED	10/5/2018	40	4,520	113
PLANNED	10/5/2018	4	360	90
PLANNED	10/5/2018	2	492	246
PLANNED	10/5/2018	8	24	3
PLANNED	10/5/2018	2	198	99
PLANNED	10/5/2018	3	288	96
PLANNED	10/5/2018	2	168	84
PLANNED	10/5/2018	4	92	23
PLANNED	10/5/2018	1	41	41
PLANNED	10/5/2018	12	24	2
PLANNED	10/5/2018	2	141	87
PLANNED	10/5/2018	129	53,535	415
PLANNED	10/5/2018	2	162	81
PLANNED	10/5/2018	8	64	8
PLANNED	10/5/2018	7	259	37
CUSTOMER REQUEST	10/5/2018	1	19	19
PLANNED	10/5/2018	9	153	17
PLANNED	10/5/2018	5	70	14
PLANNED	10/5/2018	3	348	116
PLANNED	10/5/2018	3	57	19
PLANNED	10/5/2018	6	366	61
PLANNED	10/5/2018	8	1,832	229
PLANNED	10/5/2018	4	20	5
PLANNED	10/5/2018	13	234	18
PLANNED	10/5/2018	9	81	9
PLANNED	10/5/2018	9	162	18
PLANNED	10/5/2018	2	82	41
PLANNED	10/5/2018	12	408	34
PLANNED	10/5/2018	7	28	4
PLANNED	10/5/2018	8	224	28
PLANNED	10/5/2018	4	204	51
PLANNED	10/5/2018	1	51	51
PLANNED	10/5/2018	10	30	3
PLANNED	10/5/2018	1	60	60
PLANNED	10/5/2018	10	10	1
PLANNED	10/5/2018	8	416	52
PLANNED	10/5/2018	7	357	51

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/5/2018	1	95	95
CUSTOMER REQUEST	10/5/2018	1	41	41
PLANNED	10/5/2018	5	20	4
PLANNED	10/5/2018	2	16	8
PLANNED	10/5/2018	8	576	72
PLANNED	10/5/2018	8	192	24
PLANNED	10/5/2018	1	113	113
CUSTOMER REQUEST	10/5/2018	1	41	41
PLANNED	10/5/2018	3	39	13
PLANNED	10/5/2018	1	78	78
PLANNED	10/5/2018	1	262	262
PLANNED	10/6/2018	1	243	243
PLANNED	10/6/2018	5	195	39
PLANNED	10/6/2018	8	536	67
PLANNED	10/6/2018	4	288	72
PLANNED	10/6/2018	5	490	98
PLANNED	10/6/2018	1	469	469
PLANNED	10/6/2018	3	714	238
PLANNED	10/6/2018	20	2,120	106
CUSTOMER REQUEST	10/6/2018	1	70	70
PLANNED	10/6/2018	31	6,727	217
PLANNED	10/6/2018	4	836	209
PLANNED	10/6/2018	1	85	85
PLANNED	10/6/2018	13	260	20
PLANNED	10/6/2018	2	120	60
PLANNED	10/6/2018	1	44	44
PLANNED	10/6/2018	3	261	87
PLANNED	10/6/2018	7	476	68
PLANNED	10/6/2018	4	48	12
PLANNED	10/6/2018	1	135	135
PLANNED	10/6/2018	1	9	9
PLANNED	10/6/2018	1	54	54
PLANNED	10/7/2018	1	97	97
PLANNED	10/7/2018	2	350	175
PLANNED	10/7/2018	16	1,392	87
PLANNED	10/7/2018	1	85	85
PLANNED	10/7/2018	9	1,971	219
PLANNED	10/7/2018	1	108	108
PLANNED	10/7/2018	1	150	150
PLANNED	10/7/2018	1	48	48
PLANNED	10/7/2018	2	242	121
PLANNED	10/7/2018	2	310	155
PLANNED	10/7/2018	2	326	163
PLANNED	10/7/2018	2	128	64
PLANNED	10/7/2018	3	246	82
PLANNED	10/8/2018	11	1,397	127
PLANNED	10/8/2018	1	60	60
PLANNED	10/8/2018	9	558	62
PLANNED	10/8/2018	8	240	30
CUSTOMER REQUEST	10/8/2018	26	2,158	83
CUSTOMER REQUEST	10/8/2018	3,043	33,473	11

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/8/2018	2	156	78
PLANNED	10/8/2018	8	640	80
PLANNED	10/8/2018	1	505	505
PLANNED	10/8/2018	26	4,030	155
PLANNED	10/8/2018	2	186	93
PLANNED	10/8/2018	2	60	30
PLANNED	10/8/2018	1	69	69
PLANNED	10/8/2018	2	32	16
PLANNED	10/8/2018	2	48	24
PLANNED	10/8/2018	1	522	522
PLANNED	10/8/2018	2	140	70
PLANNED	10/8/2018	10	1,220	122
PLANNED	10/8/2018	6	384	64
PLANNED	10/8/2018	6	834	139
PLANNED	10/8/2018	4	36	9
PLANNED	10/8/2018	7	1,071	153
PLANNED	10/8/2018	5	110	22
PLANNED	10/8/2018	7	1,316	188
PLANNED	10/8/2018	1	204	204
PLANNED	10/8/2018	1	78	78
PLANNED	10/8/2018	10	310	31
PLANNED	10/8/2018	51	7,752	152
PLANNED	10/8/2018	1	108	108
PLANNED	10/8/2018	3	120	40
PLANNED	10/8/2018	1	75	75
PLANNED	10/8/2018	14	1,232	88
PLANNED	10/8/2018	8	1,712	214
PLANNED	10/8/2018	20	4,380	219
PLANNED	10/8/2018	2	548	274
PLANNED	10/8/2018	32	10,144	317
PLANNED	10/8/2018	4	168	42
CUSTOMER REQUEST	10/8/2018	27	513	19
PLANNED	10/8/2018	2	206	103
PLANNED	10/8/2018	2	56	28
PLANNED	10/8/2018	8	2,840	355
PLANNED	10/8/2018	1	138	138
PLANNED	10/8/2018	12	816	68
PLANNED	10/8/2018	6	1,092	182
PLANNED	10/8/2018	2	378	189
PLANNED	10/8/2018	6	666	111
PLANNED	10/8/2018	3	96	32
PLANNED	10/8/2018	5	90	18
PLANNED	10/8/2018	7	238	34
PLANNED	10/8/2018	7	49	7
PLANNED	10/8/2018	2	56	28
PLANNED	10/8/2018	2	128	64
PLANNED	10/8/2018	1	22	22
PLANNED	10/8/2018	8	344	43
PLANNED	10/8/2018	2	224	112
PLANNED	10/8/2018	11	1,045	95
CUSTOMER REQUEST	10/8/2018	1	173	173

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/8/2018	2	34	17
PLANNED	10/8/2018	5	615	123
PLANNED	10/8/2018	31	6,541	211
PLANNED	10/8/2018	10	170	17
PLANNED	10/8/2018	3	120	40
PLANNED	10/8/2018	6	306	51
PLANNED	10/8/2018	2	50	25
PLANNED	10/8/2018	1	199	199
PLANNED	10/8/2018	10	410	41
PLANNED	10/8/2018	1	132	132
PLANNED	10/8/2018	4	24	6
PLANNED	10/8/2018	6	354	59
PLANNED	10/8/2018	9	819	91
PLANNED	10/8/2018	6	432	72
PLANNED	10/8/2018	1	171	171
PLANNED	10/8/2018	8	768	96
PLANNED	10/8/2018	2	144	72
PLANNED	10/8/2018	2	202	101
PLANNED	10/8/2018	1	225	225
PLANNED	10/8/2018	13	4,095	315
Hurricane	10/9/2018	8	368	46
Hurricane	10/9/2018	1	46	46
PLANNED	10/9/2018	1	222	222
Hurricane	10/9/2018	1	37	37
Hurricane	10/9/2018	12	876	73
Hurricane	10/9/2018	2	568	284
CUSTOMER REQUEST	10/9/2018	1	210	210
Hurricane	10/9/2018	2	114	57
Hurricane	10/9/2018	17	1,190	70
Hurricane	10/9/2018	10	190	19
Hurricane	10/9/2018	3	300	100
Hurricane	10/9/2018	8	2,616	327
CUSTOMER REQUEST	10/9/2018	4	336	84
Hurricane	10/9/2018	1	21	21
Hurricane	10/9/2018	4	220	55
Hurricane	10/9/2018	36	4,572	127
Hurricane	10/9/2018	77	7,854	102
Hurricane	10/9/2018	8	224	28
Hurricane	10/9/2018	1	60	60
Hurricane	10/9/2018	8	168	21
Hurricane	10/9/2018	34	10,370	305
Hurricane	10/9/2018	19	152	8
Hurricane	10/9/2018	1	2	2
Hurricane	10/9/2018	3	387	129
Hurricane	10/9/2018	4	200	50
Hurricane	10/9/2018	3	699	233
PLANNED	10/9/2018	10	1,150	115
Hurricane	10/9/2018	8	104	13
Hurricane	10/9/2018	3	390	130
Hurricane	10/9/2018	14	924	66
Hurricane	10/9/2018	19	7,144	376

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/9/2018	7	245	35
Hurricane	10/9/2018	7	2,023	289
Hurricane	10/9/2018	12	48	4
Hurricane	10/9/2018	1	225	225
Hurricane	10/9/2018	7	21	3
PLANNED	10/9/2018	1	89	89
PLANNED	10/9/2018	3	276	92
Hurricane	10/9/2018	2	40	20
CUSTOMER REQUEST	10/9/2018	2	620	310
Hurricane	10/9/2018	5	1,145	229
Hurricane	10/9/2018	5	70	14
Hurricane	10/9/2018	8	240	30
CUSTOMER REQUEST	10/9/2018	5	90	18
Hurricane	10/9/2018	8	144	18
Hurricane	10/9/2018	1	126	126
Hurricane	10/9/2018	10	330	33
Hurricane	10/9/2018	8	112	14
PLANNED	10/9/2018	2	40	20
Hurricane	10/9/2018	6	354	59
Hurricane	10/9/2018	4	96	24
Hurricane	10/9/2018	2	78	39
PLANNED	10/9/2018	7	728	104
Hurricane	10/9/2018	4	152	38
CUSTOMER REQUEST	10/9/2018	6	276	46
Hurricane	10/9/2018	1	11	11
Hurricane	10/9/2018	1	38	38
Hurricane	10/9/2018	9	369	41
PLANNED	10/9/2018	8	2,136	267
CUSTOMER REQUEST	10/9/2018	4	656	164
Hurricane	10/9/2018	6	42	7
Hurricane	10/9/2018	1	86	86
Hurricane	10/9/2018	8	1,968	246
Hurricane	10/9/2018	7	777	111
Hurricane	10/9/2018	17	5,865	345
Hurricane	10/9/2018	1	199	199
Hurricane	10/9/2018	4	100	25
Hurricane	10/9/2018	5	215	43
Hurricane	10/9/2018	2	22	11
Hurricane	10/9/2018	8	72	9
Hurricane	10/9/2018	1	63	63
Hurricane	10/9/2018	7	294	42
Hurricane	10/9/2018	10	230	23
Hurricane	10/9/2018	1	73	73
Hurricane	10/9/2018	7	735	105
Hurricane	10/9/2018	14	546	39
Hurricane	10/9/2018	1	62	62
Hurricane	10/9/2018	4	376	94
Hurricane	10/9/2018	9	1,485	165
Hurricane	10/10/2018	1	361	361
Hurricane	10/10/2018	1	28	28
Hurricane	10/10/2018	2	268	134

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/10/2018	1	136	136
PLANNED	10/10/2018	1	152	152
PLANNED	10/10/2018	10	1,090	109
PLANNED	10/10/2018	2	210	105
Hurricane	10/10/2018	1	125	125
Hurricane	10/10/2018	5	355	71
Hurricane	10/10/2018	13	1,027	79
Hurricane	10/10/2018	16	2,224	139
Hurricane	10/10/2018	26	2,262	87
Hurricane	10/10/2018	1	185	185
Hurricane	10/10/2018	6	102	17
Hurricane	10/10/2018	30	1,230	41
Hurricane	10/10/2018	12	960	80
Hurricane	10/10/2018	5	500	100
Hurricane	10/10/2018	4	352	88
Hurricane	10/10/2018	4	48	12
PLANNED	10/10/2018	7	574	82
Hurricane	10/10/2018	28	392	14
Hurricane	10/10/2018	2	248	124
Hurricane	10/10/2018	4	384	96
Hurricane	10/10/2018	4	100	25
Hurricane	10/10/2018	4	80	20
Hurricane	10/10/2018	9	756	84
Hurricane	10/10/2018	2	30	15
PLANNED	10/10/2018	6	378	69
Hurricane	10/10/2018	30	3,810	127
PLANNED	10/10/2018	1	414	414
Hurricane	10/10/2018	2	94	47
Hurricane	10/10/2018	14	462	33
Hurricane	10/10/2018	10	140	14
Hurricane	10/10/2018	2	190	95
Hurricane	10/10/2018	1	99	99
Hurricane	10/10/2018	2	16	8
Hurricane	10/10/2018	1	101	101
Hurricane	10/10/2018	25	1,600	64
Hurricane	10/10/2018	6	402	67
Hurricane	10/10/2018	10	230	23
Hurricane	10/10/2018	1	75	75
Hurricane	10/10/2018	3	9	3
Hurricane	10/10/2018	28	4,508	161
Hurricane	10/10/2018	5	45	9
Hurricane	10/10/2018	6	756	126
Hurricane	10/10/2018	2	184	92
Hurricane	10/10/2018	1	24	24
Hurricane	10/10/2018	5	70	14
PLANNED	10/10/2018	9	482	58
PLANNED	10/10/2018	3	363	121
Hurricane	10/10/2018	6	438	73
Hurricane	10/10/2018	3	120	40
Hurricane	10/10/2018	4	168	42
Hurricane	10/10/2018	8	112	14

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/10/2018	10	173	20
Hurricane	10/10/2018	2	14	7
Hurricane	10/10/2018	4	468	118
Hurricane	10/10/2018	19	3,667	193
Hurricane	10/10/2018	4	168	42
Hurricane	10/10/2018	1	168	168
Hurricane	10/10/2018	6	648	108
Hurricane	10/10/2018	4	52	13
Hurricane	10/10/2018	4	708	177
Hurricane	10/10/2018	3	288	96
Hurricane	10/11/2018	1	140	140
Hurricane	10/11/2018	1	107	107
Hurricane	10/11/2018	2	210	105
Hurricane	10/11/2018	6	1,440	240
Hurricane	10/11/2018	3	264	88
Hurricane	10/11/2018	5	170	34
PLANNED	10/11/2018	1	101	101
Hurricane	10/11/2018	23	115	5
Hurricane	10/11/2018	12	768	64
Hurricane	10/11/2018	7	2,849	407
Hurricane	10/11/2018	22	3,388	154
Hurricane	10/11/2018	2	486	243
Hurricane	10/11/2018	4	392	98
Hurricane	10/11/2018	1	140	140
Hurricane	10/11/2018	8	56	7
Hurricane	10/11/2018	5	455	91
Hurricane	10/11/2018	4	708	177
Hurricane	10/11/2018	7	1,197	171
Hurricane	10/11/2018	6	1,128	188
Hurricane	10/11/2018	1	8	8
Hurricane	10/11/2018	78	4,758	61
Hurricane	10/11/2018	5	135	27
Hurricane	10/11/2018	2	608	304
Hurricane	10/11/2018	6	672	112
Hurricane	10/11/2018	22	2,134	97
Hurricane	10/11/2018	18	1,746	97
Hurricane	10/11/2018	2	198	99
Hurricane	10/11/2018	5	1,345	269
Hurricane	10/11/2018	3	39	13
Hurricane	10/11/2018	12	948	79
Hurricane	10/11/2018	8	440	55
CUSTOMER REQUEST	10/11/2018	10	730	73
Hurricane	10/11/2018	8	184	23
Hurricane	10/11/2018	2	52	26
Hurricane	10/11/2018	3	198	66
Hurricane	10/11/2018	4	636	159
Hurricane	10/11/2018	1	17	17
Hurricane	10/11/2018	9	1,269	141
PLANNED	10/11/2018	3	69	23
Hurricane	10/11/2018	8	376	47
Hurricane	10/11/2018	2	192	96

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
Hurricane	10/11/2018	18	846	47
Hurricane	10/11/2018	3	138	46
Hurricane	10/11/2018	8	544	68
Hurricane	10/11/2018	34	102	3
Hurricane	10/11/2018	59	118	2
Hurricane	10/11/2018	34	4,488	132
Hurricane	10/11/2018	2	220	110
Hurricane	10/11/2018	4	692	173
Hurricane	10/11/2018	6	102	17
Hurricane	10/11/2018	1	100	100
Hurricane	10/11/2018	7	196	28
PLANNED	10/11/2018	1	52	52
Hurricane	10/11/2018	1	124	124
Hurricane	10/11/2018	1	123	123
Hurricane	10/11/2018	1	63	63
Hurricane	10/11/2018	1	42	42
Hurricane	10/11/2018	1	44	44
Hurricane	10/11/2018	1	196	196
PLANNED	10/12/2018	2	708	354
PLANNED	10/12/2018	1	191	191
PLANNED	10/12/2018	1	77	77
PLANNED	10/12/2018	1	155	155
PLANNED	10/12/2018	2	188	94
PLANNED	10/12/2018	2	652	326
PLANNED	10/12/2018	1	43	43
CUSTOMER REQUEST	10/12/2018	1,108	50,968	46
PLANNED	10/12/2018	1	75	75
PLANNED	10/12/2018	17	459	27
PLANNED	10/12/2018	4	248	62
PLANNED	10/12/2018	1	36	36
CUSTOMER REQUEST	10/12/2018	29	11,542	398
PLANNED	10/12/2018	7	574	82
PLANNED	10/12/2018	7	574	82
PLANNED	10/12/2018	3	357	119
PLANNED	10/12/2018	8	400	50
PLANNED	10/12/2018	2	46	23
PLANNED	10/12/2018	2	290	145
PLANNED	10/12/2018	6	1,272	212
PLANNED	10/12/2018	5	755	151
PLANNED	10/12/2018	2	268	134
PLANNED	10/12/2018	34	5,848	172
CUSTOMER REQUEST	10/12/2018	5	470	94
PLANNED	10/12/2018	2	232	116
PLANNED	10/12/2018	3	222	74
PLANNED	10/12/2018	7	455	65
PLANNED	10/12/2018	7	224	32
PLANNED	10/12/2018	3	75	25
PLANNED	10/12/2018	5	205	41
PLANNED	10/12/2018	9	360	40
PLANNED	10/12/2018	4	372	93
PLANNED	10/12/2018	2	58	29

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/12/2018	1	26	26
PLANNED	10/12/2018	10	220	22
PLANNED	10/12/2018	15	1,050	70
PLANNED	10/12/2018	1	99	99
PLANNED	10/12/2018	1	126	126
PLANNED	10/12/2018	1	96	96
PLANNED	10/12/2018	15	1,320	88
PLANNED	10/12/2018	19	4,959	261
PLANNED	10/12/2018	14	266	19
PLANNED	10/12/2018	1	8	8
PLANNED	10/12/2018	2	194	97
PLANNED	10/12/2018	1	44	44
PLANNED	10/12/2018	3	228	76
PLANNED	10/12/2018	2	30	15
PLANNED	10/12/2018	11	264	24
PLANNED	10/12/2018	3	588	196
PLANNED	10/12/2018	5	180	36
PLANNED	10/12/2018	5	1,050	210
PLANNED	10/13/2018	13	2,730	210
PLANNED	10/13/2018	3	750	250
PLANNED	10/13/2018	1	334	334
PLANNED	10/13/2018	5	245	49
PLANNED	10/13/2018	1	129	129
PLANNED	10/13/2018	2	16	8
PLANNED	10/13/2018	4	248	62
PLANNED	10/13/2018	1	261	261
PLANNED	10/13/2018	5	290	58
PLANNED	10/13/2018	1	86	86
PLANNED	10/13/2018	2	442	221
PLANNED	10/14/2018	4	660	165
CUSTOMER REQUEST	10/14/2018	12	2,004	167
PLANNED	10/14/2018	9	450	50
PLANNED	10/14/2018	9	1,070	185
PLANNED	10/14/2018	1	128	128
PLANNED	10/14/2018	3	429	143
PLANNED	10/14/2018	1	345	345
PLANNED	10/14/2018	2	12	6
PLANNED	10/14/2018	4	1,036	259
PLANNED	10/14/2018	1	220	220
PLANNED	10/15/2018	5	1,650	330
CUSTOMER REQUEST	10/15/2018	1	536	536
PLANNED	10/15/2018	7	84	12
PLANNED	10/15/2018	6	432	72
CUSTOMER REQUEST	10/15/2018	2	622	311
PLANNED	10/15/2018	17	1,394	82
CUSTOMER REQUEST	10/15/2018	18	342	19
PLANNED	10/15/2018	9	819	91
PLANNED	10/15/2018	16	160	10
PLANNED	10/15/2018	7	1,440	340
CUSTOMER REQUEST	10/15/2018	5	85	17
PLANNED	10/15/2018	3	423	141

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/15/2018	2	124	62
PLANNED	10/15/2018	1	28	28
PLANNED	10/15/2018	24	6,288	262
PLANNED	10/15/2018	16	3,968	248
PLANNED	10/15/2018	3	1,191	397
CUSTOMER REQUEST	10/15/2018	1	174	174
PLANNED	10/15/2018	7	49	7
PLANNED	10/15/2018	4	544	136
PLANNED	10/15/2018	1	55	55
PLANNED	10/15/2018	10	3,720	372
PLANNED	10/15/2018	1	54	54
PLANNED	10/15/2018	1	28	28
PLANNED	10/15/2018	1	163	163
PLANNED	10/15/2018	12	24	2
PLANNED	10/15/2018	1	338	338
CUSTOMER REQUEST	10/15/2018	5	360	72
PLANNED	10/15/2018	1	92	92
PLANNED	10/15/2018	25	4,100	164
CUSTOMER REQUEST	10/15/2018	2	48	24
PLANNED	10/15/2018	6	1,014	169
PLANNED	10/15/2018	2	92	46
PLANNED	10/15/2018	1	68	68
PLANNED	10/15/2018	2	187	132
PLANNED	10/15/2018	1	416	416
PLANNED	10/15/2018	8	336	42
PLANNED	10/15/2018	4	28	7
PLANNED	10/15/2018	9	2,628	292
CUSTOMER REQUEST	10/15/2018	2	144	72
PLANNED	10/15/2018	2	98	49
PLANNED	10/15/2018	8	128	16
PLANNED	10/15/2018	3	306	102
PLANNED	10/15/2018	1	53	53
PLANNED	10/15/2018	9	531	59
PLANNED	10/15/2018	6	1,164	194
PLANNED	10/15/2018	7	42	6
PLANNED	10/15/2018	7	574	82
PLANNED	10/15/2018	1	10	10
CUSTOMER REQUEST	10/15/2018	1	70	70
PLANNED	10/15/2018	9	900	100
PLANNED	10/16/2018	2	432	216
PLANNED	10/16/2018	16	2,768	173
PLANNED	10/16/2018	6	390	65
PLANNED	10/16/2018	24	2,088	87
PLANNED	10/16/2018	1	40	40
CUSTOMER REQUEST	10/16/2018	1	60	60
PLANNED	10/16/2018	1	198	198
PLANNED	10/16/2018	1	187	187
PLANNED	10/16/2018	8	32	4
PLANNED	10/16/2018	3	78	26
PLANNED	10/16/2018	4	280	70
CUSTOMER REQUEST	10/16/2018	11	5,126	466

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/16/2018	1	60	60
PLANNED	10/16/2018	8	176	22
PLANNED	10/16/2018	3	387	129
PLANNED	10/16/2018	15	4,350	290
PLANNED	10/16/2018	5	185	37
PLANNED	10/16/2018	18	3,474	193
PLANNED	10/16/2018	2	58	29
PLANNED	10/16/2018	5	345	69
PLANNED	10/16/2018	1	34	34
PLANNED	10/16/2018	2	2	1
PLANNED	10/16/2018	9	2,277	253
PLANNED	10/16/2018	4	1,156	289
PLANNED	10/16/2018	9	2,268	252
CUSTOMER REQUEST	10/16/2018	1	469	469
PLANNED	10/16/2018	7	266	38
PLANNED	10/16/2018	4	548	137
PLANNED	10/16/2018	8	1,192	149
PLANNED	10/16/2018	4	412	103
PLANNED	10/16/2018	21	4,137	197
PLANNED	10/16/2018	9	2,376	264
PLANNED	10/16/2018	30	297	268
PLANNED	10/16/2018	29	5,191	179
PLANNED	10/16/2018	16	816	51
PLANNED	10/16/2018	9	1,611	179
PLANNED	10/16/2018	21	1,071	51
PLANNED	10/16/2018	13	650	50
PLANNED	10/16/2018	13	650	50
PLANNED	10/16/2018	3	147	49
PLANNED	10/16/2018	1	54	54
PLANNED	10/16/2018	7	364	52
PLANNED	10/16/2018	10	560	56
PLANNED	10/16/2018	2	34	17
PLANNED	10/16/2018	8	544	68
PLANNED	10/16/2018	4	28	7
PLANNED	10/16/2018	1	71	71
PLANNED	10/16/2018	66	6,006	91
PLANNED	10/16/2018	28	1,316	47
PLANNED	10/16/2018	1	45	45
PLANNED	10/16/2018	3	156	52
PLANNED	10/16/2018	2	64	32
PLANNED	10/16/2018	2	60	30
PLANNED	10/16/2018	8	1,112	139
PLANNED	10/16/2018	9	468	52
PLANNED	10/16/2018	2	34	17
PLANNED	10/16/2018	21	3,192	152
PLANNED	10/16/2018	1	65	65
PLANNED	10/16/2018	11	88	8
PLANNED	10/16/2018	6	342	57
CUSTOMER REQUEST	10/16/2018	2	22	11
PLANNED	10/16/2018	3	75	25
PLANNED	10/16/2018	1	27	27

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/16/2018	23	989	43
PLANNED	10/16/2018	2	328	164
PLANNED	10/16/2018	2	42	21
PLANNED	10/16/2018	1	77	77
PLANNED	10/16/2018	2	28	14
PLANNED	10/16/2018	2	30	15
PLANNED	10/16/2018	1	147	147
PLANNED	10/16/2018	2	34	17
PLANNED	10/16/2018	15	735	49
PLANNED	10/16/2018	2	78	39
PLANNED	10/16/2018	3	126	42
PLANNED	10/16/2018	8	1,264	158
PLANNED	10/16/2018	2	510	255
PLANNED	10/16/2018	3	177	59
PLANNED	10/16/2018	1	152	152
PLANNED	10/16/2018	1	238	238
PLANNED	10/16/2018	2	468	234
PLANNED	10/16/2018	16	3,680	230
PLANNED	10/17/2018	10	830	83
PLANNED	10/17/2018	8	1,168	146
PLANNED	10/17/2018	6	876	146
CUSTOMER REQUEST	10/17/2018	1	68	68
PLANNED	10/17/2018	6	150	25
PLANNED	10/17/2018	1	88	88
PLANNED	10/17/2018	1	16	16
PLANNED	10/17/2018	4	192	48
PLANNED	10/17/2018	1	183	183
PLANNED	10/17/2018	2	414	207
PLANNED	10/17/2018	1	272	272
PLANNED	10/17/2018	8	96	12
PLANNED	10/17/2018	3	135	45
PLANNED	10/17/2018	1	46	46
PLANNED	10/17/2018	35	4,865	139
PLANNED	10/17/2018	2	26	13
PLANNED	10/17/2018	5	600	120
PLANNED	10/17/2018	11	1,133	103
PLANNED	10/17/2018	8	656	82
CUSTOMER REQUEST	10/17/2018	1	155	155
PLANNED	10/17/2018	1	11	11
PLANNED	10/17/2018	3	318	106
PLANNED	10/17/2018	17	4,777	281
PLANNED	10/17/2018	5	110	22
PLANNED	10/17/2018	20	1,440	72
PLANNED	10/17/2018	1	39	39
PLANNED	10/17/2018	2	182	91
PLANNED	10/17/2018	6	120	20
PLANNED	10/17/2018	6	768	128
PLANNED	10/17/2018	8	472	59
CUSTOMER REQUEST	10/17/2018	6	168	28
PLANNED	10/17/2018	24	1,248	52
PLANNED	10/17/2018	1	29	29

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/17/2018	8	2,176	272
PLANNED	10/17/2018	7	196	28
PLANNED	10/17/2018	9	1,053	117
PLANNED	10/17/2018	6	432	72
PLANNED	10/17/2018	6	402	67
PLANNED	10/17/2018	7	1,127	161
PLANNED	10/17/2018	6	288	48
PLANNED	10/17/2018	5	60	12
PLANNED	10/17/2018	5	150	30
PLANNED	10/17/2018	7	308	44
PLANNED	10/17/2018	3	204	68
PLANNED	10/17/2018	1	318	318
PLANNED	10/17/2018	1	341	341
PLANNED	10/17/2018	14	252	18
PLANNED	10/17/2018	8	104	13
PLANNED	10/17/2018	6	774	129
PLANNED	10/17/2018	4	864	216
PLANNED	10/17/2018	33	1,287	39
PLANNED	10/17/2018	6	222	37
PLANNED	10/17/2018	6	222	37
CUSTOMER REQUEST	10/17/2018	1	515	515
PLANNED	10/17/2018	10	510	51
PLANNED	10/17/2018	8	544	68
PLANNED	10/17/2018	15	1,590	106
PLANNED	10/17/2018	8	1,960	245
PLANNED	10/17/2018	2	158	79
PLANNED	10/17/2018	1	171	171
PLANNED	10/17/2018	2	108	54
CUSTOMER REQUEST	10/17/2018	1	54	54
PLANNED	10/17/2018	1	84	84
PLANNED	10/17/2018	49	3,902	138
PLANNED	10/17/2018	12	108	9
PLANNED	10/17/2018	4	528	132
PLANNED	10/17/2018	1	61	61
PLANNED	10/17/2018	3	915	305
PLANNED	10/18/2018	1	157	157
PLANNED	10/18/2018	2	334	167
PLANNED	10/18/2018	13	2,704	208
PLANNED	10/18/2018	13	2,678	206
PLANNED	10/18/2018	1	48	48
PLANNED	10/18/2018	1	99	99
PLANNED	10/18/2018	7	784	112
PLANNED	10/18/2018	1	28	28
PLANNED	10/18/2018	4	308	77
PLANNED	10/18/2018	1	159	159
PLANNED	10/18/2018	3	183	61
PLANNED	10/18/2018	1	401	401
PLANNED	10/18/2018	8	808	101
PLANNED	10/18/2018	8	808	101
PLANNED	10/18/2018	1	529	529
PLANNED	10/18/2018	6	2,274	379

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/18/2018	5	750	150
PLANNED	10/18/2018	6	2,256	376
PLANNED	10/18/2018	8	1,160	145
PLANNED	10/18/2018	4	44	11
CUSTOMER REQUEST	10/18/2018	20	940	47
PLANNED	10/18/2018	22	2,134	97
CUSTOMER REQUEST	10/18/2018	13	1,807	139
PLANNED	10/18/2018	1	266	266
PLANNED	10/18/2018	3	285	95
PLANNED	10/18/2018	6	816	136
PLANNED	10/18/2018	2	178	89
PLANNED	10/18/2018	8	656	82
PLANNED	10/18/2018	1	202	202
PLANNED	10/18/2018	6	1,236	206
PLANNED	10/18/2018	1	161	161
PLANNED	10/18/2018	12	1,728	144
PLANNED	10/18/2018	25	4,650	186
PLANNED	10/18/2018	5	640	128
PLANNED	10/18/2018	8	32	4
PLANNED	10/18/2018	6	522	87
PLANNED	10/18/2018	10	1,470	147
PLANNED	10/18/2018	2	50	25
CUSTOMER REQUEST	10/18/2018	1	104	104
CUSTOMER REQUEST	10/18/2018	4	72	18
PLANNED	10/18/2018	5	190	38
PLANNED	10/18/2018	6	480	80
PLANNED	10/18/2018	9	513	57
PLANNED	10/18/2018	2	16	8
PLANNED	10/18/2018	16	544	34
PLANNED	10/18/2018	3	477	159
PLANNED	10/18/2018	5	100	20
PLANNED	10/18/2018	9	351	39
PLANNED	10/18/2018	5	130	26
PLANNED	10/18/2018	10	1,010	101
PLANNED	10/18/2018	1	37	37
PLANNED	10/18/2018	1	24	24
PLANNED	10/18/2018	7	154	22
PLANNED	10/18/2018	4	20	5
PLANNED	10/18/2018	16	1,440	90
PLANNED	10/18/2018	8	48	6
CUSTOMER REQUEST	10/18/2018	1	212	212
CUSTOMER REQUEST	10/18/2018	1	272	272
PLANNED	10/18/2018	11	319	29
PLANNED	10/18/2018	1	77	77
PLANNED	10/18/2018	1	154	154
PLANNED	10/18/2018	2	586	293
PLANNED	10/18/2018	1	108	108
PLANNED	10/19/2018	9	1,638	182
PLANNED	10/19/2018	1	324	324
PLANNED	10/19/2018	1	185	185
PLANNED	10/19/2018	13	1,287	99

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/19/2018	2	252	126
PLANNED	10/19/2018	6	348	58
PLANNED	10/19/2018	38	3,306	87
PLANNED	10/19/2018	11	682	62
PLANNED	10/19/2018	32	5,568	174
PLANNED	10/19/2018	8	208	26
PLANNED	10/19/2018	1	244	244
PLANNED	10/19/2018	5	1,385	277
CUSTOMER REQUEST	10/19/2018	6	48	8
PLANNED	10/19/2018	7	1,939	277
CUSTOMER REQUEST	10/19/2018	1	109	109
PLANNED	10/19/2018	8	96	12
PLANNED	10/19/2018	12	60	5
PLANNED	10/19/2018	5	150	30
PLANNED	10/19/2018	19	627	33
CUSTOMER REQUEST	10/19/2018	3	381	127
PLANNED	10/19/2018	6	36	6
PLANNED	10/19/2018	11	396	36
CUSTOMER REQUEST	10/19/2018	29	145	5
PLANNED	10/19/2018	1	36	36
PLANNED	10/19/2018	26	2,756	106
CUSTOMER REQUEST	10/19/2018	1	121	121
PLANNED	10/19/2018	37	2,590	70
PLANNED	10/19/2018	1	23	23
PLANNED	10/19/2018	3	63	21
PLANNED	10/19/2018	5	205	41
PLANNED	10/19/2018	17	816	48
PLANNED	10/19/2018	1	100	100
PLANNED	10/19/2018	2	432	216
PLANNED	10/19/2018	4	192	48
PLANNED	10/19/2018	8	568	71
PLANNED	10/19/2018	2	30	15
PLANNED	10/19/2018	1	28	28
PLANNED	10/19/2018	25	1,450	58
PLANNED	10/19/2018	11	286	26
PLANNED	10/19/2018	2	48	24
PLANNED	10/19/2018	8	600	75
PLANNED	10/19/2018	8	72	9
CUSTOMER REQUEST	10/19/2018	29	174	6
PLANNED	10/19/2018	9	108	13
PLANNED	10/19/2018	9	117	13
CUSTOMER REQUEST	10/19/2018	12	168	14
PLANNED	10/19/2018	1	13	13
CUSTOMER REQUEST	10/19/2018	1	121	121
PLANNED	10/20/2018	1	118	118
PLANNED	10/20/2018	1	320	320
PLANNED	10/20/2018	9	963	107
PLANNED	10/20/2018	1	266	266
PLANNED	10/20/2018	1	112	112
PLANNED	10/20/2018	18	2,142	119
PLANNED	10/20/2018	1	19	19

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/20/2018	1	133	133
PLANNED	10/20/2018	1	52	52
PLANNED	10/20/2018	1	142	142
PLANNED	10/20/2018	14	2,016	144
PLANNED	10/20/2018	10	2,540	254
PLANNED	10/20/2018	4	176	44
PLANNED	10/20/2018	10	860	86
PLANNED	10/20/2018	1	6	6
PLANNED	10/21/2018	1	191	191
PLANNED	10/21/2018	2	366	183
CUSTOMER REQUEST	10/21/2018	1	535	535
PLANNED	10/21/2018	4	316	79
PLANNED	10/21/2018	1	212	212
PLANNED	10/21/2018	2	408	204
PLANNED	10/21/2018	2	322	161
CUSTOMER REQUEST	10/21/2018	1	356	356
PLANNED	10/22/2018	4	192	48
PLANNED	10/22/2018	13	3,640	280
PLANNED	10/22/2018	2	68	34
PLANNED	10/22/2018	12	168	14
CUSTOMER REQUEST	10/22/2018	10	80	8
PLANNED	10/22/2018	10	340	34
PLANNED	10/22/2018	4	228	57
PLANNED	10/22/2018	8	544	68
PLANNED	10/22/2018	4	1,056	264
PLANNED	10/22/2018	10	1,260	126
CUSTOMER REQUEST	10/22/2018	2	716	358
PLANNED	10/22/2018	157	17,270	110
PLANNED	10/22/2018	2	150	75
PLANNED	10/22/2018	4	792	198
PLANNED	10/22/2018	9	594	66
PLANNED	10/22/2018	10	870	87
PLANNED	10/22/2018	9	783	87
PLANNED	10/22/2018	6	522	87
PLANNED	10/22/2018	5	435	87
PLANNED	10/22/2018	1	16	16
CUSTOMER REQUEST	10/22/2018	2	56	28
PLANNED	10/22/2018	8	816	102
PLANNED	10/22/2018	8	760	95
PLANNED	10/22/2018	5	475	95
PLANNED	10/22/2018	12	840	70
PLANNED	10/22/2018	3	507	169
PLANNED	10/22/2018	1	54	54
PLANNED	10/22/2018	10	470	47
PLANNED	10/22/2018	8	208	26
PLANNED	10/22/2018	6	90	15
PLANNED	10/22/2018	7	805	115
CUSTOMER REQUEST	10/22/2018	3	18	6
PLANNED	10/22/2018	6	162	27
PLANNED	10/22/2018	1	3	3
PLANNED	10/22/2018	7	518	74

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/22/2018	12	300	25
PLANNED	10/22/2018	4	120	30
PLANNED	10/22/2018	8	224	28
PLANNED	10/22/2018	8	328	41
PLANNED	10/22/2018	1	119	119
PLANNED	10/22/2018	1	11	11
PLANNED	10/22/2018	12	540	45
PLANNED	10/22/2018	4	56	14
PLANNED	10/22/2018	2	22	11
PLANNED	10/22/2018	8	360	45
PLANNED	10/22/2018	9	1,773	197
PLANNED	10/22/2018	14	1,106	79
PLANNED	10/22/2018	2	22	11
PLANNED	10/22/2018	6	270	45
PLANNED	10/22/2018	11	847	77
PLANNED	10/22/2018	39	1,833	47
PLANNED	10/22/2018	11	187	17
PLANNED	10/23/2018	7	2,527	361
PLANNED	10/23/2018	3	102	34
PLANNED	10/23/2018	1	156	156
PLANNED	10/23/2018	9	2,034	226
PLANNED	10/23/2018	3	159	53
PLANNED	10/23/2018	6	846	141
CUSTOMER REQUEST	10/23/2018	1	780	780
PLANNED	10/23/2018	11	759	69
CUSTOMER REQUEST	10/23/2018	1	180	180
PLANNED	10/23/2018	7	889	127
PLANNED	10/23/2018	9	1,377	153
PLANNED	10/23/2018	12	3,084	257
PLANNED	10/23/2018	26	2,886	111
PLANNED	10/23/2018	3	483	161
PLANNED	10/23/2018	4	284	71
PLANNED	10/23/2018	2	140	70
PLANNED	10/23/2018	1	139	139
CUSTOMER REQUEST	10/23/2018	7	973	139
PLANNED	10/23/2018	4	620	155
PLANNED	10/23/2018	1	106	106
PLANNED	10/23/2018	2	344	172
CUSTOMER REQUEST	10/23/2018	44	6,072	138
PLANNED	10/23/2018	2	62	31
PLANNED	10/23/2018	39	6,357	163
PLANNED	10/23/2018	4	188	47
PLANNED	10/23/2018	1	297	297
PLANNED	10/23/2018	3	81	27
PLANNED	10/23/2018	3	69	23
PLANNED	10/23/2018	8	200	25
CUSTOMER REQUEST	10/23/2018	9	1,440	160
CUSTOMER REQUEST	10/23/2018	12	1,608	134
PLANNED	10/23/2018	2	156	78
PLANNED	10/23/2018	7	581	83
PLANNED	10/23/2018	1	226	226

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/23/2018	1	114	114
PLANNED	10/23/2018	5	420	84
PLANNED	10/23/2018	3	582	194
PLANNED	10/23/2018	3	183	61
PLANNED	10/23/2018	7	553	79
PLANNED	10/23/2018	1	148	148
PLANNED	10/23/2018	6	84	14
PLANNED	10/23/2018	8	544	68
CUSTOMER REQUEST	10/23/2018	8	80	10
PLANNED	10/23/2018	6	318	53
PLANNED	10/23/2018	6	786	131
PLANNED	10/23/2018	1	44	44
PLANNED	10/23/2018	9	351	39
PLANNED	10/23/2018	8	632	79
PLANNED	10/23/2018	2	78	39
PLANNED	10/23/2018	1	115	115
PLANNED	10/23/2018	9	657	73
PLANNED	10/23/2018	8	136	17
PLANNED	10/23/2018	7	280	40
PLANNED	10/23/2018	2	94	47
PLANNED	10/23/2018	1	56	56
PLANNED	10/23/2018	2	208	104
CUSTOMER REQUEST	10/23/2018	1	216	216
PLANNED	10/23/2018	6	330	55
PLANNED	10/23/2018	1	42	42
PLANNED	10/23/2018	8	376	47
PLANNED	10/23/2018	1	42	42
PLANNED	10/23/2018	1	18	18
PLANNED	10/23/2018	8	1,648	206
CUSTOMER REQUEST	10/23/2018	3	81	27
PLANNED	10/24/2018	16	1,696	106
PLANNED	10/24/2018	6	804	134
CUSTOMER REQUEST	10/24/2018	1	426	426
PLANNED	10/24/2018	12	1,404	117
PLANNED	10/24/2018	14	2,058	147
PLANNED	10/24/2018	3	213	71
PLANNED	10/24/2018	4	244	61
PLANNED	10/24/2018	4	388	97
PLANNED	10/24/2018	4	388	97
PLANNED	10/24/2018	3	303	101
PLANNED	10/24/2018	9	432	48
PLANNED	10/24/2018	2	86	43
PLANNED	10/24/2018	13	221	17
PLANNED	10/24/2018	11	3,025	275
PLANNED	10/24/2018	2	198	99
PLANNED	10/24/2018	2	304	152
PLANNED	10/24/2018	1	387	387
PLANNED	10/24/2018	6	588	98
PLANNED	10/24/2018	5	1,055	211
CUSTOMER REQUEST	10/24/2018	29	4,089	141
PLANNED	10/24/2018	1	47	47

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/24/2018	2	420	210
PLANNED	10/24/2018	3	363	121
PLANNED	10/24/2018	2	408	204
PLANNED	10/24/2018	9	603	67
PLANNED	10/24/2018	8	808	101
PLANNED	10/24/2018	4	424	106
CUSTOMER REQUEST	10/24/2018	8	232	29
PLANNED	10/24/2018	1	22	22
PLANNED	10/24/2018	4	152	38
CUSTOMER REQUEST	10/24/2018	2	30	15
PLANNED	10/24/2018	7	504	72
PLANNED	10/24/2018	6	630	105
PLANNED	10/24/2018	7	609	87
PLANNED	10/24/2018	7	434	62
PLANNED	10/24/2018	3	417	139
PLANNED	10/24/2018	5	720	144
PLANNED	10/24/2018	9	72	8
CUSTOMER REQUEST	10/24/2018	7	196	28
PLANNED	10/24/2018	8	904	113
PLANNED	10/24/2018	4	428	107
PLANNED	10/24/2018	8	1,232	154
PLANNED	10/24/2018	23	3,680	160
PLANNED	10/24/2018	10	1,000	100
PLANNED	10/24/2018	8	544	68
PLANNED	10/24/2018	2	62	31
PLANNED	10/24/2018	6	48	8
PLANNED	10/24/2018	8	1,376	172
PLANNED	10/24/2018	3	93	31
PLANNED	10/24/2018	56	8,032	147
CUSTOMER REQUEST	10/24/2018	12	528	44
PLANNED	10/24/2018	8	832	104
PLANNED	10/24/2018	15	540	36
PLANNED	10/24/2018	8	288	36
PLANNED	10/24/2018	5	215	43
PLANNED	10/24/2018	2	54	27
PLANNED	10/24/2018	2	38	19
CUSTOMER REQUEST	10/24/2018	7	42	6
PLANNED	10/24/2018	7	245	35
PLANNED	10/24/2018	2	158	79
PLANNED	10/24/2018	1	265	265
PLANNED	10/24/2018	8	48	6
PLANNED	10/24/2018	6	552	92
PLANNED	10/24/2018	13	468	36
PLANNED	10/24/2018	3	87	29
PLANNED	10/24/2018	15	630	42
PLANNED	10/24/2018	11	748	68
PLANNED	10/24/2018	1	167	167
PLANNED	10/24/2018	6	42	7
PLANNED	10/24/2018	5	545	109
PLANNED	10/24/2018	6	600	100
PLANNED	10/24/2018	3	153	51

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/24/2018	10	1,450	145
PLANNED	10/24/2018	8	1,024	128
PLANNED	10/24/2018	5	220	44
PLANNED	10/24/2018	1	69	69
PLANNED	10/24/2018	5	120	24
PLANNED	10/24/2018	4	4	1
PLANNED	10/24/2018	1	39	39
CUSTOMER REQUEST	10/24/2018	17	255	15
CUSTOMER REQUEST	10/24/2018	2	258	129
PLANNED	10/24/2018	4	200	50
PLANNED	10/24/2018	19	1,444	76
PLANNED	10/24/2018	6	420	70
PLANNED	10/24/2018	6	54	9
PLANNED	10/24/2018	3	210	70
PLANNED	10/24/2018	35	2,625	75
PLANNED	10/24/2018	3	330	110
CUSTOMER REQUEST	10/24/2018	5	30	6
PLANNED	10/24/2018	7	455	65
PLANNED	10/24/2018	8	128	16
PLANNED	10/24/2018	1	67	67
CUSTOMER REQUEST	10/24/2018	9	72	8
CUSTOMER REQUEST	10/24/2018	1	60	60
PLANNED	10/24/2018	1	98	98
PLANNED	10/24/2018	1	100	100
PLANNED	10/24/2018	1	48	48
PLANNED	10/24/2018	2	246	123
PLANNED	10/24/2018	9	1,152	128
PLANNED	10/25/2018	6	1,800	300
PLANNED	10/25/2018	9	846	94
PLANNED	10/25/2018	1	90	90
PLANNED	10/25/2018	6	270	45
PLANNED	10/25/2018	7	343	49
CUSTOMER REQUEST	10/25/2018	12	2,172	181
PLANNED	10/25/2018	5	645	129
PLANNED	10/25/2018	1	276	276
PLANNED	10/25/2018	9	234	26
PLANNED	10/25/2018	8	1,536	192
PLANNED	10/25/2018	9	828	92
PLANNED	10/25/2018	7	679	97
PLANNED	10/25/2018	15	960	64
CUSTOMER REQUEST	10/25/2018	1	148	148
PLANNED	10/25/2018	7	1,351	193
CUSTOMER REQUEST	10/25/2018	5	125	25
PLANNED	10/25/2018	12	3,132	261
PLANNED	10/25/2018	6	978	163
PLANNED	10/25/2018	2	328	164
PLANNED	10/25/2018	5	815	163
PLANNED	10/25/2018	7	329	47
PLANNED	10/25/2018	8	376	47
CUSTOMER REQUEST	10/25/2018	6	438	73
PLANNED	10/25/2018	8	288	36

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/25/2018	1	110	110
PLANNED	10/25/2018	10	4,980	498
PLANNED	10/25/2018	1	81	81
PLANNED	10/25/2018	13	2,444	188
CUSTOMER REQUEST	10/25/2018	4	196	49
PLANNED	10/25/2018	5	645	129
PLANNED	10/25/2018	2	76	38
PLANNED	10/25/2018	68	2,516	37
PLANNED	10/25/2018	6	408	68
PLANNED	10/25/2018	8	160	20
PLANNED	10/25/2018	15	1,395	93
CUSTOMER REQUEST	10/25/2018	8	112	14
PLANNED	10/25/2018	10	1,160	116
PLANNED	10/25/2018	2	278	139
PLANNED	10/25/2018	1	43	43
PLANNED	10/25/2018	6	324	54
CUSTOMER REQUEST	10/25/2018	7	42	6
PLANNED	10/25/2018	2	52	26
PLANNED	10/25/2018	6	2,460	410
CUSTOMER REQUEST	10/25/2018	1	412	412
PLANNED	10/25/2018	2	70	35
PLANNED	10/25/2018	7	336	48
PLANNED	10/25/2018	7	112	16
PLANNED	10/25/2018	1	78	78
PLANNED	10/25/2018	8	280	35
PLANNED	10/25/2018	4	284	71
PLANNED	10/25/2018	2	178	89
CUSTOMER REQUEST	10/25/2018	6	54	9
PLANNED	10/25/2018	3	45	15
CUSTOMER REQUEST	10/25/2018	14	1,316	94
PLANNED	10/25/2018	8	280	35
PLANNED	10/25/2018	7	301	43
PLANNED	10/25/2018	4	156	39
CUSTOMER REQUEST	10/25/2018	12	144	12
PLANNED	10/25/2018	2	140	70
PLANNED	10/25/2018	5	640	128
PLANNED	10/25/2018	4	212	53
PLANNED	10/25/2018	1	15	15
PLANNED	10/25/2018	2	32	16
PLANNED	10/25/2018	9	846	94
PLANNED	10/25/2018	2	44	22
PLANNED	10/25/2018	5	65	13
CUSTOMER REQUEST	10/25/2018	1	103	103
PLANNED	10/25/2018	1	68	68
PLANNED	10/25/2018	1	102	102
PLANNED	10/25/2018	9	207	23
PLANNED	10/25/2018	1	149	149
PLANNED	10/25/2018	9	990	110
PLANNED	10/25/2018	3	339	113
PLANNED	10/25/2018	1	172	172
PLANNED	10/25/2018	1	87	87

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/25/2018	2	162	81
PLANNED	10/25/2018	1	12	12
PLANNED	10/25/2018	8	1,936	242
PLANNED	10/25/2018	1	264	264
PLANNED	10/25/2018	1	173	173
PLANNED	10/25/2018	1	155	155
PLANNED	10/25/2018	8	1,128	141
PLANNED	10/25/2018	4	432	108
PLANNED	10/25/2018	3	852	284
PLANNED	10/26/2018	1	30	30
PLANNED	10/26/2018	1	112	112
PLANNED	10/26/2018	2	708	354
PLANNED	10/26/2018	4	164	41
PLANNED	10/26/2018	14	1,652	118
PLANNED	10/26/2018	1	94	94
PLANNED	10/26/2018	1	107	107
PLANNED	10/26/2018	14	952	68
PLANNED	10/26/2018	2	68	34
PLANNED	10/26/2018	5	1,305	261
PLANNED	10/26/2018	4	1,060	265
PLANNED	10/26/2018	1	85	85
PLANNED	10/26/2018	8	448	56
PLANNED	10/26/2018	6	618	103
CUSTOMER REQUEST	10/26/2018	8	584	73
PLANNED	10/26/2018	1	112	112
PLANNED	10/26/2018	2	240	120
PLANNED	10/26/2018	1	65	65
PLANNED	10/26/2018	3	294	98
PLANNED	10/26/2018	5	370	74
PLANNED	10/26/2018	1	40	40
PLANNED	10/26/2018	29	7,830	270
PLANNED	10/26/2018	2	94	47
CUSTOMER REQUEST	10/26/2018	2	236	118
PLANNED	10/26/2018	1	51	51
PLANNED	10/26/2018	2	74	37
PLANNED	10/26/2018	1	19	19
PLANNED	10/26/2018	1	177	177
PLANNED	10/26/2018	25	6,050	242
PLANNED	10/26/2018	14	210	15
PLANNED	10/26/2018	12	1,320	110
PLANNED	10/26/2018	2	126	63
PLANNED	10/26/2018	4	476	119
PLANNED	10/26/2018	3	123	41
PLANNED	10/26/2018	3	183	61
PLANNED	10/26/2018	2	162	81
PLANNED	10/26/2018	5	155	31
PLANNED	10/26/2018	11	1,562	142
PLANNED	10/26/2018	7	259	37
PLANNED	10/26/2018	10	790	79
CUSTOMER REQUEST	10/26/2018	1	61	61
PLANNED	10/26/2018	2	126	63

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	10/26/2018	5	95	19
PLANNED	10/26/2018	7	7	1
PLANNED	10/26/2018	7	357	51
PLANNED	10/26/2018	6	282	47
PLANNED	10/26/2018	2	72	36
PLANNED	10/26/2018	9	45	5
PLANNED	10/26/2018	1	50	50
PLANNED	10/26/2018	7	966	138
PLANNED	10/26/2018	4	368	92
PLANNED	10/26/2018	8	736	92
PLANNED	10/26/2018	5	95	19
PLANNED	10/26/2018	3	105	35
CUSTOMER REQUEST	10/26/2018	94	16,920	180
PLANNED	10/26/2018	8	216	27
PLANNED	10/26/2018	6	246	41
PLANNED	10/26/2018	8	256	32
PLANNED	10/26/2018	1	52	52
CUSTOMER REQUEST	10/26/2018	1	63	63
CUSTOMER REQUEST	10/26/2018	1	129	129
PLANNED	10/26/2018	23	3,151	137
PLANNED	10/26/2018	1	15	15
CUSTOMER REQUEST	10/26/2018	1	767	767
CUSTOMER REQUEST	10/27/2018	11	154	14
PLANNED	10/27/2018	4	476	119
PLANNED	10/27/2018	1	252	252
PLANNED	10/27/2018	2	470	235
PLANNED	10/27/2018	2	54	27
PLANNED	10/27/2018	1	308	308
PLANNED	10/27/2018	23	3,611	157
PLANNED	10/27/2018	6	456	76
PLANNED	10/27/2018	2	162	81
PLANNED	10/27/2018	6	1,008	168
PLANNED	10/27/2018	5	275	55
PLANNED	10/27/2018	3	474	158
PLANNED	10/27/2018	9	2,304	256
PLANNED	10/27/2018	1	57	57
PLANNED	10/27/2018	1	87	87
PLANNED	10/28/2018	3	591	197
PLANNED	10/28/2018	9	1,035	115
PLANNED	10/28/2018	1	147	147
PLANNED	10/28/2018	7	2,730	390
PLANNED	10/28/2018	4	1,460	365
PLANNED	10/28/2018	1	370	370
PLANNED	10/28/2018	14	1,022	73
PLANNED	10/28/2018	1	205	205
PLANNED	10/28/2018	1	159	159
PLANNED	10/28/2018	11	814	74
PLANNED	10/28/2018	20	1,700	85
PLANNED	10/28/2018	10	2,310	231
PLANNED	10/29/2018	1	461	461
PLANNED	10/29/2018	1	128	128

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/29/2018	2	394	197
CUSTOMER REQUEST	10/29/2018	15	720	48
CUSTOMER REQUEST	10/29/2018	12	117	10
CUSTOMER REQUEST	10/29/2018	1	76	76
PLANNED	10/29/2018	1	33	33
CUSTOMER REQUEST	10/29/2018	12	36	3
CUSTOMER REQUEST	10/29/2018	12	3,900	433
PLANNED	10/29/2018	2	58	29
PLANNED	10/29/2018	2	552	276
PLANNED	10/29/2018	17	357	21
PLANNED	10/29/2018	7	539	77
CUSTOMER REQUEST	10/29/2018	14	532	38
PLANNED	10/29/2018	2	60	30
PLANNED	10/29/2018	6	558	93
PLANNED	10/29/2018	26	4,290	165
PLANNED	10/29/2018	4	352	88
PLANNED	10/29/2018	14	462	33
PLANNED	10/29/2018	1	89	89
PLANNED	10/29/2018	5	1,190	238
PLANNED	10/29/2018	1	101	101
PLANNED	10/29/2018	7	938	134
PLANNED	10/29/2018	6	474	79
PLANNED	10/29/2018	6	30	5
PLANNED	10/29/2018	3	975	325
PLANNED	10/29/2018	6	72	12
PLANNED	10/29/2018	6	24	4
PLANNED	10/29/2018	3	66	22
CUSTOMER REQUEST	10/29/2018	4	60	15
PLANNED	10/29/2018	1	223	223
PLANNED	10/29/2018	2	70	35
PLANNED	10/29/2018	1	400	400
PLANNED	10/29/2018	1	23	23
PLANNED	10/29/2018	3	195	65
CUSTOMER REQUEST	10/29/2018	1	201	201
PLANNED	10/29/2018	10	1,620	162
PLANNED	10/29/2018	6	870	145
PLANNED	10/29/2018	1	71	71
PLANNED	10/29/2018	4	68	17
PLANNED	10/29/2018	7	98	14
PLANNED	10/29/2018	9	1,503	167
PLANNED	10/29/2018	6	456	76
PLANNED	10/29/2018	1	25	25
PLANNED	10/29/2018	10	400	40
PLANNED	10/29/2018	1	47	47
CUSTOMER REQUEST	10/29/2018	15	645	43
PLANNED	10/29/2018	4	68	17
PLANNED	10/29/2018	4	808	202
PLANNED	10/29/2018	21	882	42
PLANNED	10/29/2018	6	132	22
PLANNED	10/29/2018	5	320	64
PLANNED	10/29/2018	1	25	25

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/29/2018	8	368	46
PLANNED	10/29/2018	6	1,140	190
PLANNED	10/29/2018	7	882	126
PLANNED	10/29/2018	6	696	116
CUSTOMER REQUEST	10/29/2018	16	288	18
PLANNED	10/29/2018	2	20	10
CUSTOMER REQUEST	10/29/2018	6	24	4
PLANNED	10/29/2018	1	39	39
PLANNED	10/29/2018	12	1,536	128
PLANNED	10/29/2018	3	2,556	852
PLANNED	10/29/2018	3	159	53
PLANNED	10/29/2018	7	84	12
PLANNED	10/29/2018	10	480	48
PLANNED	10/29/2018	1	98	98
PLANNED	10/29/2018	5	850	170
CUSTOMER REQUEST	10/29/2018	17	4,114	242
CUSTOMER REQUEST	10/29/2018	6	30	5
PLANNED	10/29/2018	3	99	33
PLANNED	10/29/2018	10	880	88
PLANNED	10/29/2018	6	12	2
PLANNED	10/29/2018	11	946	86
PLANNED	10/29/2018	11	473	43
CUSTOMER REQUEST	10/29/2018	12	48	4
PLANNED	10/29/2018	5	265	53
PLANNED	10/29/2018	5	130	26
PLANNED	10/29/2018	8	440	55
PLANNED	10/29/2018	2	120	60
PLANNED	10/29/2018	2	144	72
PLANNED	10/29/2018	1	144	144
PLANNED	10/29/2018	4	20	5
PLANNED	10/29/2018	6	552	92
PLANNED	10/29/2018	1	37	37
PLANNED	10/29/2018	1	173	173
PLANNED	10/29/2018	3	45	15
PLANNED	10/29/2018	1	148	148
PLANNED	10/29/2018	23	4,945	215
PLANNED	10/29/2018	10	1,600	160
PLANNED	10/29/2018	1	193	193
PLANNED	10/30/2018	2	360	180
PLANNED	10/30/2018	1	140	140
PLANNED	10/30/2018	1	208	208
PLANNED	10/30/2018	5	385	77
PLANNED	10/30/2018	7	616	88
PLANNED	10/30/2018	13	832	64
PLANNED	10/30/2018	4	172	43
PLANNED	10/30/2018	10	1,670	167
CUSTOMER REQUEST	10/30/2018	33	4,191	127
PLANNED	10/30/2018	13	2,353	181
PLANNED	10/30/2018	1	236	236
PLANNED	10/30/2018	4	120	30
CUSTOMER REQUEST	10/30/2018	27	3,213	119

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/30/2018	4	140	35
PLANNED	10/30/2018	81	13,041	161
PLANNED	10/30/2018	1	54	54
PLANNED	10/30/2018	6	780	130
PLANNED	10/30/2018	7	924	132
PLANNED	10/30/2018	1	25	25
PLANNED	10/30/2018	1	135	135
PLANNED	10/30/2018	1	26	26
PLANNED	10/30/2018	1	48	48
PLANNED	10/30/2018	2	138	69
CUSTOMER REQUEST	10/30/2018	21	189	9
CUSTOMER REQUEST	10/30/2018	4	136	34
PLANNED	10/30/2018	11	1,584	144
PLANNED	10/30/2018	3	120	40
PLANNED	10/30/2018	1	165	165
PLANNED	10/30/2018	7	749	107
CUSTOMER REQUEST	10/30/2018	49	4,018	82
PLANNED	10/30/2018	1	84	84
PLANNED	10/30/2018	7	714	102
PLANNED	10/30/2018	7	2,289	327
PLANNED	10/30/2018	9	576	64
PLANNED	10/30/2018	10	860	86
PLANNED	10/30/2018	2	122	61
PLANNED	10/30/2018	12	240	20
PLANNED	10/30/2018	8	160	20
PLANNED	10/30/2018	8	160	20
PLANNED	10/30/2018	8	1,848	231
CUSTOMER REQUEST	10/30/2018	6	450	75
PLANNED	10/30/2018	6	222	37
CUSTOMER REQUEST	10/30/2018	14	490	35
PLANNED	10/30/2018	16	4,000	250
PLANNED	10/30/2018	31	3,007	97
PLANNED	10/30/2018	6	84	14
PLANNED	10/30/2018	4	112	28
PLANNED	10/30/2018	2	180	90
CUSTOMER REQUEST	10/30/2018	9	54	6
PLANNED	10/30/2018	5	330	66
PLANNED	10/30/2018	8	104	13
PLANNED	10/30/2018	8	384	48
CUSTOMER REQUEST	10/30/2018	4	1,068	267
PLANNED	10/30/2018	2	34	17
PLANNED	10/30/2018	2	88	44
PLANNED	10/30/2018	1	176	176
PLANNED	10/30/2018	1	39	39
CUSTOMER REQUEST	10/30/2018	1	239	239
PLANNED	10/30/2018	4	204	51
PLANNED	10/30/2018	7	441	63
PLANNED	10/30/2018	1	48	48
PLANNED	10/30/2018	1	31	31
PLANNED	10/30/2018	4	260	65
PLANNED	10/30/2018	2	92	46

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/30/2018	6	108	18
PLANNED	10/30/2018	1	42	42
PLANNED	10/30/2018	8	16	2
PLANNED	10/30/2018	1	26	26
PLANNED	10/30/2018	3	564	188
PLANNED	10/30/2018	3	441	147
PLANNED	10/30/2018	5	210	42
PLANNED	10/30/2018	5	220	44
PLANNED	10/30/2018	6	84	14
PLANNED	10/30/2018	4	36	9
PLANNED	10/30/2018	2	46	23
CUSTOMER REQUEST	10/30/2018	1	203	203
CUSTOMER REQUEST	10/30/2018	1	204	204
PLANNED	10/30/2018	1	27	27
CUSTOMER REQUEST	10/30/2018	1	58	58
PLANNED	10/30/2018	2	146	73
PLANNED	10/30/2018	3	549	183
PLANNED	10/30/2018	6	48	8
PLANNED	10/30/2018	9	1,179	131
CUSTOMER REQUEST	10/30/2018	1	71	71
PLANNED	10/31/2018	11	2,288	208
PLANNED	10/31/2018	1	57	57
PLANNED	10/31/2018	4	200	50
PLANNED	10/31/2018	7	875	125
CUSTOMER REQUEST	10/31/2018	19	1,881	99
CUSTOMER REQUEST	10/31/2018	8	56	7
PLANNED	10/31/2018	2	18	9
CUSTOMER REQUEST	10/31/2018	10	110	11
PLANNED	10/31/2018	4	240	60
PLANNED	10/31/2018	4	192	48
CUSTOMER REQUEST	10/31/2018	18	234	13
PLANNED	10/31/2018	3	141	47
PLANNED	10/31/2018	2	454	227
PLANNED	10/31/2018	3	117	39
PLANNED	10/31/2018	3	108	36
PLANNED	10/31/2018	10	140	14
PLANNED	10/31/2018	1	47	47
PLANNED	10/31/2018	10	1,190	119
CUSTOMER REQUEST	10/31/2018	4	56	14
PLANNED	10/31/2018	1	325	325
PLANNED	10/31/2018	9	3,303	367
PLANNED	10/31/2018	2	24	12
PLANNED	10/31/2018	12	1,428	119
PLANNED	10/31/2018	3	249	83
PLANNED	10/31/2018	5	325	65
PLANNED	10/31/2018	7	644	92
PLANNED	10/31/2018	7	119	17
PLANNED	10/31/2018	2	224	112
PLANNED	10/31/2018	16	2,832	177
PLANNED	10/31/2018	6	66	11
PLANNED	10/31/2018	16	2,016	126

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	10/31/2018	5	360	72
PLANNED	10/31/2018	37	6,512	176
PLANNED	10/31/2018	4	192	48
PLANNED	10/31/2018	1	81	81
CUSTOMER REQUEST	10/31/2018	4	628	157
PLANNED	10/31/2018	13	2,951	227
PLANNED	10/31/2018	15	3,975	265
PLANNED	10/31/2018	10	110	11
PLANNED	10/31/2018	6	42	7
PLANNED	10/31/2018	4	240	60
PLANNED	10/31/2018	2	38	19
PLANNED	10/31/2018	7	259	37
PLANNED	10/31/2018	6	6	89
PLANNED	10/31/2018	1	64	64
PLANNED	10/31/2018	5	370	74
PLANNED	10/31/2018	10	1,060	106
PLANNED	10/31/2018	1	28	28
PLANNED	10/31/2018	3	108	36
PLANNED	10/31/2018	8	952	119
CUSTOMER REQUEST	10/31/2018	8	88	11
PLANNED	10/31/2018	1	85	85
PLANNED	10/31/2018	36	2,556	71
PLANNED	10/31/2018	5	640	128
PLANNED	10/31/2018	1	128	128
CUSTOMER REQUEST	10/31/2018	1	179	179
PLANNED	10/31/2018	1	87	87
PLANNED	10/31/2018	10	730	73
CUSTOMER REQUEST	10/31/2018	18	198	11
CUSTOMER REQUEST	10/31/2018	1	60	60
PLANNED	10/31/2018	42	3,621	89
PLANNED	10/31/2018	1	65	65
PLANNED	10/31/2018	1	31	31
PLANNED	10/31/2018	2	334	167
PLANNED	10/31/2018	1	280	280
PLANNED	11/1/2018	1	210	210
PLANNED	11/1/2018	5	925	185
PLANNED	11/1/2018	1	138	138
PLANNED	11/1/2018	7	574	82
PLANNED	11/1/2018	14	812	58
PLANNED	11/1/2018	1	157	157
PLANNED	11/1/2018	1	119	119
PLANNED	11/1/2018	13	2,782	214
PLANNED	11/1/2018	1	503	503
PLANNED	11/1/2018	2	226	113
PLANNED	11/1/2018	4	832	208
PLANNED	11/1/2018	3	363	121
PLANNED	11/1/2018	3	426	142
PLANNED	11/1/2018	6	264	44
PLANNED	11/1/2018	1	123	123
PLANNED	11/1/2018	43	3,139	73
CUSTOMER REQUEST	11/1/2018	27	3,969	147

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/1/2018	5	470	94
CUSTOMER REQUEST	11/1/2018	1	80	80
PLANNED	11/1/2018	6	942	157
PLANNED	11/1/2018	5	330	66
PLANNED	11/1/2018	5	700	140
CUSTOMER REQUEST	11/1/2018	10	2,430	243
PLANNED	11/1/2018	4	92	23
PLANNED	11/1/2018	2	198	99
PLANNED	11/1/2018	8	664	83
PLANNED	11/1/2018	1	187	187
PLANNED	11/1/2018	14	210	15
PLANNED	11/1/2018	13	364	28
PLANNED	11/1/2018	13	2,093	161
CUSTOMER REQUEST	11/1/2018	10	6,950	695
PLANNED	11/1/2018	1	42	42
PLANNED	11/1/2018	5	135	27
PLANNED	11/1/2018	8	168	21
PLANNED	11/1/2018	9	405	45
CUSTOMER REQUEST	11/1/2018	13	91	7
PLANNED	11/1/2018	1	98	98
CUSTOMER REQUEST	11/1/2018	1	266	266
PLANNED	11/1/2018	3	39	13
PLANNED	11/1/2018	10	2,800	280
PLANNED	11/1/2018	2	370	185
PLANNED	11/1/2018	4	816	204
PLANNED	11/1/2018	2	214	107
PLANNED	11/1/2018	7	462	66
PLANNED	11/1/2018	4	484	121
PLANNED	11/1/2018	28	2,380	85
PLANNED	11/1/2018	1	201	201
PLANNED	11/1/2018	1	38	38
PLANNED	11/1/2018	1	19	19
PLANNED	11/1/2018	30	720	24
PLANNED	11/1/2018	4	244	61
CUSTOMER REQUEST	11/1/2018	1	23	23
CUSTOMER REQUEST	11/1/2018	14	154	11
PLANNED	11/1/2018	43	4,773	111
PLANNED	11/1/2018	6	468	78
PLANNED	11/1/2018	13	1,144	88
PLANNED	11/1/2018	1	92	92
PLANNED	11/1/2018	24	1,416	59
PLANNED	11/1/2018	5	205	41
PLANNED	11/1/2018	6	174	29
PLANNED	11/1/2018	5	385	77
PLANNED	11/1/2018	13	988	76
PLANNED	11/1/2018	8	600	75
PLANNED	11/1/2018	8	472	59
PLANNED	11/1/2018	10	150	15
PLANNED	11/1/2018	4	236	59
PLANNED	11/1/2018	1	31	31
PLANNED	11/1/2018	2	232	116

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/1/2018	1	56	56
PLANNED	11/1/2018	16	1,168	73
CUSTOMER REQUEST	11/1/2018	1	69	69
CUSTOMER REQUEST	11/1/2018	13	130	10
PLANNED	11/1/2018	1	207	207
PLANNED	11/1/2018	1	47	47
PLANNED	11/1/2018	7	84	12
PLANNED	11/1/2018	5	225	45
CUSTOMER REQUEST	11/1/2018	1	228	228
PLANNED	11/1/2018	16	864	54
PLANNED	11/1/2018	1	54	54
PLANNED	11/1/2018	7	147	21
PLANNED	11/1/2018	1	38	38
CUSTOMER REQUEST	11/1/2018	7	14	2
PLANNED	11/1/2018	1	16	16
PLANNED	11/1/2018	18	108	6
PLANNED	11/1/2018	9	241	73
PLANNED	11/1/2018	1	50	50
PLANNED	11/1/2018	12	816	68
PLANNED	11/1/2018	6	420	70
PLANNED	11/1/2018	3	513	171
PLANNED	11/1/2018	5	590	118
CUSTOMER REQUEST	11/1/2018	1	269	269
PLANNED	11/1/2018	11	1,353	123
PLANNED	11/1/2018	1	291	291
PLANNED	11/2/2018	23	1,886	82
PLANNED	11/2/2018	1	72	72
PLANNED	11/2/2018	16	3,924	282
PLANNED	11/2/2018	15	5,655	377
PLANNED	11/2/2018	5	230	46
PLANNED	11/2/2018	1	131	131
PLANNED	11/2/2018	5	240	48
PLANNED	11/2/2018	4	232	58
PLANNED	11/2/2018	13	1,118	86
PLANNED	11/2/2018	13	2,171	167
PLANNED	11/2/2018	5	990	198
PLANNED	11/2/2018	1	84	84
PLANNED	11/2/2018	2	78	39
PLANNED	11/2/2018	2	56	28
PLANNED	11/2/2018	6	186	31
PLANNED	11/2/2018	4	244	61
PLANNED	11/2/2018	15	255	17
PLANNED	11/2/2018	92	4,140	45
PLANNED	11/2/2018	12	2,220	185
PLANNED	11/2/2018	4	132	33
PLANNED	11/2/2018	1	95	95
CUSTOMER REQUEST	11/2/2018	4	52	13
PLANNED	11/2/2018	2	72	36
PLANNED	11/2/2018	1	121	121
PLANNED	11/2/2018	14	210	15
PLANNED	11/2/2018	8	784	98

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/2/2018	6	222	37
CUSTOMER REQUEST	11/2/2018	8	312	39
PLANNED	11/2/2018	9	1,161	129
CUSTOMER REQUEST	11/2/2018	8	96	45
PLANNED	11/2/2018	12	2,448	204
PLANNED	11/2/2018	4	216	54
PLANNED	11/2/2018	8	112	14
PLANNED	11/2/2018	3	255	85
PLANNED	11/2/2018	1	179	179
PLANNED	11/2/2018	2	450	225
PLANNED	11/2/2018	15	270	18
PLANNED	11/2/2018	5	565	113
CUSTOMER REQUEST	11/2/2018	2	132	66
PLANNED	11/2/2018	4	16	4
PLANNED	11/2/2018	1	42	42
PLANNED	11/2/2018	1	19	19
PLANNED	11/2/2018	13	65	5
PLANNED	11/2/2018	2	240	120
PLANNED	11/2/2018	2	236	118
PLANNED	11/2/2018	9	1,161	129
PLANNED	11/2/2018	3	348	116
PLANNED	11/2/2018	11	957	87
PLANNED	11/2/2018	1	47	47
PLANNED	11/2/2018	6	100	20
CUSTOMER REQUEST	11/2/2018	4	52	13
PLANNED	11/2/2018	1	136	136
PLANNED	11/2/2018	9	639	71
PLANNED	11/2/2018	3	96	32
CUSTOMER REQUEST	11/2/2018	1	155	155
PLANNED	11/2/2018	1	40	40
CUSTOMER REQUEST	11/2/2018	1	151	151
CUSTOMER REQUEST	11/2/2018	1	123	123
PLANNED	11/2/2018	14	196	14
PLANNED	11/2/2018	8	1,488	186
PLANNED	11/2/2018	1	88	88
PLANNED	11/3/2018	5	1,195	239
PLANNED	11/3/2018	1	138	138
CUSTOMER REQUEST	11/3/2018	2	120	60
PLANNED	11/3/2018	12	2,316	194
PLANNED	11/3/2018	8	2,552	319
PLANNED	11/3/2018	2	220	110
CUSTOMER REQUEST	11/3/2018	14	4,522	323
PLANNED	11/3/2018	7	350	50
PLANNED	11/3/2018	8	144	18
PLANNED	11/3/2018	2	120	60
PLANNED	11/3/2018	1	138	138
PLANNED	11/3/2018	2	60	30
PLANNED	11/3/2018	1	35	35
PLANNED	11/4/2018	1	29	29
PLANNED	11/4/2018	7	238	34
PLANNED	11/4/2018	1	188	188

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/4/2018	1	92	92
PLANNED	11/4/2018	1	334	334
PLANNED	11/4/2018	1	500	500
CUSTOMER REQUEST	11/4/2018	501	45,090	90
PLANNED	11/4/2018	2	68	34
PLANNED	11/4/2018	7	1,295	185
PLANNED	11/4/2018	1	403	403
PLANNED	11/4/2018	2	506	253
PLANNED	11/4/2018	1	218	218
PLANNED	11/4/2018	2	72	36
PLANNED	11/4/2018	9	477	53
PLANNED	11/4/2018	2	58	29
PLANNED	11/4/2018	9	207	23
PLANNED	11/4/2018	1	110	110
PLANNED	11/4/2018	14	7,196	514
PLANNED	11/4/2018	6	1,020	170
PLANNED	11/4/2018	1	147	147
PLANNED	11/4/2018	1	35	35
PLANNED	11/4/2018	3	504	168
PLANNED	11/5/2018	1	147	147
PLANNED	11/5/2018	1	88	88
PLANNED	11/5/2018	1	147	147
PLANNED	11/5/2018	1	322	322
PLANNED	11/5/2018	10	2,370	237
PLANNED	11/5/2018	15	3,540	236
PLANNED	11/5/2018	18	558	31
PLANNED	11/5/2018	7	385	55
PLANNED	11/5/2018	6	294	49
PLANNED	11/5/2018	2	84	42
PLANNED	11/5/2018	19	380	20
CUSTOMER REQUEST	11/5/2018	6	96	16
PLANNED	11/5/2018	2	96	48
PLANNED	11/5/2018	6	636	106
PLANNED	11/5/2018	2	214	107
PLANNED	11/5/2018	3	336	112
PLANNED	11/5/2018	2	212	106
PLANNED	11/5/2018	28	616	22
PLANNED	11/5/2018	1	81	81
PLANNED	11/5/2018	8	704	88
PLANNED	11/5/2018	7	112	16
CUSTOMER REQUEST	11/5/2018	9	144	16
PLANNED	11/5/2018	1	144	144
PLANNED	11/5/2018	4	148	37
PLANNED	11/5/2018	1	35	35
PLANNED	11/5/2018	1	125	125
PLANNED	11/5/2018	2	254	127
PLANNED	11/5/2018	1	33	33
PLANNED	11/5/2018	1	129	129
CUSTOMER REQUEST	11/5/2018	3	351	117
PLANNED	11/5/2018	2	264	132
PLANNED	11/5/2018	1	185	185

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/5/2018	3	468	156
PLANNED	11/5/2018	1	74	74
PLANNED	11/5/2018	6	498	83
PLANNED	11/5/2018	8	464	58
PLANNED	11/5/2018	5	560	112
PLANNED	11/5/2018	6	936	156
PLANNED	11/5/2018	8	328	41
PLANNED	11/5/2018	15	825	55
PLANNED	11/5/2018	10	1,300	130
PLANNED	11/5/2018	2	338	169
PLANNED	11/5/2018	1	45	45
PLANNED	11/5/2018	3	669	223
PLANNED	11/5/2018	1	145	145
PLANNED	11/5/2018	4	296	74
PLANNED	11/5/2018	1	181	181
PLANNED	11/5/2018	1	191	191
PLANNED	11/5/2018	2	26	13
PLANNED	11/5/2018	5	320	64
PLANNED	11/5/2018	22	3,740	170
PLANNED	11/5/2018	5	445	89
PLANNED	11/5/2018	6	288	48
PLANNED	11/5/2018	3	186	62
PLANNED	11/5/2018	4	580	145
PLANNED	11/5/2018	7	1,484	212
PLANNED	11/5/2018	12	300	25
PLANNED	11/5/2018	3	111	37
PLANNED	11/5/2018	3	93	31
PLANNED	11/5/2018	8	248	31
PLANNED	11/5/2018	6	276	46
PLANNED	11/5/2018	2	114	57
PLANNED	11/5/2018	10	1,150	115
PLANNED	11/5/2018	11	825	75
PLANNED	11/5/2018	5	1,525	305
PLANNED	11/5/2018	2	142	71
PLANNED	11/5/2018	2	156	78
PLANNED	11/5/2018	6	300	50
PLANNED	11/5/2018	3	132	44
PLANNED	11/5/2018	3	72	24
PLANNED	11/5/2018	1	20	20
PLANNED	11/5/2018	19	475	25
PLANNED	11/5/2018	6	582	97
CUSTOMER REQUEST	11/5/2018	9	270	30
PLANNED	11/5/2018	3	240	80
CUSTOMER REQUEST	11/5/2018	6	72	12
PLANNED	11/5/2018	5	695	139
PLANNED	11/5/2018	2	166	83
PLANNED	11/5/2018	2	166	83
PLANNED	11/5/2018	8	336	42
PLANNED	11/5/2018	2	404	202
PLANNED	11/5/2018	15	675	45
PLANNED	11/5/2018	1	531	531

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	11/5/2018	1	56	56
PLANNED	11/5/2018	8	1,512	189
CUSTOMER REQUEST	11/5/2018	34	10,642	313
PLANNED	11/5/2018	2	116	63
PLANNED	11/6/2018	2	162	81
PLANNED	11/6/2018	1	88	88
PLANNED	11/6/2018	4	308	77
PLANNED	11/6/2018	1	238	238
PLANNED	11/6/2018	14	336	24
PLANNED	11/6/2018	1	28	28
CUSTOMER REQUEST	11/6/2018	3	609	203
PLANNED	11/6/2018	2	478	239
PLANNED	11/6/2018	3	681	227
PLANNED	11/6/2018	1	772	772
PLANNED	11/6/2018	1	385	385
PLANNED	11/6/2018	5	1,300	260
PLANNED	11/6/2018	5	860	172
PLANNED	11/6/2018	2	362	181
PLANNED	11/6/2018	1	37	37
PLANNED	11/6/2018	9	378	42
PLANNED	11/6/2018	6	1,026	171
PLANNED	11/6/2018	1	127	127
PLANNED	11/6/2018	40	10,120	253
PLANNED	11/6/2018	1	126	126
PLANNED	11/6/2018	1	335	335
PLANNED	11/6/2018	6	408	68
PLANNED	11/6/2018	2	148	74
PLANNED	11/6/2018	6	18	3
PLANNED	11/6/2018	2	236	118
PLANNED	11/6/2018	3	153	51
PLANNED	11/6/2018	1	115	115
PLANNED	11/6/2018	3	513	171
PLANNED	11/6/2018	15	1,965	131
PLANNED	11/6/2018	2	618	309
PLANNED	11/6/2018	7	840	120
PLANNED	11/6/2018	1	78	78
PLANNED	11/6/2018	40	1,600	40
PLANNED	11/6/2018	4	144	36
PLANNED	11/6/2018	4	364	91
PLANNED	11/6/2018	8	64	8
PLANNED	11/6/2018	9	117	13
PLANNED	11/6/2018	7	280	40
CUSTOMER REQUEST	11/6/2018	3	54	18
PLANNED	11/6/2018	13	845	65
PLANNED	11/6/2018	27	9,383	357
PLANNED	11/6/2018	2	240	120
PLANNED	11/6/2018	1	103	103
PLANNED	11/6/2018	2	238	119
PLANNED	11/6/2018	1	49	49
PLANNED	11/6/2018	3	264	88
PLANNED	11/6/2018	3	255	85

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/6/2018	7	1,813	259
CUSTOMER REQUEST	11/6/2018	1	79	79
PLANNED	11/6/2018	10	1,570	157
PLANNED	11/6/2018	1	109	109
CUSTOMER REQUEST	11/6/2018	12	1,620	135
PLANNED	11/6/2018	8	376	47
PLANNED	11/6/2018	2	32	16
PLANNED	11/6/2018	13	1,391	107
PLANNED	11/6/2018	5	165	33
PLANNED	11/6/2018	4	592	148
PLANNED	11/6/2018	3	315	105
PLANNED	11/6/2018	11	836	76
PLANNED	11/6/2018	4	56	14
PLANNED	11/6/2018	2	214	107
PLANNED	11/6/2018	1	7	7
PLANNED	11/6/2018	12	132	11
PLANNED	11/6/2018	2	202	101
PLANNED	11/6/2018	8	192	24
PLANNED	11/6/2018	13	767	59
PLANNED	11/6/2018	2	294	147
PLANNED	11/6/2018	1	24	24
PLANNED	11/6/2018	5	490	98
PLANNED	11/6/2018	1	72	72
CUSTOMER REQUEST	11/6/2018	22	1,452	66
PLANNED	11/6/2018	4	140	35
PLANNED	11/6/2018	2	186	93
PLANNED	11/6/2018	3	54	18
PLANNED	11/6/2018	21	1,533	73
PLANNED	11/6/2018	1	59	59
PLANNED	11/6/2018	8	352	44
PLANNED	11/6/2018	1	6	6
PLANNED	11/6/2018	7	1,211	173
PLANNED	11/6/2018	2	138	69
PLANNED	11/6/2018	5	300	60
PLANNED	11/6/2018	4	64	16
PLANNED	11/6/2018	7	581	83
PLANNED	11/6/2018	3	108	36
PLANNED	11/6/2018	6	642	107
PLANNED	11/6/2018	2	80	40
PLANNED	11/6/2018	7	2,191	313
PLANNED	11/6/2018	2	216	108
PLANNED	11/6/2018	3	384	128
CUSTOMER REQUEST	11/6/2018	187	374	2
PLANNED	11/6/2018	4	736	184
PLANNED	11/6/2018	10	2,540	254
PLANNED	11/6/2018	19	2,014	106
PLANNED	11/6/2018	3	591	197
PLANNED	11/6/2018	2	282	141
PLANNED	11/7/2018	3	138	46
PLANNED	11/7/2018	1	378	378
CUSTOMER REQUEST	11/7/2018	1	701	701

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/7/2018	1	32	32
PLANNED	11/7/2018	52	5,148	99
PLANNED	11/7/2018	10	360	36
PLANNED	11/7/2018	11	2,310	210
PLANNED	11/7/2018	11	121	11
PLANNED	11/7/2018	13	455	35
PLANNED	11/7/2018	2	152	76
PLANNED	11/7/2018	1	157	157
PLANNED	11/7/2018	6	444	74
PLANNED	11/7/2018	12	540	45
PLANNED	11/7/2018	4	84	21
PLANNED	11/7/2018	4	188	47
PLANNED	11/7/2018	17	2,006	118
PLANNED	11/7/2018	12	1,104	92
PLANNED	11/7/2018	2	162	81
PLANNED	11/7/2018	2	258	129
PLANNED	11/7/2018	4	2,416	604
CUSTOMER REQUEST	11/7/2018	10	1,900	190
PLANNED	11/7/2018	78	10,218	131
CUSTOMER REQUEST	11/7/2018	19	95	5
PLANNED	11/7/2018	1	304	304
PLANNED	11/7/2018	1	66	66
PLANNED	11/7/2018	1	140	140
PLANNED	11/7/2018	3	99	33
PLANNED	11/7/2018	12	12	1
PLANNED	11/7/2018	1	53	53
PLANNED	11/7/2018	1	144	144
PLANNED	11/7/2018	2	290	145
PLANNED	11/7/2018	1	378	378
PLANNED	11/7/2018	144	7,320	90
PLANNED	11/7/2018	1	194	194
PLANNED	11/7/2018	1	7	7
PLANNED	11/7/2018	2	68	34
PLANNED	11/7/2018	2	262	131
PLANNED	11/7/2018	4	188	47
PLANNED	11/7/2018	9	1,062	118
PLANNED	11/7/2018	1	130	130
PLANNED	11/7/2018	2	312	156
PLANNED	11/7/2018	4	332	83
PLANNED	11/7/2018	11	1,111	101
PLANNED	11/7/2018	1	130	130
PLANNED	11/7/2018	4	368	92
PLANNED	11/7/2018	71	11,715	165
PLANNED	11/7/2018	1	211	211
PLANNED	11/7/2018	5	710	142
PLANNED	11/7/2018	6	30	5
PLANNED	11/7/2018	3	237	79
PLANNED	11/7/2018	1	70	70
CUSTOMER REQUEST	11/7/2018	3	72	24
PLANNED	11/7/2018	1	254	254
PLANNED	11/7/2018	6	612	102

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/7/2018	7	42	6
PLANNED	11/7/2018	37	3,219	87
PLANNED	11/7/2018	1	16	16
PLANNED	11/7/2018	2	92	46
PLANNED	11/7/2018	6	198	33
PLANNED	11/7/2018	39	5,343	137
PLANNED	11/7/2018	12	420	35
PLANNED	11/7/2018	6	444	74
PLANNED	11/7/2018	7	987	141
PLANNED	11/7/2018	1	55	55
PLANNED	11/7/2018	11	154	14
CUSTOMER REQUEST	11/7/2018	16	880	55
PLANNED	11/7/2018	7	49	7
PLANNED	11/7/2018	1	81	81
PLANNED	11/7/2018	3	318	106
PLANNED	11/7/2018	1	25	25
PLANNED	11/7/2018	3	522	174
PLANNED	11/7/2018	1	163	163
PLANNED	11/7/2018	2	354	177
PLANNED	11/7/2018	8	352	44
PLANNED	11/7/2018	3	363	121
PLANNED	11/7/2018	3	6	2
PLANNED	11/7/2018	1	96	96
PLANNED	11/7/2018	8	520	65
PLANNED	11/7/2018	5	255	51
PLANNED	11/7/2018	6	54	9
PLANNED	11/7/2018	23	2,576	112
PLANNED	11/7/2018	3	330	110
PLANNED	11/7/2018	8	48	6
PLANNED	11/7/2018	4	472	118
PLANNED	11/7/2018	2	250	125
PLANNED	11/7/2018	4	752	188
PLANNED	11/7/2018	12	504	42
PLANNED	11/7/2018	6	204	34
PLANNED	11/7/2018	17	671	219
PLANNED	11/7/2018	8	520	65
PLANNED	11/7/2018	1	12	12
PLANNED	11/7/2018	1	100	100
PLANNED	11/7/2018	4	392	98
PLANNED	11/7/2018	2	292	146
PLANNED	11/7/2018	4	156	39
PLANNED	11/7/2018	7	42	6
PLANNED	11/7/2018	1	56	56
PLANNED	11/7/2018	1	52	52
PLANNED	11/7/2018	1	83	83
PLANNED	11/7/2018	12	1,944	162
PLANNED	11/7/2018	8	848	106
PLANNED	11/7/2018	1	27	27
PLANNED	11/7/2018	3	243	81
PLANNED	11/7/2018	1	29	29
CUSTOMER REQUEST	11/7/2018	19	2,356	124

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/7/2018	9	144	16
PLANNED	11/7/2018	10	110	11
PLANNED	11/7/2018	1	80	80
PLANNED	11/7/2018	4	52	13
PLANNED	11/7/2018	4	144	36
CUSTOMER REQUEST	11/7/2018	1	710	710
PLANNED	11/8/2018	18	1,152	64
PLANNED	11/8/2018	4	160	40
PLANNED	11/8/2018	1	28	28
PLANNED	11/8/2018	5	450	90
PLANNED	11/8/2018	6	252	42
PLANNED	11/8/2018	3	126	42
PLANNED	11/8/2018	1	223	223
PLANNED	11/8/2018	13	1,742	134
PLANNED	11/8/2018	1	456	456
PLANNED	11/8/2018	1	42	42
PLANNED	11/8/2018	10	1,210	121
PLANNED	11/8/2018	14	1,344	96
PLANNED	11/8/2018	1	113	113
PLANNED	11/8/2018	25	4,100	164
PLANNED	11/8/2018	5	245	49
PLANNED	11/8/2018	1	113	113
PLANNED	11/8/2018	10	2,450	245
PLANNED	11/8/2018	1	87	87
PLANNED	11/8/2018	1	81	81
PLANNED	11/8/2018	4	228	57
PLANNED	11/8/2018	2	206	103
PLANNED	11/8/2018	11	1,034	94
PLANNED	11/8/2018	12	612	51
PLANNED	11/8/2018	14	742	53
PLANNED	11/8/2018	10	140	14
CUSTOMER REQUEST	11/8/2018	14	70	5
PLANNED	11/8/2018	1	261	261
PLANNED	11/8/2018	6	168	28
PLANNED	11/8/2018	5	325	65
PLANNED	11/8/2018	8	1,128	141
PLANNED	11/8/2018	4	564	141
PLANNED	11/8/2018	15	1,260	84
PLANNED	11/8/2018	6	6	1
PLANNED	11/8/2018	6	792	132
CUSTOMER REQUEST	11/8/2018	5	935	187
PLANNED	11/8/2018	8	1,704	213
PLANNED	11/8/2018	1	13	13
PLANNED	11/8/2018	5	65	13
PLANNED	11/8/2018	3	114	38
PLANNED	11/8/2018	19	4,370	230
PLANNED	11/8/2018	2	210	105
PLANNED	11/8/2018	6	588	98
PLANNED	11/8/2018	8	1,144	143
PLANNED	11/8/2018	2	182	91
PLANNED	11/8/2018	31	2,170	70

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/8/2018	67	2,881	43
PLANNED	11/8/2018	1	139	139
CUSTOMER REQUEST	11/8/2018	5	435	87
PLANNED	11/8/2018	4	512	128
CUSTOMER REQUEST	11/8/2018	1	208	208
PLANNED	11/8/2018	7	175	25
PLANNED	11/8/2018	9	513	57
PLANNED	11/8/2018	8	584	73
PLANNED	11/8/2018	4	288	72
PLANNED	11/8/2018	8	392	49
PLANNED	11/8/2018	4	204	51
PLANNED	11/8/2018	12	2,112	176
PLANNED	11/8/2018	1	96	96
PLANNED	11/8/2018	1	132	132
PLANNED	11/8/2018	20	440	22
PLANNED	11/8/2018	10	720	72
PLANNED	11/8/2018	2	126	63
PLANNED	11/8/2018	2	566	283
PLANNED	11/8/2018	1	117	117
PLANNED	11/8/2018	4	692	173
PLANNED	11/8/2018	22	2,046	93
PLANNED	11/8/2018	15	210	14
CUSTOMER REQUEST	11/8/2018	1	111	111
CUSTOMER REQUEST	11/8/2018	1	82	82
PLANNED	11/8/2018	4	1,168	292
PLANNED	11/8/2018	1	48	48
PLANNED	11/8/2018	2	290	145
PLANNED	11/8/2018	10	840	84
PLANNED	11/8/2018	11	1,056	96
PLANNED	11/8/2018	17	714	42
PLANNED	11/8/2018	6	510	85
PLANNED	11/8/2018	8	1,024	128
CUSTOMER REQUEST	11/8/2018	1	349	349
PLANNED	11/8/2018	30	1,620	54
PLANNED	11/8/2018	3	303	101
PLANNED	11/8/2018	3	108	36
CUSTOMER REQUEST	11/8/2018	4	244	61
CUSTOMER REQUEST	11/8/2018	1	63	63
CUSTOMER REQUEST	11/8/2018	9	90	10
PLANNED	11/8/2018	12	780	65
PLANNED	11/8/2018	1	1	1
PLANNED	11/8/2018	9	1,134	126
PLANNED	11/8/2018	13	975	75
PLANNED	11/8/2018	1	99	99
PLANNED	11/8/2018	24	1,776	74
PLANNED	11/8/2018	1	90	90
PLANNED	11/8/2018	3	282	94
PLANNED	11/8/2018	8	112	14
PLANNED	11/8/2018	11	286	26
PLANNED	11/8/2018	6	606	101
PLANNED	11/8/2018	1	45	45

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/8/2018	1	29	29
PLANNED	11/8/2018	31	2,263	73
PLANNED	11/8/2018	1	104	104
PLANNED	11/8/2018	4	428	107
CUSTOMER REQUEST	11/8/2018	1	106	106
PLANNED	11/8/2018	2	150	75
PLANNED	11/8/2018	4	28	7
PLANNED	11/8/2018	4	456	114
PLANNED	11/8/2018	7	511	73
PLANNED	11/8/2018	5	485	97
PLANNED	11/8/2018	10	1,070	107
PLANNED	11/8/2018	12	1,344	112
PLANNED	11/9/2018	106	6,572	62
PLANNED	11/9/2018	20	780	39
PLANNED	11/9/2018	26	2,756	106
PLANNED	11/9/2018	9	1,107	123
PLANNED	11/9/2018	8	1,064	133
PLANNED	11/9/2018	7	637	91
PLANNED	11/9/2018	1	85	85
PLANNED	11/9/2018	1	17	17
PLANNED	11/9/2018	9	1,053	117
PLANNED	11/9/2018	9	1,053	117
PLANNED	11/9/2018	26	5,512	212
PLANNED	11/9/2018	32	4,640	145
PLANNED	11/9/2018	1	47	47
PLANNED	11/9/2018	15	1,950	130
PLANNED	11/9/2018	26	3,328	128
PLANNED	11/9/2018	6	396	66
PLANNED	11/9/2018	49	1,029	21
PLANNED	11/9/2018	1	544	544
PLANNED	11/9/2018	1	145	145
PLANNED	11/9/2018	8	440	55
PLANNED	11/9/2018	3	147	49
PLANNED	11/9/2018	2	164	82
CUSTOMER REQUEST	11/9/2018	2,291	161,978	1,304
PLANNED	11/9/2018	1	74	74
PLANNED	11/9/2018	1	29	29
PLANNED	11/9/2018	22	2,464	112
PLANNED	11/9/2018	4	28	7
PLANNED	11/9/2018	4	144	36
PLANNED	11/9/2018	17	2,159	127
PLANNED	11/9/2018	1	269	269
PLANNED	11/9/2018	3	804	268
PLANNED	11/9/2018	8	88	11
PLANNED	11/9/2018	2	112	56
PLANNED	11/9/2018	6	528	88
PLANNED	11/9/2018	10	180	18
PLANNED	11/9/2018	7	3,136	448
PLANNED	11/9/2018	11	352	32
PLANNED	11/9/2018	1	125	125
PLANNED	11/9/2018	111	19,536	176

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/9/2018	2	156	78
PLANNED	11/9/2018	1	132	132
PLANNED	11/9/2018	4	124	31
PLANNED	11/9/2018	1	30	30
PLANNED	11/9/2018	2	24	12
PLANNED	11/9/2018	11	1,320	120
PLANNED	11/9/2018	8	384	48
PLANNED	11/9/2018	4	560	140
PLANNED	11/9/2018	20	1,060	53
PLANNED	11/9/2018	20	1,200	60
PLANNED	11/9/2018	37	3,996	108
PLANNED	11/9/2018	5	360	72
PLANNED	11/9/2018	3	282	94
PLANNED	11/9/2018	1	9	9
PLANNED	11/9/2018	3	459	153
PLANNED	11/9/2018	4	120	30
PLANNED	11/9/2018	1	64	64
PLANNED	11/9/2018	1	58	58
PLANNED	11/9/2018	8	512	64
PLANNED	11/9/2018	4	52	13
PLANNED	11/9/2018	1	27	27
PLANNED	11/9/2018	4	112	28
PLANNED	11/9/2018	17	323	19
PLANNED	11/9/2018	8	28	21
PLANNED	11/9/2018	1	23	23
PLANNED	11/9/2018	1	24	24
PLANNED	11/9/2018	5	775	155
PLANNED	11/9/2018	2	86	43
PLANNED	11/9/2018	1	287	287
PLANNED	11/9/2018	1	146	146
PLANNED	11/9/2018	7	1,260	180
PLANNED	11/9/2018	2	678	339
PLANNED	11/9/2018	3	1,041	347
PLANNED	11/9/2018	6	2,232	372
PLANNED	11/10/2018	1	215	215
PLANNED	11/10/2018	1	108	108
PLANNED	11/10/2018	5	240	48
PLANNED	11/10/2018	1	219	219
PLANNED	11/10/2018	3	321	107
PLANNED	11/10/2018	3	726	242
PLANNED	11/10/2018	2	436	218
CUSTOMER REQUEST	11/10/2018	7	553	79
PLANNED	11/10/2018	5	990	198
PLANNED	11/10/2018	1	194	194
CUSTOMER REQUEST	11/10/2018	1	24	24
PLANNED	11/10/2018	9	1,665	185
PLANNED	11/10/2018	1	239	239
PLANNED	11/10/2018	1	34	34
PLANNED	11/10/2018	1	99	99
CUSTOMER REQUEST	11/10/2018	1	93	93
PLANNED	11/11/2018	1	210	210

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/11/2018	1	14	14
PLANNED	11/11/2018	1	405	405
PLANNED	11/11/2018	3	360	120
PLANNED	11/11/2018	1	214	214
PLANNED	11/11/2018	6	864	144
PLANNED	11/11/2018	1	88	88
PLANNED	11/11/2018	9	882	98
PLANNED	11/11/2018	4	274	96
PLANNED	11/11/2018	1	61	61
PLANNED	11/11/2018	3	288	96
PLANNED	11/11/2018	2	166	83
PLANNED	11/11/2018	2	254	127
CUSTOMER REQUEST	11/11/2018	126	7,434	59
PLANNED	11/11/2018	5	1,235	247
PLANNED	11/12/2018	10	810	81
PLANNED	11/12/2018	9	1,809	201
PLANNED	11/12/2018	18	3,636	202
PLANNED	11/12/2018	3	318	106
PLANNED	11/12/2018	1	136	136
PLANNED	11/12/2018	1	123	123
PLANNED	11/12/2018	8	1,440	180
PLANNED	11/12/2018	3	639	213
PLANNED	11/12/2018	7	560	80
PLANNED	11/12/2018	1	123	123
PLANNED	11/12/2018	7	280	40
PLANNED	11/12/2018	22	4,048	184
PLANNED	11/12/2018	1	30	30
PLANNED	11/12/2018	1	174	174
PLANNED	11/12/2018	7	1,729	247
PLANNED	11/12/2018	9	1,818	202
PLANNED	11/12/2018	2	470	235
PLANNED	11/12/2018	8	160	20
PLANNED	11/12/2018	3	384	128
PLANNED	11/12/2018	4	420	105
PLANNED	11/12/2018	5	440	88
PLANNED	11/12/2018	6	228	38
PLANNED	11/12/2018	1	70	70
PLANNED	11/12/2018	3	303	101
PLANNED	11/12/2018	7	1,358	194
PLANNED	11/12/2018	28	2,436	87
PLANNED	11/12/2018	1	126	126
PLANNED	11/12/2018	1	50	50
PLANNED	11/12/2018	10	2,290	229
PLANNED	11/12/2018	1	171	171
PLANNED	11/12/2018	1	82	82
PLANNED	11/12/2018	5	320	64
PLANNED	11/12/2018	9	990	110
PLANNED	11/12/2018	19	285	15
PLANNED	11/12/2018	1	34	34
PLANNED	11/12/2018	1	9	9
PLANNED	11/12/2018	2	40	20

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/12/2018	1	85	85
PLANNED	11/12/2018	4	164	41
PLANNED	11/12/2018	9	522	58
PLANNED	11/12/2018	2	154	77
PLANNED	11/12/2018	1	52	52
PLANNED	11/12/2018	2	70	35
PLANNED	11/12/2018	13	195	15
PLANNED	11/12/2018	8	320	40
PLANNED	11/12/2018	2	122	61
PLANNED	11/12/2018	6	558	93
PLANNED	11/12/2018	6	492	82
PLANNED	11/12/2018	3	87	29
PLANNED	11/12/2018	7	539	77
PLANNED	11/12/2018	6	510	85
PLANNED	11/12/2018	8	2,224	278
PLANNED	11/12/2018	1	161	161
PLANNED	11/12/2018	2	176	88
PLANNED	11/12/2018	8	544	68
PLANNED	11/12/2018	2	162	81
CUSTOMER REQUEST	11/12/2018	9	1,629	181
PLANNED	11/12/2018	3	969	323
PLANNED	11/12/2018	1	95	95
PLANNED	11/12/2018	3	381	127
PLANNED	11/12/2018	3	192	64
PLANNED	11/12/2018	2	254	127
PLANNED	11/13/2018	1	81	81
PLANNED	11/13/2018	5	590	118
PLANNED	11/13/2018	1	196	196
PLANNED	11/13/2018	1	59	59
PLANNED	11/13/2018	8	1,376	172
PLANNED	11/13/2018	12	132	11
PLANNED	11/13/2018	1	467	467
PLANNED	11/13/2018	2	88	44
PLANNED	11/13/2018	12	216	18
PLANNED	11/13/2018	23	3,220	140
PLANNED	11/13/2018	1	39	39
PLANNED	11/13/2018	31	9,610	310
CUSTOMER REQUEST	11/13/2018	12	7,044	587
PLANNED	11/13/2018	4	144	36
PLANNED	11/13/2018	8	160	20
CUSTOMER REQUEST	11/13/2018	1	203	203
PLANNED	11/13/2018	1	137	137
PLANNED	11/13/2018	1	326	326
PLANNED	11/13/2018	1	52	52
PLANNED	11/13/2018	3	24	8
PLANNED	11/13/2018	1	330	330
PLANNED	11/13/2018	1	99	99
PLANNED	11/13/2018	5	985	197
PLANNED	11/13/2018	8	1,088	136
CUSTOMER REQUEST	11/13/2018	8	1,016	127
PLANNED	11/13/2018	3	504	168

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/13/2018	7	42	6
PLANNED	11/13/2018	4	52	13
PLANNED	11/13/2018	4	148	37
PLANNED	11/13/2018	33	3,927	119
PLANNED	11/13/2018	9	828	92
CUSTOMER REQUEST	11/13/2018	1	576	576
PLANNED	11/13/2018	8	120	15
PLANNED	11/13/2018	1	103	103
PLANNED	11/13/2018	3	234	78
PLANNED	11/13/2018	11	407	37
CUSTOMER REQUEST	11/13/2018	1	180	180
PLANNED	11/13/2018	10	790	79
PLANNED	11/13/2018	4	268	67
PLANNED	11/13/2018	2	362	181
PLANNED	11/13/2018	6	24	4
PLANNED	11/13/2018	1	45	45
PLANNED	11/13/2018	5	389	172
PLANNED	11/13/2018	1	291	291
PLANNED	11/13/2018	8	168	21
PLANNED	11/13/2018	1	69	69
PLANNED	11/13/2018	3	402	134
PLANNED	11/13/2018	1	92	92
PLANNED	11/13/2018	1	28	28
PLANNED	11/13/2018	1	86	86
PLANNED	11/13/2018	8	600	75
PLANNED	11/13/2018	1	182	182
PLANNED	11/13/2018	8	152	19
PLANNED	11/13/2018	1	64	64
PLANNED	11/13/2018	8	2,416	302
PLANNED	11/13/2018	1	32	32
PLANNED	11/13/2018	1	13	13
PLANNED	11/13/2018	3	42	14
PLANNED	11/13/2018	7	84	12
PLANNED	11/13/2018	2	74	37
PLANNED	11/13/2018	3	345	115
PLANNED	11/13/2018	3	51	17
PLANNED	11/13/2018	2	100	50
PLANNED	11/13/2018	18	1,800	100
PLANNED	11/13/2018	9	1,179	131
PLANNED	11/13/2018	12	840	70
PLANNED	11/13/2018	1	56	56
PLANNED	11/13/2018	9	315	35
PLANNED	11/13/2018	17	2,567	151
PLANNED	11/13/2018	3	450	150
PLANNED	11/13/2018	2	300	150
PLANNED	11/13/2018	12	60	5
CUSTOMER REQUEST	11/13/2018	1	93	93
PLANNED	11/13/2018	5	35	7
PLANNED	11/13/2018	2	182	91
PLANNED	11/13/2018	7	434	62
PLANNED	11/13/2018	10	1,170	117

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/13/2018	13	1,690	130
CUSTOMER REQUEST	11/13/2018	1	304	304
PLANNED	11/13/2018	3	336	112
PLANNED	11/13/2018	1	228	228
PLANNED	11/13/2018	1	86	86
PLANNED	11/13/2018	3	1,566	522
PLANNED	11/13/2018	5	100	20
PLANNED	11/13/2018	10	2,910	291
PLANNED	11/13/2018	4	368	92
PLANNED	11/13/2018	1	253	253
PLANNED	11/13/2018	1	252	252
PLANNED	11/13/2018	2	52	26
PLANNED	11/13/2018	3	237	79
PLANNED	11/13/2018	1	60	60
PLANNED	11/14/2018	1	205	205
PLANNED	11/14/2018	6	450	75
PLANNED	11/14/2018	3	348	116
PLANNED	11/14/2018	8	1,184	148
CUSTOMER REQUEST	11/14/2018	53	12,137	229
PLANNED	11/14/2018	2	430	215
PLANNED	11/14/2018	9	63	7
PLANNED	11/14/2018	7	966	138
PLANNED	11/14/2018	6	72	12
PLANNED	11/14/2018	33	2,640	80
PLANNED	11/14/2018	8	576	72
PLANNED	11/14/2018	2	184	92
PLANNED	11/14/2018	12	2,316	193
PLANNED	11/14/2018	3	249	83
PLANNED	11/14/2018	2	84	42
PLANNED	11/14/2018	1	151	151
PLANNED	11/14/2018	4	196	49
PLANNED	11/14/2018	29	1,334	46
CUSTOMER REQUEST	11/14/2018	6	3,492	582
PLANNED	11/14/2018	6	18	3
PLANNED	11/14/2018	3	138	46
PLANNED	11/14/2018	5	440	88
PLANNED	11/14/2018	7	595	85
PLANNED	11/14/2018	9	1,575	175
CUSTOMER REQUEST	11/14/2018	5	45	9
PLANNED	11/14/2018	4	408	102
PLANNED	11/14/2018	1	123	123
PLANNED	11/14/2018	2	110	55
PLANNED	11/14/2018	1	141	141
PLANNED	11/14/2018	24	720	30
PLANNED	11/14/2018	1	35	35
PLANNED	11/14/2018	37	10,064	272
PLANNED	11/14/2018	3	837	279
PLANNED	11/14/2018	7	301	43
PLANNED	11/14/2018	2	296	148
CUSTOMER REQUEST	11/14/2018	1	266	266
PLANNED	11/14/2018	2	208	104

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/14/2018	13	2,002	154
PLANNED	11/14/2018	9	1,503	167
PLANNED	11/14/2018	15	1,320	88
CUSTOMER REQUEST	11/14/2018	1	61	61
PLANNED	11/14/2018	1	301	301
PLANNED	11/14/2018	1	137	137
PLANNED	11/14/2018	2	28	14
PLANNED	11/14/2018	1	173	173
PLANNED	11/14/2018	33	2,475	75
PLANNED	11/14/2018	7	266	38
PLANNED	11/14/2018	2	286	143
CUSTOMER REQUEST	11/14/2018	3	21	7
PLANNED	11/14/2018	6	708	118
PLANNED	11/14/2018	1	22	22
PLANNED	11/14/2018	5	175	35
PLANNED	11/14/2018	1	6	6
PLANNED	11/14/2018	1	61	61
PLANNED	11/14/2018	3	249	83
CUSTOMER REQUEST	11/14/2018	1	88	88
PLANNED	11/14/2018	15	3,240	216
PLANNED	11/14/2018	14	2,982	213
PLANNED	11/14/2018	20	100	5
CUSTOMER REQUEST	11/14/2018	1	38	38
PLANNED	11/14/2018	4	64	16
PLANNED	11/14/2018	3	297	99
CUSTOMER REQUEST	11/14/2018	1	173	173
PLANNED	11/14/2018	16	224	14
PLANNED	11/14/2018	4	92	23
PLANNED	11/14/2018	19	1,064	56
PLANNED	11/14/2018	19	1,045	55
PLANNED	11/14/2018	4	228	57
PLANNED	11/14/2018	8	464	58
PLANNED	11/14/2018	2	22	11
PLANNED	11/14/2018	20	1,220	61
PLANNED	11/14/2018	2	106	53
PLANNED	11/14/2018	1	81	81
PLANNED	11/14/2018	2	96	48
PLANNED	11/14/2018	2	338	169
PLANNED	11/14/2018	1	37	37
PLANNED	11/14/2018	2	44	22
PLANNED	11/14/2018	6	372	62
PLANNED	11/14/2018	10	450	45
PLANNED	11/14/2018	11	649	59
PLANNED	11/14/2018	1	146	146
PLANNED	11/14/2018	1	126	126
PLANNED	11/14/2018	1	120	120
PLANNED	11/14/2018	8	1,456	182
PLANNED	11/14/2018	11	2,013	183
PLANNED	11/14/2018	3	216	72
PLANNED	11/14/2018	1	36	36
PLANNED	11/14/2018	4	776	194

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/14/2018	1	79	79
PLANNED	11/15/2018	2	302	151
PLANNED	11/15/2018	1	184	184
PLANNED	11/15/2018	1	126	126
PLANNED	11/15/2018	5	985	197
PLANNED	11/15/2018	2	240	120
PLANNED	11/15/2018	1	59	59
PLANNED	11/15/2018	1	114	114
PLANNED	11/15/2018	2	260	130
PLANNED	11/15/2018	1	49	49
PLANNED	11/15/2018	3	147	49
PLANNED	11/15/2018	7	532	76
PLANNED	11/15/2018	12	600	50
PLANNED	11/15/2018	31	6,510	210
PLANNED	11/15/2018	12	1,140	95
PLANNED	11/15/2018	55	9,790	178
CUSTOMER REQUEST	11/15/2018	8	40	5
PLANNED	11/15/2018	2	340	170
PLANNED	11/15/2018	1	306	306
PLANNED	11/15/2018	3	267	89
CUSTOMER REQUEST	11/15/2018	17	6,375	375
PLANNED	11/15/2018	2	238	119
PLANNED	11/15/2018	8	112	14
PLANNED	11/15/2018	1	151	151
CUSTOMER REQUEST	11/15/2018	1	188	188
PLANNED	11/15/2018	2	136	68
PLANNED	11/15/2018	11	341	31
PLANNED	11/15/2018	1	33	33
PLANNED	11/15/2018	1	75	75
PLANNED	11/15/2018	12	1,428	119
PLANNED	11/15/2018	45	4,230	94
PLANNED	11/15/2018	8	544	68
PLANNED	11/15/2018	23	3,174	138
PLANNED	11/15/2018	33	3,036	92
PLANNED	11/15/2018	6	450	75
CUSTOMER REQUEST	11/15/2018	6	438	73
PLANNED	11/15/2018	17	3,944	232
PLANNED	11/15/2018	9	288	32
PLANNED	11/15/2018	1	63	63
PLANNED	11/15/2018	1	28	28
CUSTOMER REQUEST	11/15/2018	13	5,702	440
PLANNED	11/15/2018	2	338	169
CUSTOMER REQUEST	11/15/2018	7	112	16
PLANNED	11/15/2018	8	384	48
PLANNED	11/15/2018	6	384	64
PLANNED	11/15/2018	2	76	38
PLANNED	11/15/2018	6	120	20
PLANNED	11/15/2018	4	444	111
PLANNED	11/15/2018	9	2,394	266
PLANNED	11/15/2018	2	92	46
PLANNED	11/15/2018	2	94	47

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/15/2018	3	498	166
PLANNED	11/15/2018	7	623	89
PLANNED	11/15/2018	6	1,146	191
PLANNED	11/15/2018	2	210	105
PLANNED	11/15/2018	10	130	13
PLANNED	11/15/2018	8	232	29
CUSTOMER REQUEST	11/15/2018	8	248	31
PLANNED	11/15/2018	8	760	95
CUSTOMER REQUEST	11/15/2018	1	130	130
PLANNED	11/15/2018	6	312	52
PLANNED	11/15/2018	12	528	44
PLANNED	11/15/2018	41	41	2
PLANNED	11/15/2018	10	180	18
PLANNED	11/15/2018	6	702	117
PLANNED	11/15/2018	8	680	85
PLANNED	11/15/2018	5	245	49
PLANNED	11/15/2018	1	61	61
PLANNED	11/15/2018	1	165	165
CUSTOMER REQUEST	11/15/2018	1	65	65
PLANNED	11/15/2018	1	235	235
CUSTOMER REQUEST	11/15/2018	1	455	455
PLANNED	11/15/2018	1	56	56
PLANNED	11/15/2018	13	1,235	95
PLANNED	11/15/2018	1	61	61
PLANNED	11/15/2018	1	82	82
PLANNED	11/16/2018	1	111	111
PLANNED	11/16/2018	5	985	197
PLANNED	11/16/2018	1	163	163
PLANNED	11/16/2018	14	2,590	185
PLANNED	11/16/2018	1	65	65
PLANNED	11/16/2018	10	1,600	160
PLANNED	11/16/2018	1	270	270
PLANNED	11/16/2018	1	26	26
PLANNED	11/16/2018	8	56	7
CUSTOMER REQUEST	11/16/2018	1	240	240
PLANNED	11/16/2018	2	50	25
CUSTOMER REQUEST	11/16/2018	35	3,990	114
PLANNED	11/16/2018	5	890	178
PLANNED	11/16/2018	8	1,400	175
PLANNED	11/16/2018	5	525	105
PLANNED	11/16/2018	6	750	125
PLANNED	11/16/2018	10	680	68
PLANNED	11/16/2018	6	1,002	167
PLANNED	11/16/2018	5	576	140
PLANNED	11/16/2018	3	60	20
PLANNED	11/16/2018	31	1,085	35
PLANNED	11/16/2018	3	858	286
PLANNED	11/16/2018	1	172	172
PLANNED	11/16/2018	1	473	473
PLANNED	11/16/2018	1	88	88
PLANNED	11/16/2018	1	110	110

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/16/2018	1	241	241
PLANNED	11/16/2018	1	157	157
PLANNED	11/16/2018	27	5,211	193
PLANNED	11/16/2018	1	33	33
PLANNED	11/16/2018	8	1,024	128
PLANNED	11/16/2018	5	775	155
CUSTOMER REQUEST	11/16/2018	1	80	80
PLANNED	11/16/2018	15	3,075	205
PLANNED	11/16/2018	4	12	3
PLANNED	11/16/2018	31	2,976	96
PLANNED	11/16/2018	1	31	31
CUSTOMER REQUEST	11/16/2018	1	55	55
PLANNED	11/16/2018	6	324	54
PLANNED	11/16/2018	4	388	97
PLANNED	11/16/2018	10	990	99
PLANNED	11/16/2018	4	320	80
PLANNED	11/16/2018	7	133	19
PLANNED	11/16/2018	25	1,775	71
PLANNED	11/16/2018	4	148	37
PLANNED	11/16/2018	17	1,326	78
PLANNED	11/16/2018	1	234	234
PLANNED	11/16/2018	1	109	109
PLANNED	11/16/2018	4	156	39
PLANNED	11/16/2018	4	352	88
PLANNED	11/16/2018	6	528	88
PLANNED	11/16/2018	1	85	85
PLANNED	11/16/2018	7	1,050	150
PLANNED	11/16/2018	6	240	40
PLANNED	11/16/2018	1	50	50
PLANNED	11/16/2018	1	105	105
PLANNED	11/16/2018	8	488	61
PLANNED	11/16/2018	26	1,664	64
PLANNED	11/16/2018	7	511	73
PLANNED	11/16/2018	1	45	45
PLANNED	11/16/2018	1	113	113
CUSTOMER REQUEST	11/16/2018	8	96	12
PLANNED	11/16/2018	4	748	187
PLANNED	11/16/2018	3	381	127
PLANNED	11/16/2018	5	1,965	393
PLANNED	11/16/2018	5	1,965	393
PLANNED	11/16/2018	5	70	14
PLANNED	11/16/2018	3	108	36
PLANNED	11/16/2018	8	520	65
PLANNED	11/16/2018	2	24	12
PLANNED	11/16/2018	6	228	38
PLANNED	11/16/2018	1	176	176
PLANNED	11/16/2018	75	4,725	63
PLANNED	11/16/2018	7	252	36
PLANNED	11/16/2018	1	25	25
PLANNED	11/16/2018	3	261	87
PLANNED	11/16/2018	4	48	12

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/16/2018	6	324	54
PLANNED	11/16/2018	1	117	117
CUSTOMER REQUEST	11/16/2018	1	156	156
CUSTOMER REQUEST	11/16/2018	348	879	178
CUSTOMER REQUEST	11/16/2018	8	80	10
CUSTOMER REQUEST	11/16/2018	1	96	96
CUSTOMER REQUEST	11/16/2018	1	111	111
PLANNED	11/16/2018	13	143	11
PLANNED	11/16/2018	3	969	323
PLANNED	11/17/2018	16	2,560	160
PLANNED	11/17/2018	4	120	30
PLANNED	11/17/2018	7	2,660	380
PLANNED	11/17/2018	2	152	76
CUSTOMER REQUEST	11/17/2018	10	18,240	1,824
PLANNED	11/17/2018	1	160	160
PLANNED	11/17/2018	3	375	125
PLANNED	11/17/2018	3	495	165
PLANNED	11/17/2018	1	143	143
PLANNED	11/17/2018	14	4,172	298
PLANNED	11/17/2018	4	412	103
PLANNED	11/17/2018	12	264	22
PLANNED	11/17/2018	4	1,676	419
CUSTOMER REQUEST	11/17/2018	79	3,002	38
CUSTOMER REQUEST	11/17/2018	2	2,024	1,012
PLANNED	11/17/2018	3	180	60
PLANNED	11/17/2018	7	798	114
PLANNED	11/17/2018	4	504	126
PLANNED	11/17/2018	2	154	77
PLANNED	11/17/2018	1	385	385
PLANNED	11/17/2018	5	1,660	332
PLANNED	11/18/2018	1	211	211
PLANNED	11/18/2018	1	202	202
PLANNED	11/18/2018	4	1,408	352
CUSTOMER REQUEST	11/18/2018	4	888	222
PLANNED	11/18/2018	1	186	186
PLANNED	11/18/2018	1	161	161
PLANNED	11/18/2018	2	614	307
PLANNED	11/18/2018	2	234	117
PLANNED	11/18/2018	1	161	161
PLANNED	11/18/2018	7	1,687	241
PLANNED	11/18/2018	15	225	15
PLANNED	11/18/2018	12	336	28
PLANNED	11/18/2018	17	2,142	126
PLANNED	11/18/2018	1	125	125
PLANNED	11/18/2018	1	148	148
PLANNED	11/18/2018	1	44	44
PLANNED	11/18/2018	1	156	156
PLANNED	11/18/2018	2	104	52
PLANNED	11/18/2018	2	466	233
PLANNED	11/19/2018	2	156	78
PLANNED	11/19/2018	1	81	81

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/19/2018	1	25	25
PLANNED	11/19/2018	6	690	115
CUSTOMER REQUEST	11/19/2018	40	6,320	158
PLANNED	11/19/2018	1	77	77
CUSTOMER REQUEST	11/19/2018	21	3,738	178
PLANNED	11/19/2018	1	89	89
PLANNED	11/19/2018	11	462	42
PLANNED	11/19/2018	11	506	46
PLANNED	11/19/2018	47	3,384	72
PLANNED	11/19/2018	4	796	199
PLANNED	11/19/2018	1	173	173
PLANNED	11/19/2018	1	80	80
PLANNED	11/19/2018	10	550	55
PLANNED	11/19/2018	21	168	8
PLANNED	11/19/2018	53	371	7
PLANNED	11/19/2018	3	102	34
PLANNED	11/19/2018	2	724	362
PLANNED	11/19/2018	2	390	195
PLANNED	11/19/2018	1	61	61
PLANNED	11/19/2018	3	405	135
PLANNED	11/19/2018	2	132	66
PLANNED	11/19/2018	1	47	47
PLANNED	11/19/2018	1	208	208
PLANNED	11/19/2018	8	320	40
PLANNED	11/19/2018	4	216	54
PLANNED	11/19/2018	48	4,896	102
PLANNED	11/19/2018	2	136	68
PLANNED	11/19/2018	8	1,000	125
PLANNED	11/19/2018	8	984	123
PLANNED	11/19/2018	7	1,246	178
PLANNED	11/19/2018	9	1,161	129
PLANNED	11/19/2018	13	1,612	124
PLANNED	11/19/2018	8	160	20
PLANNED	11/19/2018	5	420	84
PLANNED	11/19/2018	37	259	7
PLANNED	11/19/2018	5	620	124
PLANNED	11/19/2018	3	42	14
PLANNED	11/19/2018	6	84	14
PLANNED	11/19/2018	5	450	90
PLANNED	11/19/2018	2	632	316
PLANNED	11/19/2018	2	32	16
PLANNED	11/19/2018	6	246	41
PLANNED	11/19/2018	2	476	238
PLANNED	11/19/2018	106	530	5
PLANNED	11/19/2018	7	161	23
PLANNED	11/19/2018	3	900	300
PLANNED	11/19/2018	8	144	18
PLANNED	11/19/2018	32	128	4
PLANNED	11/19/2018	1	20	20
PLANNED	11/19/2018	11	1,254	114
PLANNED	11/19/2018	3	105	35

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/19/2018	3	684	228
PLANNED	11/19/2018	10	1,140	114
PLANNED	11/19/2018	6	354	59
PLANNED	11/19/2018	6	108	18
PLANNED	11/19/2018	3	282	94
PLANNED	11/19/2018	3	534	178
PLANNED	11/19/2018	8	56	7
PLANNED	11/19/2018	1	32	32
PLANNED	11/19/2018	11	341	31
PLANNED	11/19/2018	7	504	72
PLANNED	11/19/2018	12	792	66
PLANNED	11/19/2018	1	191	191
PLANNED	11/19/2018	2	234	117
PLANNED	11/19/2018	3	72	24
PLANNED	11/19/2018	9	846	94
PLANNED	11/19/2018	1	129	129
PLANNED	11/19/2018	15	3,750	250
PLANNED	11/19/2018	5	515	103
PLANNED	11/19/2018	3	192	64
PLANNED	11/19/2018	1	81	81
PLANNED	11/19/2018	9	819	91
PLANNED	11/19/2018	3	270	90
PLANNED	11/19/2018	2	58	29
PLANNED	11/19/2018	6	180	30
PLANNED	11/19/2018	3	237	79
PLANNED	11/19/2018	8	88	11
PLANNED	11/19/2018	17	799	47
CUSTOMER REQUEST	11/19/2018	1	26	26
CUSTOMER REQUEST	11/19/2018	1	4	4
PLANNED	11/19/2018	11	1,298	118
PLANNED	11/19/2018	8	792	99
PLANNED	11/20/2018	2	166	83
PLANNED	11/20/2018	7	630	90
PLANNED	11/20/2018	10	3,210	321
PLANNED	11/20/2018	2	242	121
PLANNED	11/20/2018	1	193	193
PLANNED	11/20/2018	6	936	156
PLANNED	11/20/2018	47	4,700	100
PLANNED	11/20/2018	26	1,326	51
PLANNED	11/20/2018	4	248	62
PLANNED	11/20/2018	5	350	70
CUSTOMER REQUEST	11/20/2018	1	108	108
PLANNED	11/20/2018	7	707	101
PLANNED	11/20/2018	17	5,287	311
PLANNED	11/20/2018	5	80	16
PLANNED	11/20/2018	3	753	251
PLANNED	11/20/2018	10	860	86
PLANNED	11/20/2018	7	1,106	158
PLANNED	11/20/2018	11	1,342	122
PLANNED	11/20/2018	22	1,826	83
CUSTOMER REQUEST	11/20/2018	5	100	20

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/20/2018	30	2,190	73
CUSTOMER REQUEST	11/20/2018	16	384	24
PLANNED	11/20/2018	2	426	213
PLANNED	11/20/2018	3	116	46
PLANNED	11/20/2018	8	592	74
PLANNED	11/20/2018	4	428	107
PLANNED	11/20/2018	6	60	10
PLANNED	11/20/2018	1	85	85
PLANNED	11/20/2018	5	65	13
PLANNED	11/20/2018	6	1,248	208
PLANNED	11/20/2018	21	2,310	110
PLANNED	11/20/2018	7	266	38
PLANNED	11/20/2018	24	3,024	126
PLANNED	11/20/2018	4	672	168
PLANNED	11/20/2018	35	2,590	74
PLANNED	11/20/2018	2	156	78
PLANNED	11/20/2018	4	192	48
PLANNED	11/20/2018	3	1,338	446
PLANNED	11/20/2018	1	529	529
PLANNED	11/20/2018	1	445	445
PLANNED	11/20/2018	1	218	218
PLANNED	11/20/2018	5	135	27
PLANNED	11/20/2018	3	243	81
PLANNED	11/20/2018	3	147	49
PLANNED	11/20/2018	5	820	164
PLANNED	11/20/2018	10	2,020	202
PLANNED	11/20/2018	1	141	141
PLANNED	11/20/2018	6	600	100
PLANNED	11/20/2018	8	896	112
PLANNED	11/20/2018	3	39	13
CUSTOMER REQUEST	11/20/2018	7	73	13
PLANNED	11/20/2018	27	2,268	84
PLANNED	11/20/2018	4	448	112
PLANNED	11/20/2018	2	76	38
PLANNED	11/20/2018	4	196	49
CUSTOMER REQUEST	11/20/2018	7	161	23
PLANNED	11/20/2018	4	740	185
PLANNED	11/20/2018	14	1,624	218
PLANNED	11/20/2018	5	1,400	280
PLANNED	11/20/2018	6	318	53
PLANNED	11/20/2018	18	2,016	112
PLANNED	11/20/2018	9	1,224	136
PLANNED	11/20/2018	17	2,720	160
PLANNED	11/20/2018	4	684	171
PLANNED	11/20/2018	5	850	170
PLANNED	11/20/2018	13	676	52
PLANNED	11/20/2018	3	396	132
PLANNED	11/20/2018	2	96	48
PLANNED	11/20/2018	9	2,268	252
PLANNED	11/20/2018	6	144	24
PLANNED	11/20/2018	10	410	41

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/20/2018	1	97	97
CUSTOMER REQUEST	11/20/2018	72	13,896	193
CUSTOMER REQUEST	11/20/2018	84	29,064	346
CUSTOMER REQUEST	11/20/2018	66	22,770	345
PLANNED	11/20/2018	6	414	69
PLANNED	11/20/2018	5	340	68
PLANNED	11/20/2018	17	1,717	101
PLANNED	11/20/2018	4	312	78
CUSTOMER REQUEST	11/20/2018	1	38	38
PLANNED	11/20/2018	1	99	99
PLANNED	11/20/2018	1	28	28
PLANNED	11/20/2018	2	238	119
PLANNED	11/20/2018	1	578	578
PLANNED	11/20/2018	10	5,320	532
PLANNED	11/21/2018	2	612	306
PLANNED	11/21/2018	5	540	108
PLANNED	11/21/2018	1	291	291
PLANNED	11/21/2018	5	840	168
PLANNED	11/21/2018	7	1,148	164
PLANNED	11/21/2018	3	66	22
CUSTOMER REQUEST	11/21/2018	1	235	235
PLANNED	11/21/2018	5	870	174
PLANNED	11/21/2018	1	179	179
PLANNED	11/21/2018	8	856	107
PLANNED	11/21/2018	12	3,900	325
PLANNED	11/21/2018	9	468	52
PLANNED	11/21/2018	4	260	65
PLANNED	11/21/2018	1	163	163
PLANNED	11/21/2018	151	8,003	53
PLANNED	11/21/2018	4	440	110
CUSTOMER REQUEST	11/21/2018	5	15	3
PLANNED	11/21/2018	33	561	17
PLANNED	11/21/2018	7	476	68
PLANNED	11/21/2018	17	1,547	91
PLANNED	11/21/2018	11	781	71
CUSTOMER REQUEST	11/21/2018	1	481	481
PLANNED	11/21/2018	1	104	104
PLANNED	11/21/2018	1	45	45
PLANNED	11/21/2018	1	59	59
PLANNED	11/21/2018	16	496	31
PLANNED	11/21/2018	1	28	28
PLANNED	11/21/2018	1	118	118
PLANNED	11/21/2018	6	324	54
PLANNED	11/21/2018	1	103	103
PLANNED	11/21/2018	4	312	78
PLANNED	11/21/2018	1	200	200
PLANNED	11/21/2018	1	45	45
PLANNED	11/21/2018	65	7,150	110
CUSTOMER REQUEST	11/21/2018	8	312	39
CUSTOMER REQUEST	11/21/2018	27	1,296	48
PLANNED	11/21/2018	7	501	99

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/21/2018	11	473	43
PLANNED	11/21/2018	2	82	41
PLANNED	11/21/2018	6	960	160
CUSTOMER REQUEST	11/21/2018	6	834	139
PLANNED	11/21/2018	8	544	68
PLANNED	11/21/2018	7	1,309	187
PLANNED	11/21/2018	1	46	46
PLANNED	11/21/2018	9	2,133	237
PLANNED	11/21/2018	2	96	48
PLANNED	11/21/2018	8	248	31
PLANNED	11/21/2018	3	21	7
PLANNED	11/21/2018	1	8	8
PLANNED	11/21/2018	4	708	177
PLANNED	11/21/2018	1	79	79
PLANNED	11/21/2018	6	36	6
PLANNED	11/21/2018	11	209	19
PLANNED	11/21/2018	33	264	8
CUSTOMER REQUEST	11/21/2018	5	15	3
PLANNED	11/21/2018	4	180	45
PLANNED	11/21/2018	2	34	17
PLANNED	11/21/2018	2	34	17
PLANNED	11/21/2018	3	84	28
PLANNED	11/21/2018	2	60	30
PLANNED	11/21/2018	2	238	119
PLANNED	11/21/2018	1	98	98
CUSTOMER REQUEST	11/21/2018	1	173	173
PLANNED	11/21/2018	4	692	173
PLANNED	11/23/2018	3	90	30
PLANNED	11/24/2018	9	774	86
PLANNED	11/25/2018	2	70	35
PLANNED	11/25/2018	4	88	22
PLANNED	11/25/2018	8	144	18
PLANNED	11/26/2018	1	100	100
PLANNED	11/26/2018	2	132	66
CUSTOMER REQUEST	11/26/2018	32	4,672	146
PLANNED	11/26/2018	10	200	20
CUSTOMER REQUEST	11/26/2018	13	468	36
CUSTOMER REQUEST	11/26/2018	4	628	157
PLANNED	11/26/2018	12	816	68
CUSTOMER REQUEST	11/26/2018	5	485	97
PLANNED	11/26/2018	3	153	51
PLANNED	11/26/2018	18	3,888	216
CUSTOMER REQUEST	11/26/2018	3	36	12
CUSTOMER REQUEST	11/26/2018	16	3,296	206
PLANNED	11/26/2018	1	146	146
PLANNED	11/26/2018	5	560	112
PLANNED	11/26/2018	20	2,480	124
PLANNED	11/26/2018	10	1,120	112
PLANNED	11/26/2018	7	189	27
CUSTOMER REQUEST	11/26/2018	1	266	266
PLANNED	11/26/2018	4	492	123

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/26/2018	6	516	86
PLANNED	11/26/2018	6	480	80
PLANNED	11/26/2018	7	140	20
CUSTOMER REQUEST	11/26/2018	1	228	228
PLANNED	11/26/2018	1	109	109
CUSTOMER REQUEST	11/26/2018	8	240	30
PLANNED	11/26/2018	3	87	29
PLANNED	11/26/2018	10	940	94
PLANNED	11/26/2018	15	1,620	108
PLANNED	11/26/2018	1	116	116
PLANNED	11/26/2018	4	132	33
PLANNED	11/26/2018	4	612	153
PLANNED	11/26/2018	1	403	403
PLANNED	11/26/2018	1	154	154
PLANNED	11/26/2018	5	1,095	219
PLANNED	11/26/2018	6	684	114
PLANNED	11/26/2018	1	22	22
PLANNED	11/26/2018	5	465	93
PLANNED	11/26/2018	1	101	101
PLANNED	11/26/2018	6	462	77
PLANNED	11/26/2018	4	132	33
PLANNED	11/26/2018	4	140	35
PLANNED	11/26/2018	3	594	198
PLANNED	11/26/2018	8	808	101
PLANNED	11/26/2018	5	275	55
PLANNED	11/26/2018	5	490	98
PLANNED	11/26/2018	2	198	99
PLANNED	11/26/2018	4	872	218
PLANNED	11/26/2018	3	432	144
PLANNED	11/26/2018	3	216	72
PLANNED	11/26/2018	5	675	135
CUSTOMER REQUEST	11/26/2018	1	46	46
PLANNED	11/26/2018	8	472	59
PLANNED	11/26/2018	8	56	7
PLANNED	11/26/2018	15	1,095	73
PLANNED	11/26/2018	1	144	144
PLANNED	11/26/2018	1	107	107
PLANNED	11/26/2018	1	135	135
PLANNED	11/26/2018	2	250	125
PLANNED	11/26/2018	6	318	53
CUSTOMER REQUEST	11/26/2018	1	71	71
PLANNED	11/26/2018	6	312	52
PLANNED	11/26/2018	6	198	33
PLANNED	11/26/2018	1	24	24
PLANNED	11/26/2018	8	72	9
PLANNED	11/26/2018	6	816	136
PLANNED	11/26/2018	8	1,136	142
PLANNED	11/26/2018	6	852	142
PLANNED	11/26/2018	4	76	19
PLANNED	11/26/2018	11	2,002	182
PLANNED	11/26/2018	6	684	114

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/26/2018	2	58	29
PLANNED	11/26/2018	6	648	108
PLANNED	11/26/2018	3	135	45
PLANNED	11/26/2018	4	352	88
PLANNED	11/26/2018	8	304	38
PLANNED	11/26/2018	9	648	72
PLANNED	11/26/2018	8	720	90
PLANNED	11/26/2018	6	294	49
PLANNED	11/26/2018	1	66	66
PLANNED	11/26/2018	1	28	28
PLANNED	11/26/2018	3	75	25
PLANNED	11/26/2018	5	310	62
CUSTOMER REQUEST	11/26/2018	1	351	351
CUSTOMER REQUEST	11/26/2018	19	2,470	130
CUSTOMER REQUEST	11/26/2018	1	146	146
PLANNED	11/26/2018	1	62	62
PLANNED	11/27/2018	1	103	103
PLANNED	11/27/2018	1	53	53
PLANNED	11/27/2018	1	72	72
PLANNED	11/27/2018	10	120	12
PLANNED	11/27/2018	16	2,944	184
PLANNED	11/27/2018	19	4,237	223
PLANNED	11/27/2018	8	1,792	224
PLANNED	11/27/2018	13	3,289	253
PLANNED	11/27/2018	22	1,474	67
PLANNED	11/27/2018	1	58	58
PLANNED	11/27/2018	1	188	188
PLANNED	11/27/2018	8	1,664	208
PLANNED	11/27/2018	9	432	48
PLANNED	11/27/2018	8	336	42
PLANNED	11/27/2018	5	655	131
PLANNED	11/27/2018	1	186	186
PLANNED	11/27/2018	5	710	142
PLANNED	11/27/2018	1	473	473
PLANNED	11/27/2018	9	864	96
PLANNED	11/27/2018	10	1,070	107
PLANNED	11/27/2018	8	368	46
PLANNED	11/27/2018	1	123	123
PLANNED	11/27/2018	2	210	105
PLANNED	11/27/2018	6	360	60
PLANNED	11/27/2018	9	342	38
PLANNED	11/27/2018	2	276	138
PLANNED	11/27/2018	22	3,190	145
PLANNED	11/27/2018	2	354	177
CUSTOMER REQUEST	11/27/2018	13	1,729	133
PLANNED	11/27/2018	12	1,668	139
PLANNED	11/27/2018	10	990	99
PLANNED	11/27/2018	15	1,485	99
PLANNED	11/27/2018	1	122	122
PLANNED	11/27/2018	1	203	203
PLANNED	11/27/2018	1	23	23

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
CUSTOMER REQUEST	11/27/2018	8	96	12
PLANNED	11/27/2018	13	884	68
PLANNED	11/27/2018	6	102	17
PLANNED	11/27/2018	8	1,120	140
PLANNED	11/27/2018	5	700	140
PLANNED	11/27/2018	1	314	314
PLANNED	11/27/2018	4	504	126
PLANNED	11/27/2018	6	306	51
PLANNED	11/27/2018	8	168	21
PLANNED	11/27/2018	9	144	16
PLANNED	11/27/2018	1	79	79
PLANNED	11/27/2018	3	180	60
PLANNED	11/27/2018	1	68	68
PLANNED	11/27/2018	7	812	116
PLANNED	11/27/2018	7	1,624	232
PLANNED	11/27/2018	6	696	116
PLANNED	11/27/2018	6	36	6
PLANNED	11/27/2018	7	273	39
PLANNED	11/27/2018	5	400	80
PLANNED	11/27/2018	2	186	93
PLANNED	11/27/2018	8	720	90
PLANNED	11/27/2018	1	129	129
PLANNED	11/27/2018	5	245	49
PLANNED	11/27/2018	12	1,920	160
PLANNED	11/27/2018	9	1,125	125
PLANNED	11/27/2018	6	468	78
PLANNED	11/27/2018	1	229	229
PLANNED	11/27/2018	4	272	68
PLANNED	11/27/2018	9	1,611	179
PLANNED	11/27/2018	1	12	12
PLANNED	11/27/2018	7	315	45
PLANNED	11/27/2018	18	1,098	61
PLANNED	11/27/2018	26	1,534	59
PLANNED	11/27/2018	10	1,730	173
PLANNED	11/27/2018	5	790	158
PLANNED	11/27/2018	5	830	166
PLANNED	11/27/2018	3	111	37
PLANNED	11/27/2018	4	16	4
PLANNED	11/27/2018	12	372	31
PLANNED	11/27/2018	4	684	171
PLANNED	11/27/2018	1	89	89
PLANNED	11/27/2018	1	64	64
PLANNED	11/27/2018	1	133	133
PLANNED	11/27/2018	3	54	18
PLANNED	11/27/2018	5	885	177
PLANNED	11/27/2018	1	19	19
PLANNED	11/27/2018	1	94	94
PLANNED	11/27/2018	6	762	127
PLANNED	11/27/2018	5	1,415	283
PLANNED	11/27/2018	2	202	101
PLANNED	11/27/2018	2	152	76

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/27/2018	11	2,112	192
PLANNED	11/27/2018	5	100	20
PLANNED	11/27/2018	1	170	170
CUSTOMER REQUEST	11/27/2018	8	200	25
PLANNED	11/27/2018	6	126	21
PLANNED	11/27/2018	3	93	31
PLANNED	11/27/2018	7	399	57
PLANNED	11/27/2018	3	69	23
CUSTOMER REQUEST	11/27/2018	1	104	104
PLANNED	11/27/2018	2	40	20
PLANNED	11/27/2018	1	133	133
PLANNED	11/27/2018	10	710	71
PLANNED	11/27/2018	5	205	41
CUSTOMER REQUEST	11/27/2018	1	80	80
PLANNED	11/27/2018	3	228	76
PLANNED	11/27/2018	1	113	113
PLANNED	11/28/2018	20	5,000	250
PLANNED	11/28/2018	1	33	33
PLANNED	11/28/2018	8	880	110
CUSTOMER REQUEST	11/28/2018	1	167	167
CUSTOMER REQUEST	11/28/2018	1	30	30
PLANNED	11/28/2018	1	52	52
PLANNED	11/28/2018	1	217	217
PLANNED	11/28/2018	2	184	92
PLANNED	11/28/2018	1	37	37
PLANNED	11/28/2018	8	448	56
PLANNED	11/28/2018	8	328	41
PLANNED	11/28/2018	1	138	138
PLANNED	11/28/2018	1	143	143
PLANNED	11/28/2018	1	22	22
PLANNED	11/28/2018	2	76	38
PLANNED	11/28/2018	7	469	67
PLANNED	11/28/2018	9	432	48
PLANNED	11/28/2018	77	8,701	113
PLANNED	11/28/2018	9	522	58
PLANNED	11/28/2018	12	624	52
CUSTOMER REQUEST	11/28/2018	1	182	182
PLANNED	11/28/2018	41	6,806	166
PLANNED	11/28/2018	2	102	51
PLANNED	11/28/2018	17	4,114	242
PLANNED	11/28/2018	1	8	8
PLANNED	11/28/2018	6	1,548	258
PLANNED	11/28/2018	10	660	66
PLANNED	11/28/2018	12	1,176	98
PLANNED	11/28/2018	1	101	101
PLANNED	11/28/2018	1	212	212
PLANNED	11/28/2018	1	246	246
PLANNED	11/28/2018	1	154	154
PLANNED	11/28/2018	1	132	132
PLANNED	11/28/2018	2	96	48
PLANNED	11/28/2018	13	2,808	216

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/28/2018	6	12	2
PLANNED	11/28/2018	38	6,270	165
PLANNED	11/28/2018	8	432	54
PLANNED	11/28/2018	1	115	115
PLANNED	11/28/2018	4	244	61
PLANNED	11/28/2018	7	854	122
PLANNED	11/28/2018	61	997	157
PLANNED	11/28/2018	8	352	44
PLANNED	11/28/2018	2	148	74
PLANNED	11/28/2018	3	417	139
PLANNED	11/28/2018	8	96	12
PLANNED	11/28/2018	10	1,300	130
PLANNED	11/28/2018	12	1,608	134
PLANNED	11/28/2018	4	60	15
PLANNED	11/28/2018	23	1,909	83
PLANNED	11/28/2018	2	88	44
CUSTOMER REQUEST	11/28/2018	1	288	288
PLANNED	11/28/2018	13	884	68
PLANNED	11/28/2018	1	3	3
PLANNED	11/28/2018	1	76	76
PLANNED	11/28/2018	1	16	16
PLANNED	11/28/2018	11	308	28
PLANNED	11/28/2018	9	387	43
PLANNED	11/28/2018	1	194	194
PLANNED	11/28/2018	6	1,914	319
PLANNED	11/28/2018	2	462	231
PLANNED	11/28/2018	5	20	4
PLANNED	11/28/2018	3	174	58
PLANNED	11/28/2018	6	588	98
PLANNED	11/28/2018	9	1,521	169
PLANNED	11/28/2018	6	546	91
PLANNED	11/28/2018	2	148	74
PLANNED	11/28/2018	2	8	4
PLANNED	11/28/2018	6	828	138
PLANNED	11/28/2018	3	81	27
PLANNED	11/28/2018	7	539	77
PLANNED	11/28/2018	6	810	135
PLANNED	11/28/2018	7	77	11
PLANNED	11/28/2018	1	138	138
PLANNED	11/28/2018	6	1,086	181
PLANNED	11/28/2018	9	477	53
PLANNED	11/28/2018	1	9	9
PLANNED	11/28/2018	3	195	65
PLANNED	11/28/2018	3	51	17
PLANNED	11/28/2018	3	498	166
PLANNED	11/28/2018	4	212	53
PLANNED	11/28/2018	2	204	102
PLANNED	11/28/2018	8	776	97
CUSTOMER REQUEST	11/28/2018	1	202	202
PLANNED	11/28/2018	41	4,018	98
PLANNED	11/28/2018	8	960	120

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/28/2018	1	17	17
PLANNED	11/28/2018	1	160	160
PLANNED	11/28/2018	4	68	17
PLANNED	11/28/2018	11	1,188	108
PLANNED	11/28/2018	4	392	98
PLANNED	11/28/2018	41	4,387	107
CUSTOMER REQUEST	11/28/2018	5	55	11
PLANNED	11/28/2018	7	700	100
PLANNED	11/28/2018	8	40	5
CUSTOMER REQUEST	11/28/2018	421	16,419	39
PLANNED	11/28/2018	1	4	4
PLANNED	11/28/2018	2	72	36
PLANNED	11/28/2018	1	77	77
PLANNED	11/28/2018	1	50	50
PLANNED	11/28/2018	8	376	47
PLANNED	11/28/2018	2	20	10
PLANNED	11/28/2018	8	344	43
PLANNED	11/28/2018	5	740	148
PLANNED	11/28/2018	6	516	86
CUSTOMER REQUEST	11/28/2018	106	742	7
PLANNED	11/28/2018	1	55	55
PLANNED	11/28/2018	1	107	107
PLANNED	11/29/2018	9	2,358	262
PLANNED	11/29/2018	8	944	118
PLANNED	11/29/2018	2	108	54
PLANNED	11/29/2018	1	160	160
PLANNED	11/29/2018	1	34	34
PLANNED	11/29/2018	1	68	68
PLANNED	11/29/2018	1	263	263
PLANNED	11/29/2018	9	684	76
PLANNED	11/29/2018	3	267	89
PLANNED	11/29/2018	6	588	98
PLANNED	11/29/2018	8	1,280	160
CUSTOMER REQUEST	11/29/2018	13	312	24
PLANNED	11/29/2018	13	2,184	168
PLANNED	11/29/2018	1	83	83
PLANNED	11/29/2018	4	320	80
PLANNED	11/29/2018	6	210	35
PLANNED	11/29/2018	2	174	87
PLANNED	11/29/2018	69	4,347	63
CUSTOMER REQUEST	11/29/2018	6	90	15
PLANNED	11/29/2018	12	1,380	115
PLANNED	11/29/2018	3	201	67
PLANNED	11/29/2018	4	4	1
PLANNED	11/29/2018	14	938	67
PLANNED	11/29/2018	2	76	38
PLANNED	11/29/2018	1	111	111
PLANNED	11/29/2018	1	135	135
PLANNED	11/29/2018	8	1,032	129
CUSTOMER REQUEST	11/29/2018	12	288	24
CUSTOMER REQUEST	11/29/2018	7	161	23

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/29/2018	17	2,737	161
PLANNED	11/29/2018	10	1,280	128
CUSTOMER REQUEST	11/29/2018	7	14	2
CUSTOMER REQUEST	11/29/2018	4	840	210
PLANNED	11/29/2018	1	34	34
PLANNED	11/29/2018	5	1,000	200
PLANNED	11/29/2018	60	7,500	125
PLANNED	11/29/2018	3	318	106
CUSTOMER REQUEST	11/29/2018	3	768	256
PLANNED	11/29/2018	10	800	80
PLANNED	11/29/2018	4	188	47
PLANNED	11/29/2018	17	1,241	73
PLANNED	11/29/2018	7	812	116
PLANNED	11/29/2018	2	196	98
CUSTOMER REQUEST	11/29/2018	1	24	24
PLANNED	11/29/2018	1	147	147
PLANNED	11/29/2018	1	139	139
PLANNED	11/29/2018	4	600	150
PLANNED	11/29/2018	8	712	89
PLANNED	11/29/2018	8	744	93
PLANNED	11/29/2018	7	637	91
PLANNED	11/29/2018	1	11	11
PLANNED	11/29/2018	1	109	109
PLANNED	11/29/2018	15	465	31
PLANNED	11/29/2018	10	3,470	347
PLANNED	11/29/2018	10	290	29
PLANNED	11/29/2018	9	531	59
PLANNED	11/29/2018	2	112	56
PLANNED	11/29/2018	6	120	20
PLANNED	11/29/2018	4	612	153
PLANNED	11/29/2018	2	381	238
PLANNED	11/29/2018	9	360	40
PLANNED	11/29/2018	14	1,694	121
PLANNED	11/29/2018	2	232	116
PLANNED	11/29/2018	1	103	103
PLANNED	11/29/2018	8	2,512	314
PLANNED	11/29/2018	2	302	151
PLANNED	11/29/2018	1	61	61
PLANNED	11/29/2018	3	357	119
PLANNED	11/29/2018	8	376	47
PLANNED	11/29/2018	2	110	55
PLANNED	11/29/2018	3	438	146
PLANNED	11/29/2018	1	85	85
PLANNED	11/29/2018	8	1,784	223
PLANNED	11/29/2018	4	76	19
PLANNED	11/29/2018	37	11,063	299
PLANNED	11/29/2018	40	10,200	255
PLANNED	11/29/2018	2	566	283
PLANNED	11/29/2018	12	348	29
PLANNED	11/29/2018	2	186	93
PLANNED	11/29/2018	8	904	113

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/29/2018	14	602	43
PLANNED	11/29/2018	8	632	79
PLANNED	11/29/2018	13	2,288	176
PLANNED	11/29/2018	8	1,592	199
PLANNED	11/29/2018	1	95	95
PLANNED	11/29/2018	3	198	66
PLANNED	11/29/2018	3	81	27
PLANNED	11/29/2018	12	660	55
PLANNED	11/29/2018	4	280	70
PLANNED	11/29/2018	1	133	133
PLANNED	11/29/2018	9	1,035	115
CUSTOMER REQUEST	11/29/2018	1	247	247
PLANNED	11/29/2018	1	113	113
PLANNED	11/29/2018	2	114	57
PLANNED	11/29/2018	1	114	114
PLANNED	11/29/2018	1	251	251
PLANNED	11/29/2018	2	98	49
PLANNED	11/29/2018	1	84	84
PLANNED	11/30/2018	3	207	69
PLANNED	11/30/2018	1	218	218
PLANNED	11/30/2018	1	279	279
PLANNED	11/30/2018	9	9	1
PLANNED	11/30/2018	2	26	13
PLANNED	11/30/2018	2	300	150
PLANNED	11/30/2018	9	639	71
PLANNED	11/30/2018	1	60	60
PLANNED	11/30/2018	9	117	13
PLANNED	11/30/2018	6	222	37
PLANNED	11/30/2018	1	31	31
PLANNED	11/30/2018	16	3,424	214
PLANNED	11/30/2018	6	612	102
PLANNED	11/30/2018	7	623	89
CUSTOMER REQUEST	11/30/2018	88	10,824	123
PLANNED	11/30/2018	1	91	91
PLANNED	11/30/2018	1	183	183
PLANNED	11/30/2018	5	360	72
PLANNED	11/30/2018	4	152	38
PLANNED	11/30/2018	12	1,044	87
PLANNED	11/30/2018	11	649	59
PLANNED	11/30/2018	5	140	34
PLANNED	11/30/2018	1	34	34
PLANNED	11/30/2018	4	244	61
PLANNED	11/30/2018	21	8,526	406
PLANNED	11/30/2018	1	23	23
CUSTOMER REQUEST	11/30/2018	1	38	38
PLANNED	11/30/2018	1	101	101
PLANNED	11/30/2018	5	1,320	264
PLANNED	11/30/2018	4	636	159
PLANNED	11/30/2018	26	1,560	60
CUSTOMER REQUEST	11/30/2018	2	392	196
PLANNED	11/30/2018	2	748	374

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/30/2018	4	692	173
CUSTOMER REQUEST	11/30/2018	10	1,310	131
PLANNED	11/30/2018	6	240	40
PLANNED	11/30/2018	4	40	10
PLANNED	11/30/2018	3	99	33
PLANNED	11/30/2018	22	3,762	171
PLANNED	11/30/2018	4	192	48
PLANNED	11/30/2018	9	585	65
PLANNED	11/30/2018	6	1,446	241
PLANNED	11/30/2018	3	69	23
PLANNED	11/30/2018	1	138	138
PLANNED	11/30/2018	2	210	105
PLANNED	11/30/2018	1	102	102
PLANNED	11/30/2018	1	6	6
PLANNED	11/30/2018	4	228	57
PLANNED	11/30/2018	4	428	107
PLANNED	11/30/2018	8	968	121
PLANNED	11/30/2018	6	294	49
PLANNED	11/30/2018	3	195	65
PLANNED	11/30/2018	8	232	29
PLANNED	11/30/2018	9	423	47
PLANNED	11/30/2018	41	902	22
PLANNED	11/30/2018	6	24	4
CUSTOMER REQUEST	11/30/2018	2	266	133
PLANNED	11/30/2018	5	1,345	269
PLANNED	11/30/2018	36	3,456	96
PLANNED	11/30/2018	2	94	47
PLANNED	11/30/2018	10	320	32
PLANNED	11/30/2018	2	62	31
PLANNED	11/30/2018	2	78	39
PLANNED	11/30/2018	1	60	60
PLANNED	11/30/2018	7	399	57
PLANNED	11/30/2018	7	868	124
PLANNED	11/30/2018	2	130	65
PLANNED	11/30/2018	10	210	21
PLANNED	11/30/2018	10	540	54
PLANNED	11/30/2018	2	22	11
PLANNED	11/30/2018	10	150	15
PLANNED	11/30/2018	2	20	10
PLANNED	11/30/2018	6	138	23
CUSTOMER REQUEST	11/30/2018	2	208	104
PLANNED	11/30/2018	1	94	94
PLANNED	11/30/2018	3	87	29
PLANNED	11/30/2018	15	1,140	76
PLANNED	11/30/2018	8	536	67
PLANNED	11/30/2018	5	80	16
PLANNED	11/30/2018	2	56	28
CUSTOMER REQUEST	11/30/2018	1	178	178
PLANNED	11/30/2018	3	222	74
CUSTOMER REQUEST	11/30/2018	1	197	197
PLANNED	11/30/2018	1	214	214

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	11/30/2018	1	23	23
PLANNED	12/1/2018	2	212	106
PLANNED	12/1/2018	8	1,512	189
PLANNED	12/1/2018	4	376	94
CUSTOMER REQUEST	12/1/2018	1	326	326
PLANNED	12/1/2018	2	144	72
PLANNED	12/1/2018	6	810	135
PLANNED	12/1/2018	2	232	116
PLANNED	12/1/2018	4	272	68
PLANNED	12/1/2018	53	8,109	153
PLANNED	12/1/2018	4	356	89
PLANNED	12/1/2018	1	230	230
PLANNED	12/1/2018	1	215	215
CUSTOMER REQUEST	12/1/2018	1	14	14
CUSTOMER REQUEST	12/1/2018	1	1,479	1,479
PLANNED	12/1/2018	4	204	51
PLANNED	12/1/2018	6	1,224	204
PLANNED	12/1/2018	2	20	10
PLANNED	12/1/2018	1	44	44
PLANNED	12/1/2018	2	260	130
PLANNED	12/1/2018	2	352	176
PLANNED	12/1/2018	4	356	89
PLANNED	12/1/2018	5	445	89
PLANNED	12/1/2018	1	45	45
PLANNED	12/1/2018	5	670	134
PLANNED	12/1/2018	1	294	294
PLANNED	12/1/2018	2	44	22
PLANNED	12/1/2018	2	234	117
CUSTOMER REQUEST	12/1/2018	1,244	14,928	12
CUSTOMER REQUEST	12/1/2018	10	240	24
PLANNED	12/1/2018	2	236	118
PLANNED	12/1/2018	1	86	86
PLANNED	12/2/2018	3	384	128
PLANNED	12/2/2018	5	1,675	335
PLANNED	12/2/2018	3	120	40
PLANNED	12/2/2018	13	481	37
PLANNED	12/2/2018	3	300	100
PLANNED	12/2/2018	1	10	10
PLANNED	12/2/2018	2	152	76
PLANNED	12/2/2018	2	448	224
PLANNED	12/2/2018	1	346	346
PLANNED	12/2/2018	5	1,060	212
PLANNED	12/2/2018	11	154	14
PLANNED	12/2/2018	1	52	52
PLANNED	12/2/2018	6	114	19
PLANNED	12/2/2018	1	181	181
PLANNED	12/2/2018	3	60	20
PLANNED	12/2/2018	5	585	117
PLANNED	12/2/2018	4	28	7
PLANNED	12/2/2018	1	350	350
PLANNED	12/2/2018	2	84	42

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/2/2018	1	74	74
CUSTOMER REQUEST	12/2/2018	2	508	254
CUSTOMER REQUEST	12/2/2018	8	264	33
PLANNED	12/2/2018	1	159	159
PLANNED	12/3/2018	7	1,596	228
PLANNED	12/3/2018	4	456	114
PLANNED	12/3/2018	12	1,728	144
CUSTOMER REQUEST	12/3/2018	1	342	342
CUSTOMER REQUEST	12/3/2018	1	49	49
CUSTOMER REQUEST	12/3/2018	8	192	24
PLANNED	12/3/2018	2	426	213
PLANNED	12/3/2018	4	132	33
PLANNED	12/3/2018	22	1,408	64
PLANNED	12/3/2018	8	488	61
PLANNED	12/3/2018	2	234	117
PLANNED	12/3/2018	7	784	112
PLANNED	12/3/2018	1	9	9
PLANNED	12/3/2018	4	244	61
CUSTOMER REQUEST	12/3/2018	13	910	70
PLANNED	12/3/2018	2	274	137
PLANNED	12/3/2018	12	360	30
CUSTOMER REQUEST	12/3/2018	7	1,806	258
PLANNED	12/3/2018	4	664	166
PLANNED	12/3/2018	1	32	32
PLANNED	12/3/2018	4	428	107
PLANNED	12/3/2018	2	70	35
PLANNED	12/3/2018	12	744	62
CUSTOMER REQUEST	12/3/2018	2	614	307
PLANNED	12/3/2018	2	208	104
PLANNED	12/3/2018	2	160	80
PLANNED	12/3/2018	71	1,846	26
PLANNED	12/3/2018	11	2,354	214
PLANNED	12/3/2018	10	3,860	386
PLANNED	12/3/2018	11	4,136	376
PLANNED	12/3/2018	24	7,008	292
PLANNED	12/3/2018	14	1,498	107
PLANNED	12/3/2018	1	53	53
PLANNED	12/3/2018	1	178	178
PLANNED	12/3/2018	21	1,407	67
PLANNED	12/3/2018	3	282	94
PLANNED	12/3/2018	3	456	152
PLANNED	12/3/2018	2	252	126
PLANNED	12/3/2018	12	648	54
PLANNED	12/3/2018	6	936	156
CUSTOMER REQUEST	12/3/2018	59	3,068	52
PLANNED	12/3/2018	2	28	14
PLANNED	12/3/2018	3	684	228
PLANNED	12/3/2018	2	278	139
PLANNED	12/3/2018	20	680	34
PLANNED	12/3/2018	8	1,264	158
PLANNED	12/3/2018	4	236	59

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/3/2018	10	900	90
PLANNED	12/3/2018	1	78	78
CUSTOMER REQUEST	12/3/2018	1	287	287
PLANNED	12/3/2018	8	1,736	217
CUSTOMER REQUEST	12/3/2018	12	36	3
PLANNED	12/3/2018	6	564	94
PLANNED	12/3/2018	12	792	66
PLANNED	12/3/2018	6	618	103
PLANNED	12/3/2018	28	2,772	99
PLANNED	12/3/2018	12	60	5
PLANNED	12/3/2018	20	440	22
PLANNED	12/3/2018	1	190	190
PLANNED	12/3/2018	1	18	18
PLANNED	12/3/2018	12	660	55
PLANNED	12/3/2018	1	48	48
PLANNED	12/3/2018	19	38	2
PLANNED	12/3/2018	25	1,750	70
PLANNED	12/3/2018	3	696	232
PLANNED	12/3/2018	2	210	105
PLANNED	12/3/2018	7	217	31
PLANNED	12/3/2018	2	504	252
PLANNED	12/3/2018	31	1,147	37
PLANNED	12/3/2018	5	400	80
PLANNED	12/3/2018	7	406	58
PLANNED	12/3/2018	17	2,023	119
PLANNED	12/3/2018	4	432	108
PLANNED	12/3/2018	26	468	18
PLANNED	12/3/2018	3	141	47
CUSTOMER REQUEST	12/3/2018	1	337	337
PLANNED	12/3/2018	2	162	81
PLANNED	12/3/2018	8	328	41
CUSTOMER REQUEST	12/3/2018	1	373	373
PLANNED	12/3/2018	2	82	41
PLANNED	12/3/2018	2	214	107
PLANNED	12/3/2018	4	336	84
PLANNED	12/3/2018	1	74	74
PLANNED	12/4/2018	11	2,244	204
CUSTOMER REQUEST	12/4/2018	1	386	386
CUSTOMER REQUEST	12/4/2018	1	66	66
PLANNED	12/4/2018	2	150	75
PLANNED	12/4/2018	23	3,105	135
PLANNED	12/4/2018	5	1,505	301
CUSTOMER REQUEST	12/4/2018	13	975	75
CUSTOMER REQUEST	12/4/2018	1	226	226
PLANNED	12/4/2018	7	518	74
PLANNED	12/4/2018	1	84	84
PLANNED	12/4/2018	2	72	36
PLANNED	12/4/2018	3	135	45
PLANNED	12/4/2018	12	2,112	176
PLANNED	12/4/2018	6	1,212	202
PLANNED	12/4/2018	6	138	23

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/4/2018	28	3,668	131
PLANNED	12/4/2018	1	22	22
PLANNED	12/4/2018	1	23	23
PLANNED	12/4/2018	9	1,845	205
PLANNED	12/4/2018	7	756	108
PLANNED	12/4/2018	2	30	15
PLANNED	12/4/2018	1	413	413
PLANNED	12/4/2018	1	477	477
PLANNED	12/4/2018	1	41	41
PLANNED	12/4/2018	1	7	7
PLANNED	12/4/2018	1	11	11
PLANNED	12/4/2018	1	31	31
PLANNED	12/4/2018	6	114	19
PLANNED	12/4/2018	10	1,180	118
PLANNED	12/4/2018	4	188	47
PLANNED	12/4/2018	3	126	42
PLANNED	12/4/2018	2	174	87
PLANNED	12/4/2018	10	370	37
PLANNED	12/4/2018	8	1,184	148
PLANNED	12/4/2018	1	204	204
PLANNED	12/4/2018	8	256	32
PLANNED	12/4/2018	1	114	114
PLANNED	12/4/2018	5	350	70
PLANNED	12/4/2018	11	2,321	211
PLANNED	12/4/2018	17	1,649	97
PLANNED	12/4/2018	3	579	193
PLANNED	12/4/2018	3	51	17
PLANNED	12/4/2018	36	2,772	77
PLANNED	12/4/2018	1	108	108
PLANNED	12/4/2018	88	7,480	85
PLANNED	12/4/2018	4	500	125
PLANNED	12/4/2018	8	288	36
CUSTOMER REQUEST	12/4/2018	30	2,100	70
PLANNED	12/4/2018	1	56	56
PLANNED	12/4/2018	2	184	92
PLANNED	12/4/2018	3	390	130
PLANNED	12/4/2018	1	140	140
PLANNED	12/4/2018	4	660	165
PLANNED	12/4/2018	8	48	6
PLANNED	12/4/2018	4	788	197
PLANNED	12/4/2018	1	137	137
PLANNED	12/4/2018	4	720	180
PLANNED	12/4/2018	9	972	108
CUSTOMER REQUEST	12/4/2018	12	4,560	380
PLANNED	12/4/2018	3	501	167
CUSTOMER REQUEST	12/4/2018	33	4,026	122
PLANNED	12/4/2018	2	44	22
PLANNED	12/4/2018	15	285	19
PLANNED	12/4/2018	16	1,744	109
PLANNED	12/4/2018	3	156	52
PLANNED	12/4/2018	6	294	49

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/4/2018	5	465	93
PLANNED	12/4/2018	1	55	55
PLANNED	12/4/2018	4	616	154
PLANNED	12/4/2018	1	112	112
PLANNED	12/4/2018	2	98	49
PLANNED	12/4/2018	8	80	10
PLANNED	12/4/2018	5	130	26
PLANNED	12/4/2018	6	204	34
PLANNED	12/4/2018	1	57	57
PLANNED	12/4/2018	1	398	398
PLANNED	12/4/2018	4	136	34
PLANNED	12/4/2018	8	472	59
PLANNED	12/4/2018	3	204	68
PLANNED	12/4/2018	11	935	85
PLANNED	12/4/2018	1	151	151
PLANNED	12/4/2018	50	800	16
PLANNED	12/4/2018	2	102	51
PLANNED	12/4/2018	1	34	34
PLANNED	12/4/2018	10	230	23
PLANNED	12/4/2018	1	14	14
PLANNED	12/4/2018	6	324	54
PLANNED	12/4/2018	2	70	35
PLANNED	12/4/2018	1	89	89
PLANNED	12/4/2018	4	292	73
PLANNED	12/4/2018	2	92	46
PLANNED	12/4/2018	1	42	42
CUSTOMER REQUEST	12/4/2018	1	216	216
CUSTOMER REQUEST	12/4/2018	1	181	181
PLANNED	12/4/2018	1	208	208
PLANNED	12/4/2018	1	14	14
PLANNED	12/5/2018	1	73	73
PLANNED	12/5/2018	2	140	70
PLANNED	12/5/2018	14	2,394	171
PLANNED	12/5/2018	10	1,700	170
PLANNED	12/5/2018	80	11,760	147
PLANNED	12/5/2018	16	1,472	92
CUSTOMER REQUEST	12/5/2018	18	360	20
PLANNED	12/5/2018	28	4,760	170
CUSTOMER REQUEST	12/5/2018	10	610	61
PLANNED	12/5/2018	1	161	161
PLANNED	12/5/2018	1	90	90
PLANNED	12/5/2018	3	411	137
PLANNED	12/5/2018	38	5,928	156
PLANNED	12/5/2018	8	1,016	127
PLANNED	12/5/2018	26	1,040	40
PLANNED	12/5/2018	74	7,623	104
PLANNED	12/5/2018	1	87	87
PLANNED	12/5/2018	4	520	130
PLANNED	12/5/2018	5	155	31
PLANNED	12/5/2018	6	1,188	198
PLANNED	12/5/2018	2	106	53

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/5/2018	1	116	116
PLANNED	12/5/2018	2	198	99
PLANNED	12/5/2018	6	954	159
PLANNED	12/5/2018	1	180	180
PLANNED	12/5/2018	3	429	143
PLANNED	12/5/2018	5	315	63
PLANNED	12/5/2018	1	442	442
PLANNED	12/5/2018	4	184	46
CUSTOMER REQUEST	12/5/2018	1	504	504
PLANNED	12/5/2018	2	56	28
PLANNED	12/5/2018	1	72	72
PLANNED	12/5/2018	4	368	92
PLANNED	12/5/2018	4	348	87
PLANNED	12/5/2018	5	165	33
PLANNED	12/5/2018	6	246	41
PLANNED	12/5/2018	4	320	80
PLANNED	12/5/2018	34	8,092	238
PLANNED	12/5/2018	1	33	33
PLANNED	12/5/2018	6	36	6
CUSTOMER REQUEST	12/5/2018	11	176	16
PLANNED	12/5/2018	20	680	34
PLANNED	12/5/2018	8	456	57
PLANNED	12/5/2018	11	297	27
PLANNED	12/5/2018	3	249	83
PLANNED	12/5/2018	2	122	61
PLANNED	12/5/2018	8	304	38
PLANNED	12/5/2018	1	50	50
PLANNED	12/5/2018	8	184	23
PLANNED	12/5/2018	12	1,692	141
PLANNED	12/5/2018	15	1,485	99
PLANNED	12/5/2018	1	289	289
PLANNED	12/5/2018	1	58	58
PLANNED	12/5/2018	2	110	55
PLANNED	12/5/2018	2	204	102
PLANNED	12/5/2018	1	39	39
PLANNED	12/5/2018	84	6,804	81
PLANNED	12/5/2018	4	416	104
PLANNED	12/5/2018	3	342	114
PLANNED	12/5/2018	10	1,900	190
PLANNED	12/5/2018	7	602	86
PLANNED	12/5/2018	2	378	189
PLANNED	12/5/2018	8	8	1
CUSTOMER REQUEST	12/5/2018	1	894	894
PLANNED	12/5/2018	5	50	10
PLANNED	12/5/2018	4	432	108
PLANNED	12/5/2018	1	55	55
PLANNED	12/5/2018	1	297	297
PLANNED	12/5/2018	34	3,604	106
PLANNED	12/5/2018	1	24	24
PLANNED	12/5/2018	3	27	9
PLANNED	12/5/2018	3	93	31

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/5/2018	1	199	199
PLANNED	12/5/2018	4	336	84
PLANNED	12/5/2018	3	159	53
PLANNED	12/5/2018	1	48	48
PLANNED	12/5/2018	8	616	77
PLANNED	12/5/2018	4	852	213
PLANNED	12/5/2018	2	106	53
PLANNED	12/5/2018	1	118	118
PLANNED	12/5/2018	6	102	17
PLANNED	12/5/2018	12	420	35
PLANNED	12/5/2018	16	560	35
PLANNED	12/5/2018	14	28	2
PLANNED	12/5/2018	5	380	76
PLANNED	12/5/2018	1	85	85
PLANNED	12/5/2018	3	333	111
PLANNED	12/5/2018	2	198	99
PLANNED	12/5/2018	1	85	85
PLANNED	12/5/2018	2	294	147
PLANNED	12/5/2018	2	172	86
PLANNED	12/5/2018	4	176	44
PLANNED	12/5/2018	4	208	52
PLANNED	12/5/2018	2	44	22
PLANNED	12/5/2018	4	12	3
PLANNED	12/5/2018	1	67	67
PLANNED	12/5/2018	2	160	80
PLANNED	12/5/2018	5	360	72
CUSTOMER REQUEST	12/5/2018	4	1,156	289
PLANNED	12/5/2018	1	160	160
PLANNED	12/5/2018	16	896	56
PLANNED	12/5/2018	2	254	127
PLANNED	12/5/2018	2	294	147
PLANNED	12/5/2018	11	209	19
PLANNED	12/6/2018	5	480	96
PLANNED	12/6/2018	2	260	130
PLANNED	12/6/2018	6	924	154
PLANNED	12/6/2018	9	729	81
PLANNED	12/6/2018	15	1,215	81
PLANNED	12/6/2018	24	2,616	109
PLANNED	12/6/2018	2	278	139
PLANNED	12/6/2018	1	17	17
PLANNED	12/6/2018	2	342	171
PLANNED	12/6/2018	4	1,268	317
PLANNED	12/6/2018	3	126	42
PLANNED	12/6/2018	2	844	422
PLANNED	12/6/2018	11	99	9
PLANNED	12/6/2018	19	2,451	129
PLANNED	12/6/2018	1	125	125
PLANNED	12/6/2018	2	126	63
PLANNED	12/6/2018	8	768	96
PLANNED	12/6/2018	7	672	96
PLANNED	12/6/2018	4	384	96

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/6/2018	100	16,200	162
PLANNED	12/6/2018	2	372	186
PLANNED	12/6/2018	24	3,768	157
PLANNED	12/6/2018	4	56	14
PLANNED	12/6/2018	24	3,768	157
PLANNED	12/6/2018	25	4,225	169
PLANNED	12/6/2018	1	188	188
PLANNED	12/6/2018	3	195	65
PLANNED	12/6/2018	9	1,215	135
PLANNED	12/6/2018	4	120	30
PLANNED	12/6/2018	1	220	220
PLANNED	12/6/2018	2	96	48
PLANNED	12/6/2018	141	358	218
PLANNED	12/6/2018	10	740	74
PLANNED	12/6/2018	5	285	57
PLANNED	12/6/2018	14	1,064	76
PLANNED	12/6/2018	14	1,260	90
CUSTOMER REQUEST	12/6/2018	5	35	7
PLANNED	12/6/2018	3	726	242
PLANNED	12/6/2018	2	72	36
PLANNED	12/6/2018	8	400	50
PLANNED	12/6/2018	5	760	152
PLANNED	12/6/2018	1	403	403
PLANNED	12/6/2018	8	456	57
PLANNED	12/6/2018	7	238	34
PLANNED	12/6/2018	2	252	126
PLANNED	12/6/2018	3	615	205
PLANNED	12/6/2018	3	327	109
PLANNED	12/6/2018	5	215	43
PLANNED	12/6/2018	2	272	136
PLANNED	12/6/2018	1	217	217
PLANNED	12/6/2018	2	38	19
PLANNED	12/6/2018	1	136	136
PLANNED	12/6/2018	1	153	153
PLANNED	12/6/2018	9	819	91
PLANNED	12/6/2018	2	12	6
PLANNED	12/6/2018	16	160	10
PLANNED	12/6/2018	3	84	28
PLANNED	12/6/2018	2	22	11
PLANNED	12/6/2018	1	50	50
PLANNED	12/6/2018	5	100	20
PLANNED	12/6/2018	1	34	34
CUSTOMER REQUEST	12/6/2018	1	116	116
PLANNED	12/6/2018	2	22	11
PLANNED	12/6/2018	7	1,435	205
PLANNED	12/6/2018	2	168	84
PLANNED	12/6/2018	8	608	76
PLANNED	12/6/2018	3	51	17
PLANNED	12/6/2018	15	1,290	86
PLANNED	12/6/2018	7	644	92
PLANNED	12/6/2018	4	96	24

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/6/2018	36	3,204	89
PLANNED	12/6/2018	19	912	48
PLANNED	12/6/2018	2	84	42
PLANNED	12/6/2018	5	20	4
PLANNED	12/6/2018	6	24	4
PLANNED	12/6/2018	2	54	27
PLANNED	12/6/2018	1	11	11
PLANNED	12/6/2018	7	238	34
PLANNED	12/6/2018	1	55	55
CUSTOMER REQUEST	12/6/2018	1	32	32
PLANNED	12/6/2018	25	3,750	150
PLANNED	12/6/2018	25	3,750	150
PLANNED	12/6/2018	25	3,925	157
PLANNED	12/6/2018	41	6,396	156
PLANNED	12/6/2018	2	228	114
PLANNED	12/6/2018	4	84	21
PLANNED	12/6/2018	17	1,429	146
PLANNED	12/6/2018	23	184	8
PLANNED	12/6/2018	23	345	15
PLANNED	12/6/2018	3	375	125
PLANNED	12/6/2018	2	90	45
PLANNED	12/6/2018	3	147	49
PLANNED	12/6/2018	1	94	94
PLANNED	12/6/2018	32	2,784	87
PLANNED	12/6/2018	1	95	95
PLANNED	12/6/2018	2	134	67
PLANNED	12/6/2018	9	288	32
PLANNED	12/6/2018	8	408	51
PLANNED	12/6/2018	1	57	57
PLANNED	12/6/2018	1	148	148
PLANNED	12/6/2018	2	86	43
PLANNED	12/6/2018	2	500	250
PLANNED	12/6/2018	29	2,784	96
PLANNED	12/6/2018	12	1,788	149
PLANNED	12/6/2018	3	351	117
PLANNED	12/6/2018	8	624	78
PLANNED	12/6/2018	1	400	400
PLANNED	12/7/2018	1	118	118
CUSTOMER REQUEST	12/7/2018	764	6,112	8
CUSTOMER REQUEST	12/7/2018	68	5,780	85
PLANNED	12/7/2018	2	304	152
PLANNED	12/7/2018	4	364	91
PLANNED	12/7/2018	3	471	157
PLANNED	12/7/2018	7	63	9
PLANNED	12/7/2018	14	2,212	158
PLANNED	12/7/2018	1	90	90
PLANNED	12/7/2018	21	3,297	157
PLANNED	12/7/2018	2	330	165
PLANNED	12/7/2018	9	639	71
PLANNED	12/7/2018	1	48	48
PLANNED	12/7/2018	1	117	117

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/7/2018	49	7,644	156
PLANNED	12/7/2018	3	279	93
PLANNED	12/7/2018	49	7,791	159
PLANNED	12/7/2018	48	7,584	158
PLANNED	12/7/2018	4	120	30
PLANNED	12/7/2018	2	44	22
PLANNED	12/7/2018	5	325	65
PLANNED	12/7/2018	1	11	11
PLANNED	12/7/2018	2	100	50
PLANNED	12/7/2018	7	1,183	169
PLANNED	12/7/2018	10	150	15
PLANNED	12/7/2018	1	181	181
PLANNED	12/7/2018	3	228	76
PLANNED	12/7/2018	1	83	83
CUSTOMER REQUEST	12/7/2018	3	198	66
PLANNED	12/7/2018	1	122	122
CUSTOMER REQUEST	12/7/2018	1	114	114
PLANNED	12/7/2018	1	45	45
PLANNED	12/7/2018	9	1,143	127
PLANNED	12/7/2018	1	124	124
PLANNED	12/7/2018	23	1,932	84
PLANNED	12/7/2018	10	2,650	265
PLANNED	12/7/2018	9	1,080	120
CUSTOMER REQUEST	12/7/2018	14	2,492	178
PLANNED	12/7/2018	6	276	46
PLANNED	12/7/2018	13	117	9
PLANNED	12/7/2018	9	675	75
PLANNED	12/7/2018	8	1,392	174
PLANNED	12/7/2018	3	513	171
PLANNED	12/7/2018	3	96	32
PLANNED	12/7/2018	7	21	3
PLANNED	12/7/2018	9	576	64
PLANNED	12/7/2018	6	150	25
PLANNED	12/7/2018	1	34	34
PLANNED	12/7/2018	7	2,205	315
PLANNED	12/7/2018	1	161	161
PLANNED	12/7/2018	43	2,967	69
PLANNED	12/7/2018	36	3,060	85
PLANNED	12/7/2018	5	295	59
PLANNED	12/7/2018	49	4,214	86
PLANNED	12/7/2018	42	6,090	145
PLANNED	12/7/2018	1	32	32
PLANNED	12/7/2018	1	83	83
PLANNED	12/7/2018	4	136	34
PLANNED	12/7/2018	1	84	84
PLANNED	12/7/2018	1	90	90
PLANNED	12/7/2018	35	3,710	106
PLANNED	12/7/2018	5	505	101
CUSTOMER REQUEST	12/7/2018	26	4,394	169
PLANNED	12/7/2018	1	21	21
PLANNED	12/7/2018	4	548	137

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/7/2018	3	480	160
PLANNED	12/7/2018	1	33	33
PLANNED	12/7/2018	12	2,280	190
PLANNED	12/8/2018	1	397	397
PLANNED	12/8/2018	2	276	138
PLANNED	12/8/2018	14	2,380	170
PLANNED	12/8/2018	1	34	34
PLANNED	12/8/2018	1	246	246
PLANNED	12/8/2018	9	4,536	504
PLANNED	12/8/2018	1	295	295
PLANNED	12/8/2018	2	276	138
CUSTOMER REQUEST	12/8/2018	4	424	106
PLANNED	12/8/2018	1	300	300
PLANNED	12/8/2018	3	309	103
CUSTOMER REQUEST	12/8/2018	4	768	192
PLANNED	12/8/2018	1	110	110
PLANNED	12/8/2018	7	1,015	145
CUSTOMER REQUEST	12/8/2018	1	451	451
CUSTOMER REQUEST	12/8/2018	1	138	138
CUSTOMER REQUEST	12/8/2018	1,059	3,177	3
PLANNED	12/8/2018	1	388	388
CUSTOMER REQUEST	12/9/2018	4	1,476	369
CUSTOMER REQUEST	12/9/2018	996	66,732	67
PLANNED	12/9/2018	1	328	328
PLANNED	12/9/2018	11	2,387	217
PLANNED	12/9/2018	1	222	222
PLANNED	12/9/2018	3	24	8
PLANNED	12/9/2018	6	1,782	297
PLANNED	12/9/2018	1	206	206
PLANNED	12/9/2018	1	84	84
PLANNED	12/10/2018	2	298	149
PLANNED	12/10/2018	1	259	259
CUSTOMER REQUEST	12/10/2018	1	532	532
PLANNED	12/10/2018	2	52	26
PLANNED	12/10/2018	25	2,725	109
PLANNED	12/10/2018	1	217	217
PLANNED	12/10/2018	2	412	206
PLANNED	12/10/2018	1	161	161
PLANNED	12/10/2018	1	265	265
PLANNED	12/10/2018	50	6,550	131
PLANNED	12/10/2018	9	936	104
PLANNED	12/10/2018	7	385	55
PLANNED	12/10/2018	1	440	440
PLANNED	12/10/2018	1	78	78
PLANNED	12/10/2018	194	4,660	26
PLANNED	12/10/2018	12	780	65
PLANNED	12/10/2018	9	630	70
PLANNED	12/10/2018	13	637	49
PLANNED	12/10/2018	1	140	140
CUSTOMER REQUEST	12/10/2018	5	100	20
PLANNED	12/10/2018	12	132	11

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/10/2018	9	72	8
PLANNED	12/10/2018	7	105	15
PLANNED	12/10/2018	53	2,067	39
PLANNED	12/10/2018	9	369	41
PLANNED	12/10/2018	40	2,640	66
PLANNED	12/10/2018	4	700	175
PLANNED	12/10/2018	1	41	41
PLANNED	12/10/2018	1	220	220
PLANNED	12/10/2018	3	54	18
PLANNED	12/10/2018	9	27	3
PLANNED	12/10/2018	31	1,798	58
PLANNED	12/10/2018	4	292	73
PLANNED	12/10/2018	4	488	122
PLANNED	12/10/2018	1	322	322
PLANNED	12/10/2018	38	7,714	203
PLANNED	12/10/2018	8	296	37
PLANNED	12/10/2018	8	912	114
PLANNED	12/10/2018	6	684	114
PLANNED	12/10/2018	5	765	153
PLANNED	12/10/2018	11	198	18
PLANNED	12/10/2018	1	112	112
PLANNED	12/10/2018	1	104	104
PLANNED	12/10/2018	1	85	85
PLANNED	12/10/2018	7	259	37
PLANNED	12/10/2018	2	24	12
PLANNED	12/10/2018	7	238	34
PLANNED	12/10/2018	13	1,469	113
PLANNED	12/10/2018	17	1,955	115
PLANNED	12/10/2018	15	675	45
PLANNED	12/10/2018	6	330	55
PLANNED	12/10/2018	1	93	93
PLANNED	12/10/2018	13	13	1
PLANNED	12/10/2018	2	22	11
PLANNED	12/10/2018	8	512	64
PLANNED	12/10/2018	3	27	9
PLANNED	12/10/2018	1	308	308
PLANNED	12/10/2018	4	696	174
CUSTOMER REQUEST	12/10/2018	1	256	256
PLANNED	12/10/2018	3	195	65
PLANNED	12/10/2018	1	149	149
PLANNED	12/10/2018	1	31	31
PLANNED	12/10/2018	64	6,336	99
PLANNED	12/10/2018	7	504	72
PLANNED	12/10/2018	9	63	7
PLANNED	12/10/2018	11	682	62
PLANNED	12/10/2018	4	332	83
PLANNED	12/10/2018	1	26	26
PLANNED	12/10/2018	2	8	4
PLANNED	12/10/2018	1	38	38
CUSTOMER REQUEST	12/10/2018	1	300	300
PLANNED	12/10/2018	8	440	55

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/10/2018	3	6	2
PLANNED	12/10/2018	4	304	76
PLANNED	12/10/2018	1	167	167
PLANNED	12/10/2018	2	194	97
PLANNED	12/10/2018	3	114	38
PLANNED	12/10/2018	4	156	39
PLANNED	12/10/2018	3	147	49
PLANNED	12/10/2018	9	54	6
PLANNED	12/10/2018	2	56	28
CUSTOMER REQUEST	12/10/2018	1	32	32
PLANNED	12/10/2018	6	30	5
CUSTOMER REQUEST	12/10/2018	1	23	23
PLANNED	12/10/2018	9	792	88
PLANNED	12/10/2018	25	3,100	124
PLANNED	12/10/2018	2	132	66
PLANNED	12/10/2018	1	17	17
PLANNED	12/10/2018	1	102	102
PLANNED	12/11/2018	1	83	83
PLANNED	12/11/2018	5	795	159
PLANNED	12/11/2018	5	345	69
PLANNED	12/11/2018	1	108	108
PLANNED	12/11/2018	1	82	82
PLANNED	12/11/2018	1	65	65
PLANNED	12/11/2018	2	202	101
PLANNED	12/11/2018	2	102	51
PLANNED	12/11/2018	1	51	51
PLANNED	12/11/2018	1	62	62
PLANNED	12/11/2018	5	230	46
PLANNED	12/11/2018	2	102	51
PLANNED	12/11/2018	12	2,940	245
PLANNED	12/11/2018	5	465	93
CUSTOMER REQUEST	12/11/2018	3	1,203	401
PLANNED	12/11/2018	2	160	80
PLANNED	12/11/2018	1	72	72
PLANNED	12/11/2018	4	316	79
PLANNED	12/11/2018	6	366	61
PLANNED	12/11/2018	1	237	237
PLANNED	12/11/2018	11	242	22
PLANNED	12/11/2018	5	345	69
PLANNED	12/11/2018	8	744	93
PLANNED	12/11/2018	1	160	160
CUSTOMER REQUEST	12/11/2018	1	39	39
PLANNED	12/11/2018	6	276	46
CUSTOMER REQUEST	12/11/2018	6	90	15
PLANNED	12/11/2018	1	182	182
PLANNED	12/11/2018	1	378	378
PLANNED	12/11/2018	1	58	58
PLANNED	12/11/2018	8	792	99
CUSTOMER REQUEST	12/11/2018	4	124	31
PLANNED	12/11/2018	2	132	66
PLANNED	12/11/2018	5	115	23

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/11/2018	4	756	189
PLANNED	12/11/2018	17	1,224	72
PLANNED	12/11/2018	3	42	14
PLANNED	12/11/2018	19	5,187	273
PLANNED	12/11/2018	9	477	53
PLANNED	12/11/2018	4	204	51
PLANNED	12/11/2018	39	3,198	82
PLANNED	12/11/2018	15	180	12
PLANNED	12/11/2018	26	2,782	107
PLANNED	12/11/2018	18	936	52
PLANNED	12/11/2018	10	1,280	128
PLANNED	12/11/2018	1	30	30
PLANNED	12/11/2018	12	1,500	125
PLANNED	12/11/2018	12	648	54
PLANNED	12/11/2018	6	114	19
PLANNED	12/11/2018	4	4	1
PLANNED	12/11/2018	5	75	15
PLANNED	12/11/2018	4	244	61
PLANNED	12/11/2018	5	120	24
PLANNED	12/11/2018	2	214	107
CUSTOMER REQUEST	12/11/2018	2	32	16
PLANNED	12/11/2018	14	476	34
PLANNED	12/11/2018	2	190	95
PLANNED	12/11/2018	32	1,600	50
PLANNED	12/11/2018	11	275	25
PLANNED	12/11/2018	13	2,418	186
PLANNED	12/11/2018	2	202	101
PLANNED	12/11/2018	2	120	60
CUSTOMER REQUEST	12/11/2018	4	92	23
PLANNED	12/11/2018	49	1,911	39
PLANNED	12/11/2018	17	1,360	80
PLANNED	12/11/2018	8	320	40
PLANNED	12/11/2018	4	108	27
PLANNED	12/11/2018	9	972	108
PLANNED	12/11/2018	1	84	84
PLANNED	12/11/2018	1	11	11
PLANNED	12/11/2018	12	48	4
PLANNED	12/11/2018	20	1,220	61
PLANNED	12/11/2018	15	1,890	126
PLANNED	12/11/2018	8	640	80
PLANNED	12/11/2018	4	104	26
PLANNED	12/11/2018	4	100	25
PLANNED	12/11/2018	2	154	77
PLANNED	12/11/2018	21	2,331	111
PLANNED	12/11/2018	5	55	11
PLANNED	12/11/2018	13	2,418	186
PLANNED	12/11/2018	2	424	212
PLANNED	12/11/2018	5	555	111
PLANNED	12/11/2018	18	216	12
PLANNED	12/11/2018	1	1	1
PLANNED	12/11/2018	1	56	56

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/11/2018	3	72	24
PLANNED	12/11/2018	1	8	8
PLANNED	12/11/2018	1	37	37
PLANNED	12/11/2018	33	3,564	108
PLANNED	12/11/2018	17	1,989	117
CUSTOMER REQUEST	12/11/2018	1	128	128
PLANNED	12/11/2018	33	3,927	119
CUSTOMER REQUEST	12/11/2018	1	14	14
PLANNED	12/11/2018	83	3,154	38
PLANNED	12/11/2018	3	66	22
PLANNED	12/11/2018	8	200	25
PLANNED	12/11/2018	1	18	18
PLANNED	12/11/2018	3	543	181
PLANNED	12/11/2018	3	414	138
PLANNED	12/11/2018	19	1,349	71
PLANNED	12/11/2018	5	985	197
PLANNED	12/11/2018	8	1,008	126
PLANNED	12/11/2018	13	1,313	101
PLANNED	12/12/2018	1	21	21
PLANNED	12/12/2018	2	170	85
PLANNED	12/12/2018	2	202	101
PLANNED	12/12/2018	5	430	86
PLANNED	12/12/2018	10	1,100	110
PLANNED	12/12/2018	1	99	99
CUSTOMER REQUEST	12/12/2018	10	50	5
PLANNED	12/12/2018	1	282	282
PLANNED	12/12/2018	12	132	11
CUSTOMER REQUEST	12/12/2018	9	144	16
PLANNED	12/12/2018	9	54	6
PLANNED	12/12/2018	14	1,540	110
PLANNED	12/12/2018	4	236	59
PLANNED	12/12/2018	1	402	402
PLANNED	12/12/2018	7	686	98
CUSTOMER REQUEST	12/12/2018	1	348	348
PLANNED	12/12/2018	11	286	26
PLANNED	12/12/2018	2	142	71
PLANNED	12/12/2018	12	1,452	121
PLANNED	12/12/2018	8	1,768	221
PLANNED	12/12/2018	5	1,030	206
PLANNED	12/12/2018	1	98	98
PLANNED	12/12/2018	19	4,066	214
PLANNED	12/12/2018	1	301	301
PLANNED	12/12/2018	4	116	29
CUSTOMER REQUEST	12/12/2018	1	77	77
PLANNED	12/12/2018	1	94	94
CUSTOMER REQUEST	12/12/2018	9	576	64
PLANNED	12/12/2018	1	70	70
PLANNED	12/12/2018	1	298	298
PLANNED	12/12/2018	49	3,626	74
PLANNED	12/12/2018	7	665	95
PLANNED	12/12/2018	1	172	172

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/12/2018	2	146	73
PLANNED	12/12/2018	18	990	55
CUSTOMER REQUEST	12/12/2018	11	55	5
PLANNED	12/12/2018	10	5,220	522
PLANNED	12/12/2018	6	912	152
PLANNED	12/12/2018	1	230	230
PLANNED	12/12/2018	24	2,688	112
PLANNED	12/12/2018	1	84	84
PLANNED	12/12/2018	2	332	166
PLANNED	12/12/2018	2	358	179
PLANNED	12/12/2018	1	29	29
PLANNED	12/12/2018	8	608	76
PLANNED	12/12/2018	8	1,608	201
PLANNED	12/12/2018	2	228	114
PLANNED	12/12/2018	9	576	64
PLANNED	12/12/2018	9	1,638	182
CUSTOMER REQUEST	12/12/2018	38	1,824	48
PLANNED	12/12/2018	11	869	79
PLANNED	12/12/2018	4	300	75
PLANNED	12/12/2018	10	1,350	135
PLANNED	12/12/2018	2	196	98
PLANNED	12/12/2018	8	472	59
PLANNED	12/12/2018	6	246	41
PLANNED	12/12/2018	27	3,564	132
PLANNED	12/12/2018	113	15,368	136
PLANNED	12/12/2018	6	516	86
PLANNED	12/12/2018	5	390	78
PLANNED	12/12/2018	5	235	47
PLANNED	12/12/2018	5	125	25
CUSTOMER REQUEST	12/12/2018	868	25,172	29
PLANNED	12/12/2018	4	208	52
PLANNED	12/12/2018	6	678	113
PLANNED	12/12/2018	9	270	30
PLANNED	12/12/2018	2	66	33
PLANNED	12/12/2018	4	160	40
PLANNED	12/12/2018	5	115	23
PLANNED	12/12/2018	8	904	113
PLANNED	12/12/2018	1	56	56
PLANNED	12/12/2018	4	404	101
CUSTOMER REQUEST	12/12/2018	2,106	65,286	31
PLANNED	12/12/2018	2	224	112
PLANNED	12/12/2018	2	254	127
CUSTOMER REQUEST	12/12/2018	7	182	26
PLANNED	12/12/2018	7	686	98
PLANNED	12/12/2018	6	3,240	540
PLANNED	12/12/2018	2	540	270
PLANNED	12/12/2018	1	257	257
PLANNED	12/12/2018	4	300	75
PLANNED	12/12/2018	11	385	35
CUSTOMER REQUEST	12/12/2018	6	882	147
PLANNED	12/13/2018	1	191	191

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/13/2018	1	343	343
PLANNED	12/13/2018	14	4,690	335
PLANNED	12/13/2018	11	3,685	335
PLANNED	12/13/2018	18	6,570	365
PLANNED	12/13/2018	5	535	107
PLANNED	12/13/2018	6	402	67
PLANNED	12/13/2018	11	803	73
PLANNED	12/13/2018	2	10	5
PLANNED	12/13/2018	2	222	111
PLANNED	12/13/2018	3	81	27
PLANNED	12/13/2018	4	336	84
PLANNED	12/13/2018	1	114	114
PLANNED	12/13/2018	4	164	41
PLANNED	12/13/2018	1	71	71
PLANNED	12/13/2018	282	14,664	52
PLANNED	12/13/2018	1	306	306
PLANNED	12/13/2018	5	80	16
PLANNED	12/13/2018	1	181	181
PLANNED	12/13/2018	1	72	72
PLANNED	12/13/2018	5	680	136
PLANNED	12/13/2018	2	268	134
PLANNED	12/13/2018	12	1,092	91
CUSTOMER REQUEST	12/13/2018	2	374	187
PLANNED	12/13/2018	1	46	46
PLANNED	12/13/2018	1	142	142
PLANNED	12/13/2018	10	290	29
PLANNED	12/13/2018	1	74	74
PLANNED	12/13/2018	1	31	31
PLANNED	12/13/2018	54	2,808	52
PLANNED	12/13/2018	14	1,274	91
PLANNED	12/13/2018	7	49	7
CUSTOMER REQUEST	12/13/2018	3	27	9
PLANNED	12/13/2018	13	767	59
PLANNED	12/13/2018	1	39	39
PLANNED	12/13/2018	1	12	12
PLANNED	12/13/2018	15	615	41
PLANNED	12/13/2018	1	40	40
PLANNED	12/13/2018	31	2,108	68
PLANNED	12/13/2018	64	960	15
PLANNED	12/13/2018	2	240	120
PLANNED	12/13/2018	1	92	92
PLANNED	12/13/2018	2	88	44
PLANNED	12/13/2018	5	120	24
PLANNED	12/13/2018	6	588	98
PLANNED	12/13/2018	1	68	68
PLANNED	12/13/2018	2	90	45
PLANNED	12/13/2018	1	151	151
CUSTOMER REQUEST	12/13/2018	7	196	28
PLANNED	12/13/2018	7	175	25
PLANNED	12/13/2018	5	95	19
PLANNED	12/13/2018	1	41	41

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/13/2018	11	264	24
PLANNED	12/13/2018	1	127	127
PLANNED	12/13/2018	1	3	3
PLANNED	12/13/2018	33	5,808	176
PLANNED	12/13/2018	1	414	414
PLANNED	12/13/2018	3	300	100
PLANNED	12/13/2018	1	139	139
PLANNED	12/13/2018	6	2,016	336
CUSTOMER REQUEST	12/14/2018	30	5,640	188
PLANNED	12/14/2018	2	148	74
PLANNED	12/14/2018	1	118	118
PLANNED	12/14/2018	6	540	90
PLANNED	12/14/2018	2	202	101
PLANNED	12/14/2018	1	34	34
PLANNED	12/14/2018	1	41	41
CUSTOMER REQUEST	12/14/2018	2	246	123
PLANNED	12/14/2018	5	930	186
PLANNED	12/14/2018	1	91	91
PLANNED	12/14/2018	1	35	35
PLANNED	12/14/2018	63	3,465	55
PLANNED	12/14/2018	1	94	94
PLANNED	12/14/2018	27	2,646	98
PLANNED	12/14/2018	1	35	35
PLANNED	12/14/2018	3	351	117
PLANNED	12/14/2018	1	70	70
CUSTOMER REQUEST	12/14/2018	3	42	14
PLANNED	12/14/2018	11	1,947	177
CUSTOMER REQUEST	12/14/2018	1	4	4
PLANNED	12/14/2018	4	196	49
CUSTOMER REQUEST	12/14/2018	6	36	6
PLANNED	12/14/2018	29	9,135	315
PLANNED	12/14/2018	3	447	149
PLANNED	12/14/2018	10	70	7
PLANNED	12/14/2018	5	350	70
PLANNED	12/14/2018	1	50	50
PLANNED	12/14/2018	4	84	21
PLANNED	12/14/2018	1	10	10
PLANNED	12/14/2018	5	170	34
PLANNED	12/14/2018	4	132	33
PLANNED	12/14/2018	10	1,820	182
PLANNED	12/14/2018	2	82	41
PLANNED	12/14/2018	6	246	41
PLANNED	12/14/2018	1	40	40
PLANNED	12/14/2018	26	2,756	106
PLANNED	12/14/2018	20	580	29
PLANNED	12/14/2018	1	51	51
PLANNED	12/14/2018	1	16	16
PLANNED	12/14/2018	1	16	16
PLANNED	12/14/2018	2	184	92
PLANNED	12/14/2018	6	492	82
PLANNED	12/14/2018	1	28	28

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/14/2018	1	99	99
PLANNED	12/14/2018	1	127	127
PLANNED	12/14/2018	5	15	3
PLANNED	12/14/2018	2	108	54
CUSTOMER REQUEST	12/14/2018	1	117	117
PLANNED	12/14/2018	7	163	49
CUSTOMER REQUEST	12/14/2018	144	8,640	60
PLANNED	12/14/2018	10	140	14
PLANNED	12/14/2018	1	44	44
PLANNED	12/14/2018	1	212	212
PLANNED	12/14/2018	4	24	6
PLANNED	12/14/2018	8	3,632	454
CUSTOMER REQUEST	12/15/2018	1	163	163
PLANNED	12/15/2018	1	650	650
PLANNED	12/15/2018	1	179	179
PLANNED	12/15/2018	14	2,576	184
PLANNED	12/15/2018	2	42	21
PLANNED	12/15/2018	1	91	91
PLANNED	12/15/2018	3	1,095	365
PLANNED	12/15/2018	1	259	259
PLANNED	12/15/2018	1	467	467
PLANNED	12/15/2018	6	1,128	188
CUSTOMER REQUEST	12/15/2018	1	99	99
PLANNED	12/15/2018	3	6	2
CUSTOMER REQUEST	12/15/2018	31	6,386	206
PLANNED	12/15/2018	1	108	108
PLANNED	12/16/2018	10	260	26
PLANNED	12/16/2018	1	107	107
PLANNED	12/16/2018	16	2,000	125
PLANNED	12/16/2018	1	295	295
PLANNED	12/16/2018	1	125	125
PLANNED	12/16/2018	5	50	10
PLANNED	12/16/2018	7	1,225	175
PLANNED	12/16/2018	1	78	78
PLANNED	12/16/2018	2	158	79
PLANNED	12/16/2018	3	414	138
PLANNED	12/16/2018	1	130	130
PLANNED	12/16/2018	2	354	177
CUSTOMER REQUEST	12/16/2018	7	56	8
PLANNED	12/16/2018	1	58	58
PLANNED	12/16/2018	6	162	27
PLANNED	12/16/2018	1	16	16
PLANNED	12/16/2018	10	830	83
PLANNED	12/16/2018	1	42	42
PLANNED	12/16/2018	2	342	171
PLANNED	12/16/2018	9	396	44
CUSTOMER REQUEST	12/16/2018	1	434	434
CUSTOMER REQUEST	12/17/2018	1	167	167
PLANNED	12/17/2018	5	410	82
PLANNED	12/17/2018	1	220	220
PLANNED	12/17/2018	2	300	150

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/17/2018	6	48	8
CUSTOMER REQUEST	12/17/2018	1	553	553
PLANNED	12/17/2018	34	3,944	116
PLANNED	12/17/2018	8	488	61
PLANNED	12/17/2018	16	1,744	109
PLANNED	12/17/2018	4	24	6
CUSTOMER REQUEST	12/17/2018	1	236	236
PLANNED	12/17/2018	2	42	21
PLANNED	12/17/2018	4	736	184
PLANNED	12/17/2018	6	546	91
PLANNED	12/17/2018	13	1,443	111
PLANNED	12/17/2018	1	23	23
CUSTOMER REQUEST	12/17/2018	1	143	143
PLANNED	12/17/2018	13	2,314	178
PLANNED	12/17/2018	2	210	105
PLANNED	12/17/2018	2	298	149
PLANNED	12/17/2018	5	210	42
PLANNED	12/17/2018	2	382	191
PLANNED	12/17/2018	9	1,449	161
PLANNED	12/17/2018	5	600	120
PLANNED	12/17/2018	4	432	108
PLANNED	12/17/2018	4	164	41
PLANNED	12/17/2018	1	102	102
PLANNED	12/17/2018	1	130	130
PLANNED	12/17/2018	21	1,197	57
PLANNED	12/17/2018	1	93	93
PLANNED	12/17/2018	3	36	12
PLANNED	12/17/2018	6	312	52
PLANNED	12/17/2018	32	1,728	54
PLANNED	12/17/2018	6	360	60
PLANNED	12/17/2018	8	784	98
PLANNED	12/17/2018	8	256	32
PLANNED	12/17/2018	3	72	24
PLANNED	12/17/2018	10	920	92
CUSTOMER REQUEST	12/17/2018	7	42	6
PLANNED	12/17/2018	9	1,161	129
PLANNED	12/17/2018	5	170	34
PLANNED	12/17/2018	6	600	100
PLANNED	12/17/2018	4	208	52
PLANNED	12/17/2018	4	232	58
PLANNED	12/17/2018	8	1,568	196
CUSTOMER REQUEST	12/17/2018	1	5	5
PLANNED	12/17/2018	1	184	184
PLANNED	12/17/2018	1	189	189
PLANNED	12/17/2018	1	173	173
PLANNED	12/17/2018	1	247	247
PLANNED	12/17/2018	1	24	24
PLANNED	12/17/2018	1	98	98
PLANNED	12/17/2018	31	1,922	62
PLANNED	12/17/2018	10	420	42
PLANNED	12/17/2018	1	108	108

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/17/2018	2	76	38
PLANNED	12/17/2018	5	335	67
PLANNED	12/17/2018	8	576	72
PLANNED	12/17/2018	2	108	54
PLANNED	12/17/2018	5	875	175
PLANNED	12/17/2018	8	328	41
PLANNED	12/17/2018	2	234	117
PLANNED	12/17/2018	18	252	14
PLANNED	12/17/2018	1	95	95
PLANNED	12/17/2018	8	40	5
PLANNED	12/17/2018	5	305	61
PLANNED	12/17/2018	12	444	37
PLANNED	12/17/2018	8	48	6
CUSTOMER REQUEST	12/17/2018	3	708	236
PLANNED	12/17/2018	3	105	35
PLANNED	12/17/2018	13	1,027	79
PLANNED	12/17/2018	1	31	31
CUSTOMER REQUEST	12/17/2018	1	280	280
PLANNED	12/17/2018	2	232	116
PLANNED	12/17/2018	8	424	53
PLANNED	12/17/2018	6	204	34
CUSTOMER REQUEST	12/17/2018	1	145	145
CUSTOMER REQUEST	12/17/2018	1	136	136
PLANNED	12/17/2018	21	1,764	84
PLANNED	12/17/2018	4	184	46
PLANNED	12/17/2018	12	1,980	165
PLANNED	12/17/2018	1	101	101
PLANNED	12/18/2018	1	150	150
PLANNED	12/18/2018	1	251	251
PLANNED	12/18/2018	1	172	172
PLANNED	12/18/2018	1	105	105
PLANNED	12/18/2018	5	470	94
PLANNED	12/18/2018	6	1,158	193
PLANNED	12/18/2018	5	965	193
PLANNED	12/18/2018	1	147	147
PLANNED	12/18/2018	16	1,104	69
PLANNED	12/18/2018	1	159	159
PLANNED	12/18/2018	2	120	60
PLANNED	12/18/2018	14	980	70
PLANNED	12/18/2018	3	432	144
PLANNED	12/18/2018	2	168	84
PLANNED	12/18/2018	64	23,680	370
PLANNED	12/18/2018	2	140	70
PLANNED	12/18/2018	10	2,810	281
PLANNED	12/18/2018	3	417	139
PLANNED	12/18/2018	10	3,330	333
PLANNED	12/18/2018	4	184	46
PLANNED	12/18/2018	1	4	4
PLANNED	12/18/2018	1	109	109
PLANNED	12/18/2018	62	5,394	87
PLANNED	12/18/2018	2	376	188

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/18/2018	3	381	127
CUSTOMER REQUEST	12/18/2018	34	4,046	119
CUSTOMER REQUEST	12/18/2018	45	6,930	154
PLANNED	12/18/2018	5	405	81
CUSTOMER REQUEST	12/18/2018	1,158	62,532	54
CUSTOMER REQUEST	12/18/2018	1,793	93,236	52
CUSTOMER REQUEST	12/18/2018	569	29,588	52
PLANNED	12/18/2018	1	119	119
PLANNED	12/18/2018	3	168	56
PLANNED	12/18/2018	1	146	146
PLANNED	12/18/2018	2	184	92
PLANNED	12/18/2018	1	100	100
PLANNED	12/18/2018	1	55	55
PLANNED	12/18/2018	1	81	81
PLANNED	12/18/2018	1	63	63
PLANNED	12/18/2018	4	472	118
PLANNED	12/18/2018	2	116	58
PLANNED	12/18/2018	8	1,056	132
PLANNED	12/18/2018	1	118	118
PLANNED	12/18/2018	3	129	43
PLANNED	12/18/2018	3	114	38
PLANNED	12/18/2018	19	2,774	146
PLANNED	12/18/2018	5	110	22
CUSTOMER REQUEST	12/18/2018	4	304	76
PLANNED	12/18/2018	8	440	55
PLANNED	12/18/2018	1	62	62
CUSTOMER REQUEST	12/18/2018	1	109	109
PLANNED	12/18/2018	1	27	27
PLANNED	12/18/2018	2	262	131
PLANNED	12/18/2018	6	576	96
PLANNED	12/18/2018	5	5	1
PLANNED	12/18/2018	4	128	32
PLANNED	12/18/2018	4	72	18
PLANNED	12/18/2018	1	60	60
PLANNED	12/18/2018	19	608	32
PLANNED	12/18/2018	2	124	62
PLANNED	12/18/2018	1	96	96
PLANNED	12/18/2018	7	700	100
PLANNED	12/18/2018	9	873	97
PLANNED	12/18/2018	8	1,072	134
PLANNED	12/18/2018	5	675	135
PLANNED	12/18/2018	10	1,040	104
PLANNED	12/18/2018	11	2,189	199
PLANNED	12/18/2018	6	60	10
PLANNED	12/18/2018	1	124	124
PLANNED	12/18/2018	2	250	125
PLANNED	12/18/2018	3	507	169
PLANNED	12/18/2018	9	828	92
PLANNED	12/18/2018	9	900	100
PLANNED	12/18/2018	2	154	77
PLANNED	12/18/2018	5	395	79

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/18/2018	2	420	210
PLANNED	12/18/2018	1	88	88
PLANNED	12/18/2018	1	74	74
PLANNED	12/18/2018	1	185	185
PLANNED	12/18/2018	7	455	65
PLANNED	12/18/2018	1	154	154
PLANNED	12/18/2018	1	54	54
PLANNED	12/18/2018	1	53	53
PLANNED	12/18/2018	2	290	145
PLANNED	12/18/2018	2	98	49
PLANNED	12/18/2018	3	195	65
PLANNED	12/18/2018	2	72	36
PLANNED	12/18/2018	1	40	40
PLANNED	12/18/2018	3	15	5
PLANNED	12/18/2018	3	240	80
CUSTOMER REQUEST	12/18/2018	1	114	114
PLANNED	12/18/2018	2	12	6
CUSTOMER REQUEST	12/18/2018	1	76	76
PLANNED	12/18/2018	3	1,794	598
PLANNED	12/18/2018	5	3,120	624
PLANNED	12/18/2018	7	3,997	571
PLANNED	12/18/2018	5	480	96
PLANNED	12/18/2018	12	1,080	90
PLANNED	12/19/2018	1	14	14
PLANNED	12/19/2018	11	891	81
PLANNED	12/19/2018	2	1,222	611
CUSTOMER REQUEST	12/19/2018	1,357	39,353	29
CUSTOMER REQUEST	12/19/2018	1	165	165
PLANNED	12/19/2018	6	528	88
PLANNED	12/19/2018	18	1,566	87
PLANNED	12/19/2018	1	329	329
PLANNED	12/19/2018	2	44	22
PLANNED	12/19/2018	13	52	4
PLANNED	12/19/2018	7	777	111
CUSTOMER REQUEST	12/19/2018	12	252	21
PLANNED	12/19/2018	1	188	188
PLANNED	12/19/2018	1	215	215
CUSTOMER REQUEST	12/19/2018	3	504	168
PLANNED	12/19/2018	16	640	40
PLANNED	12/19/2018	52	6,136	118
PLANNED	12/19/2018	12	1,728	144
PLANNED	12/19/2018	13	1,937	149
PLANNED	12/19/2018	3	51	17
PLANNED	12/19/2018	9	495	55
PLANNED	12/19/2018	1	37	37
CUSTOMER REQUEST	12/19/2018	2	8	4
PLANNED	12/19/2018	8	432	54
PLANNED	12/19/2018	6	108	18
PLANNED	12/19/2018	5	245	49
PLANNED	12/19/2018	1	85	85
PLANNED	12/19/2018	2	986	493

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/19/2018	1	20	20
PLANNED	12/19/2018	17	68	4
PLANNED	12/19/2018	5	1,165	233
PLANNED	12/19/2018	10	1,560	156
PLANNED	12/19/2018	1	134	134
PLANNED	12/19/2018	1	105	105
PLANNED	12/19/2018	4	244	61
PLANNED	12/19/2018	5	150	30
PLANNED	12/19/2018	1	79	79
PLANNED	12/19/2018	25	2,775	111
PLANNED	12/19/2018	6	156	26
PLANNED	12/19/2018	4	840	210
PLANNED	12/19/2018	1	23	23
PLANNED	12/19/2018	1	92	92
PLANNED	12/19/2018	2	36	18
PLANNED	12/19/2018	4	192	48
PLANNED	12/19/2018	16	544	34
PLANNED	12/19/2018	12	552	46
PLANNED	12/19/2018	3	189	63
PLANNED	12/19/2018	3	420	140
CUSTOMER REQUEST	12/19/2018	5	110	22
PLANNED	12/19/2018	3	39	13
PLANNED	12/19/2018	6	372	62
CUSTOMER REQUEST	12/19/2018	3	105	35
PLANNED	12/19/2018	1	179	179
PLANNED	12/19/2018	7	791	113
CUSTOMER REQUEST	12/19/2018	3	687	229
PLANNED	12/19/2018	2	332	166
PLANNED	12/19/2018	3	168	56
PLANNED	12/19/2018	8	344	43
PLANNED	12/19/2018	4	524	131
PLANNED	12/19/2018	1	167	167
PLANNED	12/19/2018	10	400	40
PLANNED	12/19/2018	13	377	29
PLANNED	12/19/2018	13	234	18
PLANNED	12/19/2018	2	122	61
PLANNED	12/19/2018	1	190	190
PLANNED	12/19/2018	18	1,044	58
PLANNED	12/19/2018	16	944	59
PLANNED	12/19/2018	1	32	32
PLANNED	12/19/2018	3	66	22
PLANNED	12/19/2018	1	54	54
PLANNED	12/19/2018	4	440	110
PLANNED	12/19/2018	1	26	26
PLANNED	12/19/2018	7	133	19
PLANNED	12/19/2018	1	109	109
PLANNED	12/19/2018	6	180	30
PLANNED	12/19/2018	3	237	79
PLANNED	12/19/2018	23	1,081	47
PLANNED	12/19/2018	3	177	59
PLANNED	12/19/2018	9	1,089	121

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/19/2018	10	550	55
CUSTOMER REQUEST	12/19/2018	1	191	191
PLANNED	12/19/2018	1	31	31
PLANNED	12/19/2018	4	108	27
PLANNED	12/19/2018	8	128	16
PLANNED	12/19/2018	1	35	35
CUSTOMER REQUEST	12/19/2018	1	69	69
PLANNED	12/19/2018	1	73	73
PLANNED	12/19/2018	5	1,720	344
PLANNED	12/19/2018	1	76	76
PLANNED	12/20/2018	2	296	148
PLANNED	12/20/2018	1	8	8
Tornado	12/20/2018	7	168	24
PLANNED	12/20/2018	3	264	88
PLANNED	12/20/2018	1	15	15
Tornado	12/20/2018	11	231	21
CUSTOMER REQUEST	12/20/2018	17	1,088	64
PLANNED	12/20/2018	1	238	238
Tornado	12/20/2018	2	96	48
PLANNED	12/20/2018	1	104	104
PLANNED	12/20/2018	2	986	493
PLANNED	12/20/2018	1	8	8
PLANNED	12/20/2018	4	160	40
Tornado	12/20/2018	11	704	64
PLANNED	12/20/2018	1	29	29
CUSTOMER REQUEST	12/20/2018	1	395	395
PLANNED	12/20/2018	8	1,312	164
Tornado	12/20/2018	2	18	9
PLANNED	12/20/2018	1	366	366
PLANNED	12/20/2018	5	335	67
PLANNED	12/20/2018	13	312	24
PLANNED	12/20/2018	4	588	147
PLANNED	12/20/2018	1	403	403
PLANNED	12/20/2018	3	207	69
PLANNED	12/20/2018	7	168	24
PLANNED	12/20/2018	11	418	38
CUSTOMER REQUEST	12/20/2018	4	1396	349
PLANNED	12/20/2018	3	18	6
PLANNED	12/20/2018	27	1242	47
PLANNED	12/20/2018	1	136	136
PLANNED	12/20/2018	1	34	34
PLANNED	12/20/2018	3	87	29
Tornado	12/20/2018	1	36	36
Tornado	12/20/2018	1	240	240
PLANNED	12/20/2018	8	104	13
PLANNED	12/20/2018	9	288	32
CUSTOMER REQUEST	12/20/2018	5	70	14
PLANNED	12/20/2018	2	342	171
PLANNED	12/21/2018	2	70	35
CUSTOMER REQUEST	12/21/2018	1	108	108
PLANNED	12/21/2018	6	198	33

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/21/2018	24	288	12
PLANNED	12/21/2018	7	763	109
PLANNED	12/21/2018	10	1150	115
PLANNED	12/21/2018	3	246	82
PLANNED	12/21/2018	7	770	110
PLANNED	12/21/2018	18	558	31
PLANNED	12/21/2018	8	616	77
PLANNED	12/21/2018	6	462	77
PLANNED	12/21/2018	3	42	14
PLANNED	12/21/2018	3	597	199
PLANNED	12/21/2018	5	455	91
PLANNED	12/21/2018	10	320	32
PLANNED	12/21/2018	3	540	180
PLANNED	12/21/2018	12	564	47
PLANNED	12/21/2018	6	150	25
PLANNED	12/21/2018	10	860	86
PLANNED	12/21/2018	12	588	49
CUSTOMER REQUEST	12/21/2018	1	508	508
PLANNED	12/21/2018	1	89	89
PLANNED	12/21/2018	3	51	17
PLANNED	12/21/2018	7	371	53
CUSTOMER REQUEST	12/21/2018	1830	78690	43
CUSTOMER REQUEST	12/21/2018	296	4144	14
PLANNED	12/21/2018	10	140	14
PLANNED	12/21/2018	1	61	61
CUSTOMER REQUEST	12/21/2018	1	132	132
PLANNED	12/21/2018	21	336	16
PLANNED	12/21/2018	5	220	44
PLANNED	12/21/2018	2	50	25
CUSTOMER REQUEST	12/21/2018	1	198	198
PLANNED	12/21/2018	3	63	21
PLANNED	12/22/2018	1	505	505
CUSTOMER REQUEST	12/22/2018	1	313	313
PLANNED	12/22/2018	11	374	34
PLANNED	12/22/2018	16	464	29
CUSTOMER REQUEST	12/22/2018	1	106	106
PLANNED	12/22/2018	5	295	59
PLANNED	12/22/2018	6	66	11
CUSTOMER REQUEST	12/22/2018	1	117	117
PLANNED	12/22/2018	1	171	171
PLANNED	12/22/2018	8	432	54
CUSTOMER REQUEST	12/22/2018	1	146	146
PLANNED	12/22/2018	8	488	61
PLANNED	12/22/2018	5	120	24
PLANNED	12/22/2018	6	936	156
CUSTOMER REQUEST	12/22/2018	1	270	270
PLANNED	12/22/2018	6	594	99
PLANNED	12/22/2018	5	800	160
PLANNED	12/23/2018	2	208	104
PLANNED	12/23/2018	2	342	171
PLANNED	12/23/2018	1	249	249

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/23/2018	7	994	142
PLANNED	12/23/2018	8	872	109
PLANNED	12/23/2018	3	54	18
PLANNED	12/24/2018	1	206	206
PLANNED	12/24/2018	1	160	160
CUSTOMER REQUEST	12/25/2018	4	136	34
PLANNED	12/26/2018	2	96	48
CUSTOMER REQUEST	12/26/2018	15	135	9
PLANNED	12/26/2018	11	22	2
PLANNED	12/26/2018	3	126	42
PLANNED	12/26/2018	6	2898	483
PLANNED	12/26/2018	10	1130	113
PLANNED	12/26/2018	10	1930	193
PLANNED	12/26/2018	7	182	26
PLANNED	12/26/2018	18	54	3
PLANNED	12/26/2018	2	212	106
PLANNED	12/26/2018	1	120	120
PLANNED	12/26/2018	6	72	12
PLANNED	12/26/2018	1	238	238
PLANNED	12/26/2018	3	60	20
PLANNED	12/26/2018	12	1776	148
PLANNED	12/26/2018	5	750	150
CUSTOMER REQUEST	12/26/2018	6	90	15
PLANNED	12/26/2018	6	210	35
CUSTOMER REQUEST	12/26/2018	2	102	51
CUSTOMER REQUEST	12/26/2018	6	264	44
PLANNED	12/26/2018	5	295	59
PLANNED	12/26/2018	6	264	44
PLANNED	12/26/2018	13	1183	91
PLANNED	12/26/2018	8	736	92
PLANNED	12/26/2018	2	42	21
CUSTOMER REQUEST	12/26/2018	2	18	9
PLANNED	12/26/2018	26	2262	87
PLANNED	12/26/2018	1	123	123
PLANNED	12/26/2018	7	301	43
PLANNED	12/26/2018	1	116	116
PLANNED	12/26/2018	11	33	3
PLANNED	12/26/2018	13	663	51
PLANNED	12/26/2018	3	378	126
CUSTOMER REQUEST	12/26/2018	2247	27299	17
PLANNED	12/26/2018	3	120	40
PLANNED	12/26/2018	5	255	51
PLANNED	12/26/2018	1	43	43
PLANNED	12/26/2018	1	80	80
PLANNED	12/26/2018	4	148	37
PLANNED	12/26/2018	5	705	141
PLANNED	12/26/2018	9	684	76
PLANNED	12/26/2018	6	378	63
PLANNED	12/26/2018	11	803	73
PLANNED	12/26/2018	1	81	81
PLANNED	12/26/2018	6	312	52

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/26/18	6	378	63
PLANNED	12/26/18	8	680	85
PLANNED	12/26/18	1	32	32
PLANNED	12/26/18	1	102	102
PLANNED	12/26/18	2	204	102
PLANNED	12/26/18	2	186	93
PLANNED	12/26/18	2	102	51
PLANNED	12/26/18	3	81	27
PLANNED	12/26/18	20	1320	66
PLANNED	12/26/18	21	1344	64
PLANNED	12/26/18	7	504	72
PLANNED	12/26/18	7	721	103
PLANNED	12/26/18	4	852	213
PLANNED	12/26/18	1	79	79
PLANNED	12/26/18	1	224	224
PLANNED	12/26/18	2	434	217
PLANNED	12/26/18	3	138	46
PLANNED	12/26/18	1	215	215
PLANNED	12/26/18	1	237	237
PLANNED	12/26/18	3	1095	365
PLANNED	12/27/18	9	567	63
PLANNED	12/27/18	1	60	60
PLANNED	12/27/18	5	355	71
PLANNED	12/27/18	9	1521	169
PLANNED	12/27/18	1	490	490
PLANNED	12/27/18	1	122	122
PLANNED	12/27/18	2	92	46
PLANNED	12/27/18	14	434	31
PLANNED	12/27/18	8	488	61
PLANNED	12/27/18	1	270	270
PLANNED	12/27/18	10	520	52
PLANNED	12/27/18	26	3380	130
CUSTOMER REQUEST	12/27/18	4	12	3
PLANNED	12/27/18	2	188	94
PLANNED	12/27/18	26	3198	123
PLANNED	12/27/18	2	212	106
CUSTOMER REQUEST	12/27/18	18	648	36
PLANNED	12/27/18	1	39	39
PLANNED	12/27/18	7	14	2
PLANNED	12/27/18	6	558	93
PLANNED	12/27/18	6	516	86
PLANNED	12/27/18	4	176	44
PLANNED	12/27/18	8	688	86
PLANNED	12/27/18	6	516	86
PLANNED	12/27/18	15	1860	124
PLANNED	12/27/18	1	165	165
PLANNED	12/27/18	11	1507	137
PLANNED	12/27/18	4	12	3
PLANNED	12/27/18	3	411	137
PLANNED	12/27/18	2	124	62
PLANNED	12/27/18	7	462	66

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/27/18	5	625	125
PLANNED	12/27/18	12	1500	125
PLANNED	12/27/18	3	348	116
PLANNED	12/27/18	10	1250	125
PLANNED	12/27/18	2	366	183
PLANNED	12/27/18	4	256	64
PLANNED	12/27/18	6	114	19
PLANNED	12/27/18	1	31	31
PLANNED	12/27/18	1	67	67
CUSTOMER REQUEST	12/27/18	7	469	67
PLANNED	12/27/18	24	2112	88
PLANNED	12/27/18	2	174	87
CUSTOMER REQUEST	12/27/18	1234	41956	34
CUSTOMER REQUEST	12/27/18	1	116	116
PLANNED	12/27/18	2	28	14
PLANNED	12/27/18	3	267	89
PLANNED	12/27/18	9	909	101
PLANNED	12/27/18	4	32	8
PLANNED	12/27/18	2	200	100
PLANNED	12/27/18	22	5038	229
PLANNED	12/27/18	17	595	35
PLANNED	12/27/18	1	11	11
PLANNED	12/27/18	10	110	11
PLANNED	12/27/18	15	825	55
PLANNED	12/27/18	10	540	54
PLANNED	12/27/18	3	81	27
PLANNED	12/27/18	15	885	59
PLANNED	12/27/18	2	620	310
PLANNED	12/27/18	1	488	488
PLANNED	12/27/18	1	487	487
PLANNED	12/27/18	3	99	33
PLANNED	12/27/18	2	150	75
PLANNED	12/28/18	9	1485	165
PLANNED	12/28/18	1	151	151
PLANNED	12/28/18	1	146	146
PLANNED	12/28/18	2	154	77
PLANNED	12/28/18	9	1278	142
PLANNED	12/28/18	5	370	74
PLANNED	12/28/18	1	75	75
PLANNED	12/28/18	10	560	56
PLANNED	12/28/18	11	1353	123
PLANNED	12/28/18	18	1152	64
PLANNED	12/28/18	18	450	25
PLANNED	12/28/18	16	2576	161
PLANNED	12/28/18	6	522	87
CUSTOMER REQUEST	12/28/18	2	176	88
CUSTOMER REQUEST	12/28/18	9	423	47
PLANNED	12/28/18	5	25	5
PLANNED	12/28/18	19	988	52
PLANNED	12/28/18	8	272	34
PLANNED	12/28/18	13	767	59

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/28/18	8	384	48
PLANNED	12/28/18	50	1850	37
CUSTOMER REQUEST	12/28/18	8	552	69
PLANNED	12/28/18	11	187	17
PLANNED	12/28/18	1	244	244
PLANNED	12/28/18	9	2304	256
PLANNED	12/28/18	24	2208	92
PLANNED	12/28/18	7	1176	168
PLANNED	12/28/18	2	794	397
PLANNED	12/28/18	4	304	76
CUSTOMER REQUEST	12/28/18	8	32	4
PLANNED	12/28/18	7	259	37
PLANNED	12/28/18	3	165	55
PLANNED	12/28/18	12	72	6
PLANNED	12/28/18	1	15	15
PLANNED	12/28/18	3	294	98
PLANNED	12/28/18	3	429	143
PLANNED	12/28/18	7	77	11
PLANNED	12/28/18	8	760	95
PLANNED	12/28/18	7	1652	236
CUSTOMER REQUEST	12/28/18	1	330	330
PLANNED	12/28/18	3	147	49
PLANNED	12/28/18	5	390	78
PLANNED	12/28/18	8	96	12
PLANNED	12/28/18	8	944	118
PLANNED	12/28/18	1	105	105
PLANNED	12/28/18	6	240	40
PLANNED	12/28/18	2	104	52
CUSTOMER REQUEST	12/28/18	12	324	27
PLANNED	12/28/18	3	204	68
PLANNED	12/28/18	6	504	84
CUSTOMER REQUEST	12/28/18	1	123	123
CUSTOMER REQUEST	12/28/18	3	84	28
PLANNED	12/28/18	2	144	72
PLANNED	12/28/18	12	1464	122
PLANNED	12/28/18	8	400	50
PLANNED	12/28/18	4	216	54
PLANNED	12/28/18	2	192	96
PLANNED	12/28/18	1	85	85
PLANNED	12/28/18	1	121	121
PLANNED	12/29/18	1	318	318
PLANNED	12/29/18	1	61	61
CUSTOMER REQUEST	12/30/18	1	89	89
PLANNED	12/30/18	6	2898	483
PLANNED	12/31/18	18	18	1
PLANNED	12/31/18	3	72	24
CUSTOMER REQUEST	12/31/18	2	94	47
PLANNED	12/31/18	14	14	1
PLANNED	12/31/18	3	93	31
PLANNED	12/31/18	6	18	3
PLANNED	12/31/18	2	8	4

Q13 - Distribution Excluded Outage Events

Causation	Date	CI	CMI	L-Bar
PLANNED	12/31/18	5	805	161
PLANNED	12/31/18	2	204	102
PLANNED	12/31/18	6	960	160
CUSTOMER REQUEST	12/31/18	1	91	91
PLANNED	12/31/18	1	85	85
CUSTOMER REQUEST	12/31/18	1	69	69
PLANNED	12/31/18	1	40	40

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
814134	SD	Hybrid	2466	4	38	0	3.6	2.0	0.4	16.8	4.0	18.8	22.8	273	29401	Yes	5.76	5.76	13
814132	SD	Hybrid	1833	17	10	4	3.5	0.6	9.8	5.8	13.3	6.4	19.7	2610	339204	Yes	-0.24	8.46	82
814131	SD	Hybrid	910	39	22	7	7.9	0.1	12.5	10.6	20.4	10.7	31.1	129	23899	Yes	-0.20	5.30	48
814049	CD	UG	0	0	1	0	0.0	0.7	0.0	0.0	0.0	0.7	0.7	0	0	Yes	0.00	0.00	0
814045	CD	UG	1126	0	5	0	0.0	2.9	0.0	0.7	0.0	3.6	3.6	184	17050	Yes	5.15	5.15	2
814044	CD	UG	1232	0	7	0	0.0	1.2	0.0	0.8	0.0	2.0	2.0	0	0	Yes	4.31	4.31	0
814043	CD	UG	139	0	6	0	0.0	3.1	0.0	0.2	0.0	3.3	3.3	0	0	Yes	3.60	3.60	0
814042	CD	UG	9	0	4	0	0.0	2.2	0.0	0.1	0.0	2.3	2.3	0	0	Yes	3.22	3.22	0
814039	CD	UG	47	0	4	0	0.0	1.5	0.0	0.5	0.0	2.0	2.0	0	0	Yes	2.42	2.42	0
814038	CD	UG	1620	0	6	1	0.0	5.0	0.0	0.9	0.0	5.9	5.9	0	0	Yes	5.82	5.82	0
814037	CD	UG	61	0	1	0	0.0	1.7	0.0	0.0	0.0	1.7	1.7	1	108	Yes	6.07	6.07	1
814036	CD	Hybrid	2033	19	14	1	2.7	2.3	1.1	0.4	3.8	2.7	6.5	1579	119040	Yes	6.15	6.15	16
814035	CD	Hybrid	2150	10	20	2	2.4	0.7	1.0	0.7	3.4	1.4	4.8	13	2325	Yes	5.79	5.79	4
814034	CD	UG	515	0	4	0	0.0	2.9	0.0	0.5	0.0	3.4	3.4	0	0	Yes	5.17	5.17	0
814033	CD	UG	766	0	4	0	0.0	3.1	0.0	0.2	0.0	3.3	3.3	0	0	Yes	4.10	4.10	0
814032	CD	UG	640	1	6	1	0.0	3.1	0.1	0.6	0.1	3.7	3.8	0	0	Yes	2.32	2.32	0
814031	CD	Hybrid	426	2	12	1	0.6	4.8	0.2	0.5	0.8	5.3	6.1	384	12506	Yes	3.19	3.19	5
813731	WD	UG	0	0	0	0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0	0	Yes	0.46	0.46	0
813533	CD	Hybrid	1818	20	6	1	3.4	1.3	5.8	1.0	9.2	2.3	11.5	2298	161785	Yes	6.54	6.54	34
813532	CD	Hybrid	1379	10	14	1	3.0	0.7	1.9	0.9	4.9	1.6	6.5	51	8458	Yes	6.07	6.07	11
813239	CD	UG	0	0	0	0	0.0	1.3	0.0	0.0	0.0	1.3	1.3	0	0	Yes	0.46	0.46	0
813236	CD	UG	15	0	6	1	0.0	2.2	0.0	0.3	0.0	2.5	2.5	0	0	Yes	-0.15	3.85	0
813235	CD	UG	1553	1	8	0	0.0	4.1	0.0	1.4	0.0	5.5	5.5	0	0	Yes	-2.27	7.73	0
813234	CD	UG	356	0	4	0	0.0	3.5	0.0	0.5	0.0	4.0	4.0	0	0	Yes	0.11	9.61	0
813233	CD	UG	1511	0	6	0	0.0	0.8	0.0	0.8	0.0	1.6	1.6	0	0	Yes	0.32	4.82	0
813232	CD	UG	976	0	5	0	0.0	6.9	0.0	0.4	0.0	7.3	7.3	0	0	Yes	-0.18	5.82	0
813231	CD	UG	1620	0	8	0	0.0	4.2	0.0	1.4	0.0	5.6	5.6	1	858	Yes	0.94	6.84	1
813140	CD	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.02	0.02	0
813139	CD	Hybrid	1473	14	14	2	2.0	1.2	1.9	0.7	3.9	1.9	5.8	23	5982	Yes	3.01	4.51	8
813138	CD	UG	689	0	4	0	0.0	2.4	0.0	0.7	0.0	3.1	3.1	0	0	Yes	0.02	0.02	0
813137	CD	UG	724	0	4	0	0.0	3.0	0.0	1.2	0.0	4.2	4.2	0	0	Yes	2.01	4.11	0
813136	CD	UG	2476	0	9	1	0.0	2.2	0.1	1.6	0.1	3.8	3.9	1	75	Yes	2.25	8.15	1
813135	CD	Hybrid	1794	6	18	3	1.9	0.9	0.9	0.6	2.8	1.5	4.3	203	23171	Yes	3.15	4.45	16
813134	CD	UG	1323	0	7	0	0.0	1.4	0.0	0.8	0.0	2.2	2.2	0	0	Yes	-0.35	4.15	0
813133	CD	UG	2219	0	10	0	0.0	3.7	0.0	1.5	0.0	5.2	5.2	0	0	Yes	-0.22	8.38	0
813132	CD	UG	1738	0	7	0	0.0	2.3	0.0	0.9	0.0	3.2	3.2	675	53558	Yes	0.06	7.06	6
813131	CD	UG	1551	0	9	0	0.0	2.4	0.0	1.7	0.0	4.1	4.1	0	0	Yes	-0.75	9.15	0
812835	WD	UG	20	0	0	0	0.0	2.4	0.0	0.0	0.0	2.4	2.4	0	0	Yes	-0.23	3.07	0
812834	WD	UG	34	0	1	0	0.0	2.1	0.0	0.0	0.0	2.1	2.1	0	0	Yes	-0.13	2.67	0
812833	WD	UG	15	0	0	0	0.0	3.5	0.0	0.0	0.0	3.5	3.5	0	0	Yes	0.11	6.21	0
812832	WD	UG	6	0	3	0	0.0	1.8	0.0	0.2	0.0	2.0	2.0	0	0	Yes	-0.07	2.93	0

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
812831	WD	UG	0	0	0	0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0	0	Yes	0.14	3.44	0
812733	ND	UG	1174	0	4	1	0.0	4.9	0.1	0.7	0.1	5.6	5.7	0	0	Yes	0.60	7.10	0
812732	ND	UG	784	0	3	0	0.0	5.1	0.0	0.9	0.0	6.0	6.0	0	0	Yes	-0.25	8.25	0
812731	ND	UG	1249	0	0	0	0.0	3.6	0.0	0.0	0.0	3.6	3.6	0	0	Yes	-0.50	6.00	0
812363	WD	UG	2519	0	31	0	0.0	4.9	0.0	14.2	0.0	19.1	19.1	7	4492	Yes	0.37	3.07	2
812362	WD	Hybrid	638	1	24	0	0.9	5.6	0.6	8.8	1.5	14.4	15.9	8	2108	Yes	0.64	12.24	2
812361	WD	UG	5095	0	64	0	1.4	7.9	0.0	29.1	1.4	37.0	38.4	150	24011	Yes	-1.58	20.12	12
812166	WD	UG	32	0	8	0	0.0	2.3	0.0	1.5	0.0	3.8	3.8	0	0	Yes	1.80	9.40	0
812165	WD	UG	736	0	19	0	0.0	4.6	0.0	8.7	0.0	13.3	13.3	1	267	Yes	0.03	7.73	1
812164	WD	Hybrid	397	1	32	1	1.5	3.8	0.4	7.2	1.9	11.0	12.9	503	20321	Yes	-0.44	13.96	8
812163	WD	UG	78	0	6	0	0.0	3.9	0.0	0.1	0.0	4.0	4.0	0	0	Yes	-0.37	8.33	0
812162	WD	Hybrid	1015	3	38	1	5.1	5.0	0.4	5.6	5.5	10.6	16.1	1044	9695	Yes	0.20	12.80	11
812161	WD	Hybrid	745	3	37	2	2.6	2.9	2.3	6.3	4.9	9.2	14.1	4327	250609	Yes	-0.93	9.27	22
812063	SD	Hybrid	759	47	3	5	12.4	0.2	31.6	2.4	44.0	2.6	46.6	2183	127433	Yes	-0.44	4.76	124
812062	SD	Hybrid	2014	0	43	0	1.7	3.4	0.0	26.0	1.7	29.4	31.1	1280	104600	Yes	-0.15	12.25	16
812061	SD	UG	3693	0	30	0	0.0	7.3	0.0	20.8	0.0	28.1	28.1	3743	15349	Yes	0.77	14.87	8
811942	CD	UG	0	0	0	0	0.0	1.8	0.0	0.0	0.0	1.8	1.8	0	0	Yes	0.83	0.83	0
811940	CD	UG	1500	0	8	0	0.0	3.0	0.0	0.8	0.0	3.8	3.8	0	0	Yes	5.03	5.03	0
811939	CD	UG	0	0	0	0	0.0	2.0	0.0	0.0	0.0	2.0	2.0	0	0	Yes	0.32	3.22	0
811938	CD	UG	1659	0	9	2	0.0	3.2	0.2	1.8	0.2	5.0	5.2	140	18189	Yes	0.81	4.91	5
811937	CD	UG	1157	0	5	1	0.0	2.4	0.1	1.2	0.1	3.6	3.7	1	290	Yes	1.28	5.68	1
811936	CD	UG	604	0	4	0	0.0	1.7	0.0	0.4	0.0	2.1	2.1	0	0	Yes	-0.35	2.45	0
811935	CD	UG	1657	0	12	1	0.0	2.8	0.0	2.1	0.0	4.9	4.9	198	11325	Yes	0.08	4.98	3
811934	CD	UG	1066	0	4	0	0.0	3.9	0.0	0.8	0.0	4.7	4.7	0	0	Yes	0.35	5.15	0
811933	CD	UG	1477	0	5	2	0.0	4.0	0.1	1.4	0.1	5.4	5.5	1937	91761	Yes	-4.18	3.12	4
811932	CD	UG	1575	0	8	0	0.0	2.2	0.0	1.7	0.0	3.9	3.9	2	142	Yes	0.92	6.52	2
811931	CD	UG	1068	0	10	0	0.0	3.5	0.0	1.6	0.0	5.1	5.1	2	1776	Yes	-0.09	6.71	2
811833	ND	Hybrid	1167	6	26	2	1.9	2.3	2.6	8.4	4.5	10.7	15.2	160	26107	Yes	0.18	8.88	23
811832	ND	Hybrid	990	21	16	0	3.6	0.3	4.7	1.7	8.3	2.0	10.3	1312	58625	Yes	-0.26	5.94	46
811831	ND	Hybrid	1624	0	27	0	1.6	2.8	0.0	7.8	1.6	10.6	12.2	152	54888	Yes	-0.21	6.29	12
811636	CD	Hybrid	512	0	11	4	0.0	2.8	0.4	4.2	0.4	7.0	7.4	40	9960	Yes	0.33	3.53	1
811635	CD	UG	1	0	0	0	0.0	0.3	0.0	0.0	0.0	0.3	0.3	0	0	Yes	0.26	2.36	0
811634	CD	UG	0	0	0	0	0.0	0.3	0.0	0.0	0.0	0.3	0.3	0	0	Yes	-0.30	3.70	0
811633	CD	UG	69	1	4	0	0.0	3.3	0.0	0.7	0.0	4.0	4.0	0	0	Yes	0.32	2.22	0
811632	CD	UG	30	0	10	0	0.0	6.5	0.0	1.6	0.0	8.1	8.1	29	29	Yes	-0.23	3.57	1
811631	CD	UG	33	0	10	0	0.0	5.7	0.0	2.4	0.0	8.1	8.1	0	0	Yes	0.03	3.43	0
811564	WD	Hybrid	1381	7	69	4	5.1	1.5	1.6	5.7	6.7	7.2	13.9	157	30153	Yes	0.20	12.60	22
811563	WD	Hybrid	1295	4	44	1	3.9	2.2	1.1	6.5	5.0	8.7	13.7	2746	130736	Yes	0.77	11.47	19
811562	WD	Hybrid	3391	1	59	0	4.4	6.4	0.2	23.5	4.6	29.9	34.5	2259	76595	Yes	3.47	19.87	15
811561	WD	Hybrid	1063	5	56	2	6.2	0.4	1.0	3.9	7.2	4.3	11.5	2338	104753	Yes	0.73	10.93	19
811437	WD	UG	18	0	5	0	0.0	3.7	0.0	0.8	0.0	4.5	4.5	0	0	Yes	0.13	3.83	0

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
811436	WD	UG	4	0	3	0	0.0	4.2	0.0	0.2	0.0	4.4	4.4	0	0	Yes	-0.38	1.92	0
811435	WD	Hybrid	231	1	21	0	1.4	0.6	0.0	3.1	1.4	3.7	5.1	14	3817	Yes	-0.71	5.79	4
811434	WD	UG	49	0	8	1	0.0	4.2	0.0	0.7	0.0	4.9	4.9	0	0	Yes	-0.49	5.91	0
811433	WD	Hybrid	63	1	13	0	0.8	0.9	0.0	3.2	0.8	4.1	4.9	67	3217	Yes	-0.16	6.74	4
811432	WD	Hybrid	93	5	16	0	4.4	1.0	0.3	1.8	4.7	2.8	7.5	958	54229	Yes	-0.80	7.90	2
811431	WD	Hybrid	49	0	8	1	0.7	4.4	0.1	1.9	0.8	6.3	7.1	20	816	Yes	-0.07	3.33	2
811364	SD	Hybrid	1921	24	13	5	4.9	1.6	9.0	4.8	13.9	6.4	20.3	489	67252	Yes	-0.29	5.31	28
811363	SD	Hybrid	527	25	8	4	15.6	79.3	35.0	22.3	50.6	101.6	152.2	199	35552	Yes	0.27	3.27	39
811362	SD	Hybrid	1877	17	15	5	5.6	0.3	7.5	9.2	13.1	9.5	22.6	1202	96077	Yes	-1.89	8.41	29
811361	SD	Hybrid	1383	88	22	9	18.9	0.7	47.7	9.9	66.6	10.6	77.2	4051	111758	Yes	-0.30	9.00	91
811265	SD	Hybrid	1483	15	28	3	3.4	0.3	7.3	12.5	10.7	12.8	23.5	1293	137309	Yes	8.42	8.42	43
811264	SD	Hybrid	2226	2	36	1	2.5	1.6	0.6	20.3	3.1	21.9	25.0	2993	163218	Yes	-0.01	10.79	33
811263	SD	Hybrid	1703	4	34	1	2.8	0.4	1.1	10.1	3.9	10.5	14.4	5188	33674	Yes	-1.96	7.14	11
811262	SD	Hybrid	2723	4	39	1	3.3	2.0	1.0	23.3	4.3	25.3	29.6	9427	147906	Yes	-0.38	12.12	32
811261	SD	Hybrid	1978	27	40	1	6.1	2.4	10.4	21.9	16.5	24.3	40.8	3142	77887	Yes	-0.10	9.70	45
811164	WD	UG	1	0	2	0	0.0	2.3	0.0	0.0	0.0	2.3	2.3	1995	3990	Yes	0.03	1.53	1
811163	WD	Hybrid	1916	0	46	0	5.7	8.3	0.0	19.0	5.7	27.3	33.0	2008	94857	Yes	-1.14	10.76	7
811162	WD	Hybrid	3199	8	52	3	4.7	3.3	3.8	25.2	8.5	28.5	37.0	3387	43657	Yes	3.42	13.92	16
811161	WD	Hybrid	2549	8	42	1	2.8	6.0	4.2	27.9	7.0	33.9	40.9	2254	130967	Yes	-0.36	15.84	45
811066	WD	Hybrid	3911	0	59	2	2.5	0.4	0.6	18.4	3.1	18.8	21.9	1010	106374	Yes	-1.17	12.43	17
811065	WD	Hybrid	2696	0	47	0	2.0	0.8	0.0	7.9	2.0	8.7	10.7	1136	34443	Yes	-1.70	6.70	6
811064	WD	Hybrid	2967	1	64	0	3.3	1.1	0.0	17.4	3.3	18.5	21.8	370	59601	Yes	-0.04	13.46	16
811063	WD	Hybrid	3880	0	54	0	2.9	0.4	0.0	15.2	2.9	15.6	18.5	1926	120343	Yes	-2.17	11.83	18
811062	WD	Hybrid	2384	1	61	1	2.5	1.4	0.2	7.9	2.7	9.3	12.0	2486	80656	Yes	-0.91	9.39	10
811061	WD	Hybrid	3978	0	47	0	2.0	0.8	0.3	15.9	2.3	16.7	19.0	439	56558	Yes	-0.54	13.76	16
810937	CD	UG	1	0	0	0	0.0	1.5	0.0	0.0	0.0	1.5	1.5	0	0	Yes	-0.08	1.22	0
810936	CD	UG	3	0	0	0	0.0	1.5	0.0	0.0	0.0	1.5	1.5	0	0	Yes	-0.07	2.83	0
810935	CD	Hybrid	2282	14	11	4	2.2	0.3	2.4	0.6	4.6	0.9	5.5	4566	98898	Yes	-0.07	6.23	32
810934	CD	Hybrid	2415	20	11	5	2.9	0.2	3.0	0.3	5.9	0.5	6.4	953	159883	Yes	-0.30	6.40	36
810933	CD	Hybrid	3534	16	18	3	3.3	0.3	1.4	0.6	4.7	0.9	5.6	507	80730	Yes	-0.28	7.22	28
810932	CD	Hybrid	2647	6	15	4	3.0	0.1	1.6	0.5	4.6	0.6	5.2	1485	123101	Yes	-0.54	5.76	27
810931	CD	OH	2329	25	3	2	3.2	0.0	6.1	0.2	9.3	0.2	9.5	523	86609	Yes	-0.08	8.82	55
810834	WD	Hybrid	769	14	7	3	2.2	1.5	3.3	1.0	5.5	2.5	8.0	109	20847	Yes	0.14	3.94	18
810833	WD	Hybrid	3351	1	52	0	1.5	1.7	0.2	7.6	1.7	9.3	11.0	3623	115265	Yes	-0.89	7.81	9
810832	WD	UG	825	0	11	0	0.0	1.3	0.0	4.0	0.0	5.3	5.3	2	520	Yes	-0.36	3.94	1
810831	WD	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.10	2.80	0
810732	SD	Hybrid	14	5	8	1	1.9	0.6	1.4	2.1	3.3	2.7	6.0	13	1404	Yes	-1.07	2.83	2
810731	SD	Hybrid	15	0	9	1	1.2	0.3	0.3	0.8	1.5	1.1	2.6	0	0	Yes	0.60	2.40	0
810663	SD	Hybrid	2340	0	28	3	1.9	2.9	1.2	25.4	3.1	28.3	31.4	564	87198	Yes	0.81	13.01	55
810662	SD	Hybrid	2765	8	39	1	3.8	2.7	1.7	24.6	5.5	27.3	32.8	4953	153706	Yes	5.86	14.66	63
810661	SD	Hybrid	2178	0	33	0	1.8	4.7	0.0	18.0	1.8	22.7	24.5	306	61068	Yes	-1.69	10.01	22

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
810569	SD	UG	3420	0	24	0	0.0	5.7	0.0	9.3	0.0	15.0	15.0	9	5341	Yes	0.00	0.00	2
810568	SD	UG	13	0	6	0	0.0	2.4	0.0	4.3	0.0	6.7	6.7	0	0	Yes	0.26	3.16	0
810567	SD	UG	1273	0	12	0	0.0	3.2	0.0	7.8	0.0	11.0	11.0	0	0	Yes	0.18	4.08	0
810566	SD	Hybrid	68	2	4	1	3.5	0.7	3.6	0.8	7.1	1.5	8.6	251	39010	Yes	-0.06	3.64	11
810565	SD	UG	3388	0	33	0	1.0	6.7	0.0	21.7	1.0	28.4	29.4	545	68500	Yes	-0.06	16.84	13
810564	SD	Hybrid	2997	0	32	0	2.0	4.1	0.0	18.6	2.0	22.7	24.7	97	22329	Yes	-0.69	10.81	6
810563	SD	UG	2349	1	28	0	0.0	7.1	0.2	16.5	0.2	23.6	23.8	112	31039	Yes	-0.31	11.99	9
810562	SD	Hybrid	3524	1	34	0	3.2	5.8	0.8	24.8	4.0	30.6	34.6	205	31247	Yes	-0.36	14.24	19
810561	SD	Hybrid	3053	2	40	0	1.8	6.1	0.1	26.5	1.9	32.6	34.5	4486	296737	Yes	-0.45	13.55	11
810434	WD	Hybrid	2370	27	3	4	3.8	0.9	9.3	0.3	13.1	1.2	14.3	1785	154426	Yes	-0.33	10.07	52
810433	WD	Hybrid	1394	17	7	2	1.7	0.3	4.8	0.3	6.5	0.6	7.1	1629	134229	Yes	-0.16	5.04	20
810432	WD	Hybrid	1329	9	12	1	2.9	0.3	2.4	0.4	5.3	0.7	6.0	1633	112892	Yes	-0.15	3.85	21
810431	WD	Hybrid	194	0	6	0	0.3	1.6	0.0	0.6	0.3	2.2	2.5	17	459	Yes	-0.19	5.91	1
810366	SD	Hybrid	1006	21	32	6	32.6	2.2	19.3	23.8	51.9	26.0	77.9	2078	363482	Yes	0.03	11.63	25
810365	SD	Hybrid	2681	0	39	1	1.4	7.5	0.8	29.7	2.2	37.2	39.4	2853	121160	Yes	-0.68	14.82	17
810364	SD	Hybrid	2066	0	40	0	1.5	2.9	0.0	21.9	1.5	24.8	26.3	3125	48622	Yes	0.70	12.80	16
810363	SD	Hybrid	2512	0	65	2	2.8	3.9	0.9	27.8	3.7	31.7	35.4	416	79380	Yes	-0.81	14.99	23
810362	SD	UG	2754	0	24	0	0.5	4.2	0.0	26.2	0.5	30.4	30.9	3264	166758	Yes	-0.06	12.24	27
810361	SD	Hybrid	2048	0	27	0	2.5	2.5	0.0	20.9	2.5	23.4	25.9	2740	86033	Yes	2.28	14.28	11
810267	WD	UG	19	0	7	0	0.0	4.1	0.0	0.6	0.0	4.7	4.7	0	0	Yes	-1.40	6.70	0
810266	WD	Hybrid	1477	9	42	5	3.9	2.0	3.7	12.0	7.6	14.0	21.6	2171	67189	Yes	-1.11	10.09	36
810265	WD	Hybrid	3657	5	47	6	3.2	0.8	3.5	7.2	6.7	8.0	14.7	7862	177485	Yes	-1.43	11.57	39
810264	WD	Hybrid	2196	5	41	4	3.7	1.4	3.4	13.5	7.1	14.9	22.0	7565	316643	Yes	-1.24	12.56	47
810263	WD	Hybrid	4078	3	53	4	3.1	0.4	2.2	12.1	5.3	12.5	17.8	1058	166407	Yes	-0.39	13.51	32
810262	WD	UG	1564	0	16	0	0.0	4.7	0.0	4.4	0.0	9.1	9.1	0	0	Yes	0.93	13.23	0
810261	WD	Hybrid	74	0	34	0	1.0	3.8	0.0	6.0	1.0	9.8	10.8	3	1112	Yes	0.21	4.81	3
810165	WD	Hybrid	157	6	20	0	7.5	0.9	0.7	1.7	8.2	2.6	10.8	89	23129	Yes	-0.13	10.87	9
810164	WD	Hybrid	1582	0	49	0	2.4	2.7	0.0	14.1	2.4	16.8	19.2	1654	15993	Yes	-0.16	12.64	11
810163	WD	Hybrid	1597	0	36	0	2.4	2.0	0.0	8.3	2.4	10.3	12.7	185	11914	Yes	-0.07	8.63	11
810162	WD	Hybrid	4311	1	37	0	3.1	3.9	0.2	25.5	3.3	29.4	32.7	213	54915	Yes	-0.24	15.76	12
810161	WD	Hybrid	3674	0	49	0	1.7	2.2	0.0	24.6	1.7	26.8	28.5	3855	215111	Yes	-0.34	16.26	12
810064	SD	Hybrid	939	87	5	6	11.6	0.8	37.0	2.0	48.6	2.8	51.4	1504	178751	Yes	0.27	6.97	113
810063	SD	Hybrid	447	48	10	4	7.7	0.7	14.7	1.8	22.4	2.5	24.9	985	105007	Yes	-0.32	2.88	60
810062	SD	OH	931	69	0	3	11.7	1.3	41.7	0.6	53.4	1.9	55.3	3554	121356	Yes	-0.73	7.17	152
810061	SD	Hybrid	1370	60	17	0	13.5	1.0	37.6	6.0	51.1	7.0	58.1	4981	196467	Yes	-0.28	7.22	140
809939	CD	UG	1536	0	11	1	0.0	2.7	0.0	0.9	0.0	3.6	3.6	0	0	Yes	1.16	7.06	0
809938	CD	UG	840	0	5	0	0.0	2.0	0.0	0.6	0.0	2.6	2.6	0	0	Yes	1.53	4.83	0
809937	CD	UG	453	0	6	0	0.0	1.7	0.0	0.3	0.0	2.0	2.0	4	312	Yes	-0.95	5.95	1
809936	CD	Hybrid	1849	21	15	4	2.6	0.2	4.0	0.6	6.6	0.8	7.4	1282	93211	Yes	-1.91	7.89	44
809935	CD	Hybrid	1344	5	7	0	0.7	1.9	0.4	0.7	1.1	2.6	3.7	41	5391	Yes	1.32	6.32	5
809934	CD	UG	492	0	5	0	0.0	1.9	0.0	0.7	0.0	2.6	2.6	0	0	Yes	0.32	2.92	0

Feeder Specific Data and Attached Laterals

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
809933	CD	UG	931	0	9	0	0.0	3.7	0.0	0.3	0.0	4.0	4.0	0	0	Yes	-0.19	4.91	0
809932	CD	UG	718	0	7	1	0.0	3.1	0.0	1.2	0.0	4.3	4.3	9	999	Yes	1.67	6.97	1
809931	CD	UG	1889	0	15	0	0.0	2.4	0.0	0.9	0.0	3.3	3.3	0	0	Yes	-0.11	6.99	0
809841	ND	UG	2314	0	8	0	0.0	1.9	0.0	3.5	0.0	5.4	5.4	1	144	Yes	-0.67	7.23	1
809840	ND	UG	1206	0	4	0	0.0	2.7	0.0	1.4	0.0	4.1	4.1	83	20252	Yes	-1.15	2.35	1
809839	ND	UG	820	0	3	0	0.0	1.6	0.0	0.4	0.0	2.0	2.0	0	0	Yes	-0.32	4.38	0
809838	ND	UG	1401	0	8	0	0.0	1.2	0.0	1.0	0.0	2.2	2.2	3	528	Yes	-0.01	3.89	3
809837	ND	Hybrid	1637	1	27	0	1.9	1.9	0.0	3.5	1.9	5.4	7.3	1645	173507	Yes	-1.57	5.23	4
809836	ND	UG	545	0	2	0	0.0	3.5	0.0	1.6	0.0	5.1	5.1	559	8483	Yes	1.05	3.95	3
809835	ND	UG	1704	0	7	0	0.0	1.6	0.0	3.6	0.0	5.2	5.2	0	0	Yes	-0.06	4.74	0
809834	ND	Hybrid	1329	7	17	1	0.8	1.4	2.3	1.3	3.1	2.7	5.8	158	45947	Yes	-0.10	7.20	12
809833	ND	Hybrid	1774	2	22	0	1.0	0.9	0.0	4.2	1.0	5.1	6.1	1791	46799	Yes	-0.23	6.87	2
809832	ND	UG	731	0	3	0	0.0	2.1	0.0	2.3	0.0	4.4	4.4	0	0	Yes	-0.20	1.91	0
809831	ND	UG	827	0	6	0	0.0	2.6	0.0	1.3	0.0	3.9	3.9	1	194	Yes	0.44	6.64	1
809767	WD	Hybrid	2540	0	25	0	1.3	2.2	0.0	19.1	1.3	21.3	22.6	162	32097	Yes	0.22	12.22	13
809766	WD	Hybrid	3389	0	37	0	1.9	2.9	0.0	21.1	1.9	24.0	25.9	7065	292555	Yes	0.01	13.01	26
809765	WD	Hybrid	2808	5	67	7	4.9	1.6	2.7	27.5	7.6	29.1	36.7	4065	254532	Yes	0.16	16.26	25
809764	WD	Hybrid	1814	3	57	0	7.9	9.3	0.5	11.6	8.4	20.9	29.3	2963	140496	Yes	-2.05	14.85	18
809763	WD	Hybrid	2064	1	43	15	5.4	0.5	4.1	18.1	9.5	18.6	28.1	7987	339349	Yes	-0.87	12.53	37
809762	WD	Hybrid	2762	3	32	1	3.5	1.4	2.6	17.6	6.1	19.0	25.1	4849	305511	Yes	0.34	12.94	60
809761	WD	Hybrid	1085	10	26	1	3.8	0.3	2.4	10.1	6.2	10.4	16.6	3569	124759	Yes	-0.01	7.69	42
809670	SD	Hybrid	3202	2	48	0	1.8	3.4	0.2	25.5	2.0	28.9	30.9	292	79157	Yes	-0.21	14.09	17
809669	SD	Hybrid	1852	2	37	1	1.3	3.0	0.7	11.4	2.0	14.4	16.4	88	26923	Yes	-0.08	8.92	2
809668	SD	UG	1843	0	34	0	0.6	7.3	0.0	17.3	0.6	24.6	25.2	2160	66603	Yes	-0.29	8.71	18
809667	SD	Hybrid	1076	2	43	3	2.4	2.0	3.1	4.4	5.5	6.4	11.9	2647	75095	Yes	-0.19	5.01	14
809666	SD	Hybrid	1075	4	31	1	4.1	1.9	0.7	13.3	4.8	15.2	20.0	3102	185483	Yes	-0.27	6.23	31
809665	SD	Hybrid	3007	0	39	5	2.1	2.4	1.2	20.0	3.3	22.4	25.7	729	141925	Yes	-0.26	15.84	53
809664	SD	Hybrid	3370	2	67	1	4.7	4.9	1.2	29.3	5.9	34.2	40.1	5043	257026	Yes	0.02	16.53	36
809663	SD	Hybrid	1832	0	40	1	1.3	1.8	0.7	13.6	2.0	15.4	17.4	1654	180438	Yes	-0.16	8.94	38
809662	SD	Hybrid	2977	1	69	0	5.2	3.0	0.2	24.9	5.4	27.9	33.3	9014	538733	Yes	0.63	13.33	28
809661	SD	Hybrid	2442	1	40	1	2.4	2.7	0.2	15.2	2.6	17.9	20.5	1941	97404	Yes	0.34	10.14	17
809536	CD	UG	1	0	2	0	0.0	2.4	0.0	0.0	0.0	2.4	2.4	0	0	Yes	1.25	2.05	0
809535	CD	UG	11	0	4	0	0.0	2.3	0.0	1.0	0.0	3.3	3.3	18	7754	Yes	0.52	1.42	2
809534	CD	UG	28	0	3	1	0.1	3.2	0.1	0.9	0.2	4.1	4.3	0	0	Yes	-0.07	2.23	0
809533	CD	Hybrid	339	3	8	0	4.0	4.4	0.5	3.3	4.5	7.7	12.2	345	5022	Yes	0.22	4.12	3
809532	CD	UG	0	0	0	0	0.0	0.1	0.0	0.1	0.0	0.2	0.2	0	0	Yes	1.68	5.08	0
809531	CD	UG	1	0	0	0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0	0	Yes	-2.59	2.51	0
809436	SD	UG	0	0	0	0	0.0	0.8	0.0	0.0	0.0	0.8	0.8	0	0	Yes	1.74	3.54	0
809435	SD	UG	1	0	0	0	0.0	0.9	0.0	0.0	0.0	0.9	0.9	0	0	Yes	1.09	3.09	0
809434	SD	Hybrid	3621	0	39	0	2.4	3.5	0.1	22.6	2.5	26.1	28.6	323	65366	Yes	-0.34	10.96	13
809433	SD	Hybrid	2325	8	27	0	3.6	2.5	3.0	12.8	6.6	15.3	21.9	5079	179291	Yes	-0.01	9.69	23

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
809432	SD	UG	1	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	-1.10	2.00	0
809431	SD	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	-0.57	4.33	0
809343	CD	Hybrid	3417	5	6	4	1.0	1.5	1.0	0.4	2.0	1.9	3.9	235	61185	Yes	-0.56	5.64	11
809342	CD	UG	685	0	8	4	0.0	4.9	0.3	2.2	0.3	7.1	7.4	13	3572	Yes	0.57	7.47	2
809341	CD	Hybrid	1233	4	3	1	0.4	3.0	0.5	0.4	0.9	3.4	4.3	1977	251968	Yes	-4.16	1.94	11
809340	CD	UG	709	1	7	2	0.0	2.4	0.1	1.0	0.1	3.4	3.5	0	0	Yes	-1.53	5.17	0
809339	CD	Hybrid	1477	11	12	5	2.3	0.2	1.6	2.2	3.9	2.4	6.3	4844	219654	Yes	0.23	6.53	43
809338	CD	UG	92	1	5	0	0.0	2.6	0.1	1.5	0.1	4.1	4.2	0	0	Yes	-0.54	5.76	0
809337	CD	UG	286	0	4	0	0.0	2.6	0.0	0.7	0.0	3.3	3.3	74	15192	Yes	-0.34	2.96	4
809336	CD	UG	1121	0	7	0	0.0	1.7	0.0	0.6	0.0	2.3	2.3	0	0	Yes	0.11	4.21	0
809335	CD	Hybrid	274	2	5	1	0.2	1.5	0.2	0.3	0.4	1.8	2.2	0	0	Yes	1.31	2.21	0
809334	CD	UG	1263	0	7	0	0.0	2.6	0.0	1.1	0.0	3.7	3.7	0	0	Yes	-0.10	3.50	0
809333	CD	UG	897	0	6	0	0.0	1.9	0.0	1.9	0.0	3.8	3.8	0	0	Yes	0.03	2.93	0
809332	CD	UG	563	0	11	0	0.0	4.2	0.0	0.7	0.0	4.9	4.9	2	1002	Yes	-2.21	5.09	2
809331	CD	UG	1108	0	17	1	0.0	2.6	0.0	0.9	0.0	3.5	3.5	3	384	Yes	0.10	4.40	2
809235	SD	Hybrid	947	12	40	0	4.0	0.5	1.3	3.8	5.3	4.3	9.6	149	16681	Yes	-0.10	7.80	13
809234	SD	Hybrid	1392	15	13	1	1.6	1.9	3.4	14.0	5.0	15.9	20.9	959	100336	Yes	-0.23	6.47	57
809233	SD	Hybrid	139	1	10	0	0.8	0.7	0.0	2.8	0.8	3.5	4.3	42	6926	Yes	0.76	3.16	5
809232	SD	Hybrid	602	3	18	0	2.2	0.7	0.3	2.9	2.5	3.6	6.1	1792	106987	Yes	-0.93	8.17	7
809231	SD	Hybrid	1486	3	19	2	1.4	1.0	2.0	8.1	3.4	9.1	12.5	30	5416	Yes	0.46	4.46	18
809137	CD	Hybrid	1649	24	13	2	2.9	1.0	5.0	0.5	7.9	1.5	9.4	369	60366	Yes	-1.56	7.04	41
809136	CD	Hybrid	2984	14	23	8	1.8	0.6	2.2	2.6	4.0	3.2	7.2	3188	128342	Yes	-0.09	8.51	21
809135	CD	Hybrid	1555	22	10	4	2.9	1.2	4.7	0.8	7.6	2.0	9.6	1578	145695	Yes	-0.75	6.65	49
809134	CD	Hybrid	871	17	6	1	2.3	0.2	2.7	0.4	5.0	0.6	5.6	107	23711	Yes	-0.03	5.27	23
809133	CD	Hybrid	1260	22	5	1	2.5	0.2	4.5	0.2	7.0	0.4	7.4	336	69147	Yes	-0.17	6.03	46
809132	CD	Hybrid	365	2	5	2	0.6	0.1	0.8	0.2	1.4	0.3	1.7	39	12356	Yes	0.03	1.33	5
809131	CD	Hybrid	492	13	9	2	1.5	0.2	1.3	0.3	2.8	0.5	3.3	135	19698	Yes	-0.12	4.08	14
809039	ND	UG	1114	0	5	0	0.0	3.2	0.0	0.9	0.0	4.1	4.1	8	1656	Yes	-0.21	4.29	1
809038	ND	UG	2138	0	4	0	0.0	3.0	0.0	2.3	0.0	5.3	5.3	1	253	Yes	-0.15	7.75	1
809037	ND	UG	1873	0	12	0	0.0	4.6	0.0	3.0	0.0	7.6	7.6	146	4457	Yes	-0.49	4.61	3
809036	ND	Hybrid	1205	4	18	2	1.1	0.9	0.5	3.8	1.6	4.7	6.3	27	5508	Yes	-0.05	3.85	5
809035	ND	UG	299	0	12	0	0.0	6.4	0.0	2.5	0.0	8.9	8.9	293	16559	Yes	2.24	6.94	4
809034	ND	UG	774	0	5	0	0.0	2.7	0.0	1.2	0.0	3.9	3.9	1153	14269	Yes	1.96	4.56	5
809033	ND	UG	616	0	9	0	0.0	3.5	0.0	3.5	0.0	7.0	7.0	477	30833	Yes	2.32	2.42	6
809032	ND	UG	1197	0	13	0	0.0	4.2	0.0	4.3	0.0	8.5	8.5	2366	57170	Yes	-0.02	4.48	6
809031	ND	Hybrid	865	5	21	0	0.9	1.2	0.5	5.9	1.4	7.1	8.5	798	7911	Yes	-0.15	8.45	16
808936	WD	Hybrid	1487	12	25	6	3.3	0.4	3.3	2.5	6.6	2.9	9.5	1691	68723	Yes	-0.12	7.88	31
808935	WD	Hybrid	1158	18	36	3	3.8	0.5	3.1	6.8	6.9	7.3	14.2	193	45680	Yes	-0.12	6.68	31
808934	WD	Hybrid	1571	9	24	3	2.3	0.7	5.6	2.8	7.9	3.5	11.4	1751	73466	Yes	-0.31	6.79	33
808933	WD	Hybrid	1315	24	6	3	3.1	0.1	6.9	0.8	10.0	0.9	10.9	1431	188937	Yes	-0.30	6.70	42
808932	WD	OH	1297	22	0	2	1.8	0.2	7.2	0.1	9.0	0.3	9.3	1294	190704	Yes	0.06	6.06	41

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
808931	WD	Hybrid	1463	33	9	3	4.8	0.4	8.6	1.1	13.4	1.5	14.9	423	80282	Yes	-0.53	8.77	55
808837	SD	Hybrid	484	37	7	2	3.0	1.6	6.4	3.6	9.4	5.2	14.6	586	68044	Yes	-0.47	6.23	34
808836	SD	UG	236	0	5	0	0.0	4.9	0.0	0.5	0.0	5.4	5.4	0	0	Yes	-0.53	4.27	0
808835	SD	UG	454	0	5	0	0.0	5.7	0.0	0.4	0.0	6.1	6.1	450	62100	Yes	-0.16	3.24	1
808834	SD	Hybrid	758	20	15	4	3.6	0.6	7.3	2.6	10.9	3.2	14.1	238	61077	Yes	-3.52	5.88	61
808833	SD	Hybrid	587	47	12	7	4.2	0.3	10.5	2.0	14.7	2.3	17.0	542	146247	Yes	2.89	7.19	82
808832	SD	Hybrid	612	18	9	9	3.2	0.6	8.6	10.5	11.8	11.1	22.9	777	134930	Yes	-0.83	7.57	68
808831	SD	Hybrid	936	30	11	9	5.0	0.4	10.0	6.3	15.0	6.7	21.7	1906	125445	Yes	-1.24	8.56	55
808734	ND	Hybrid	2192	22	14	2	3.2	0.7	6.3	1.8	9.5	2.5	12.0	484	69074	Yes	-0.25	5.75	46
808733	ND	Hybrid	1227	19	12	3	2.6	0.1	5.4	0.4	8.0	0.5	8.5	378	65164	Yes	-0.15	4.85	29
808732	ND	Hybrid	876	6	8	1	1.6	1.0	1.2	0.9	2.8	1.9	4.7	760	33636	Yes	0.13	4.43	8
808731	ND	Hybrid	2213	15	24	1	2.8	1.4	3.4	2.7	6.2	4.1	10.3	5765	115338	Yes	-0.44	8.46	48
808632	ND	Hybrid	2076	33	15	3	5.9	0.3	13.3	2.6	19.2	2.9	22.1	825	164334	Yes	-0.12	9.08	153
808631	ND	Hybrid	1356	3	17	4	2.5	0.8	2.9	4.0	5.4	4.8	10.2	2945	125719	Yes	-0.56	3.94	22
808538	WD	Hybrid	62	0	3	0	0.6	1.2	0.0	0.5	0.6	1.7	2.3	1	307	Yes	-0.03	1.07	1
808537	WD	Hybrid	1846	21	9	6	4.2	0.2	6.8	0.7	11.0	0.9	11.9	1918	315623	Yes	0.03	9.33	68
808536	WD	UG	2	0	0	0	0.0	0.5	0.0	0.0	0.0	0.5	0.5	0	0	No	-2.07	2.63	0
808535	WD	UG	1	0	0	0	0.0	4.5	0.0	0.0	0.0	4.5	4.5	0	0	Yes	-0.03	4.87	0
808534	WD	Hybrid	707	13	16	0	2.1	0.6	1.4	1.7	3.5	2.3	5.8	1094	174420	Yes	-0.31	6.19	35
808533	WD	Hybrid	1110	8	13	5	3.7	0.4	5.2	0.7	8.9	1.1	10.0	3211	332875	Yes	-0.11	6.39	43
808532	WD	Hybrid	2548	19	20	8	3.3	0.2	3.7	1.3	7.0	1.5	8.5	342	81907	Yes	-0.54	6.96	30
808531	WD	Hybrid	1467	22	3	2	2.2	0.2	9.1	0.4	11.3	0.6	11.9	868	157279	Yes	-0.21	7.89	68
808439	ND	UG	2	0	0	0	0.0	2.6	0.0	0.0	0.0	2.6	2.6	0	0	Yes	-0.32	2.28	0
808438	ND	UG	6	0	0	0	0.0	3.1	0.0	0.0	0.0	3.1	3.1	1	1	Yes	-0.06	5.94	1
808437	ND	Hybrid	2303	15	24	4	2.9	2.1	8.3	12.3	11.2	14.4	25.6	1129	354764	Yes	0.07	9.97	94
808436	ND	UG	824	0	19	0	0.0	4.1	0.0	10.8	0.0	14.9	14.9	295	82082	Yes	-0.06	4.54	19
808435	ND	Hybrid	1135	0	19	1	2.5	1.2	0.1	9.0	2.6	10.2	12.8	4439	146880	Yes	-0.29	6.01	37
808434	ND	Hybrid	1477	12	18	2	2.9	0.5	5.5	3.9	8.4	4.4	12.8	578	113535	Yes	-0.08	4.82	41
808433	ND	Hybrid	1733	14	13	3	4.3	0.6	6.0	10.2	10.3	10.8	21.1	2627	267196	Yes	0.03	7.23	62
808432	ND	Hybrid	1355	2	18	2	0.6	2.3	0.9	6.9	1.5	9.2	10.7	1415	70917	Yes	-0.11	2.89	11
808431	ND	Hybrid	1479	2	22	2	2.7	0.3	1.2	10.9	3.9	11.2	15.1	3025	193090	Yes	0.17	6.57	56
808337	SD	Hybrid	1824	10	33	3	3.4	0.8	3.1	14.9	6.5	15.7	22.2	1966	34980	Yes	-0.03	9.57	20
808336	SD	Hybrid	2158	22	31	7	4.4	1.4	8.8	12.4	13.2	13.8	27.0	2089	218929	Yes	-0.19	10.31	78
808335	SD	Hybrid	936	12	26	2	2.6	0.9	6.2	8.1	8.8	9.0	17.8	213	35234	Yes	-0.22	6.48	42
808334	SD	UG	2042	0	21	0	0.3	3.6	0.0	15.9	0.3	19.5	19.8	371	110481	Yes	-0.35	7.35	21
808333	SD	Hybrid	1046	4	40	4	3.1	1.1	2.1	14.9	5.2	16.0	21.2	202	39648	Yes	-0.27	7.73	34
808332	SD	Hybrid	1182	10	7	0	2.2	0.6	6.4	1.9	8.6	2.5	11.1	480	99990	Yes	0.73	5.13	51
808331	SD	Hybrid	1429	18	11	1	3.5	0.1	8.0	3.5	11.5	3.6	15.1	2298	229896	Yes	-0.30	7.40	64
808270	SD	Hybrid	3198	2	47	2	2.6	5.9	0.5	29.4	3.1	35.3	38.4	491	79284	Yes	-0.27	14.63	43
808269	SD	Hybrid	3427	0	32	0	1.0	2.5	0.0	15.7	1.0	18.2	19.2	196	37074	Yes	-2.30	11.10	13
808268	SD	UG	3023	0	30	0	1.0	4.0	0.0	27.0	1.0	31.0	32.0	6445	313437	Yes	-0.23	13.37	27

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
808267	SD	Hybrid	2660	0	27	0	2.0	3.4	0.0	17.9	2.0	21.3	23.3	10424	289197	Yes	0.31	15.11	23
808266	SD	Hybrid	2473	1	30	0	2.8	2.9	0.9	20.0	3.7	22.9	26.6	2897	348222	Yes	-2.91	13.29	20
808265	SD	UG	2514	0	20	0	0.0	5.7	0.0	19.2	0.0	24.9	24.9	237	55345	Yes	-0.24	9.86	26
808264	SD	Hybrid	3764	0	43	0	1.5	2.5	0.0	21.5	1.5	24.0	25.5	628	144462	Yes	1.96	14.56	21
808263	SD	Hybrid	3460	0	39	0	2.3	2.0	0.1	18.6	2.4	20.6	23.0	2167	72928	Yes	-1.41	11.49	18
808262	SD	UG	1965	0	20	0	0.0	3.9	0.0	16.7	0.0	20.6	20.6	109	19813	Yes	-0.78	8.82	14
808261	SD	UG	3528	0	28	0	0.6	3.8	0.0	23.4	0.6	27.2	27.8	3311	192868	Yes	0.32	12.12	31
808170	WD	UG	1	0	0	0	0.0	1.5	0.0	0.0	0.0	1.5	1.5	1	558	Yes	-0.14	2.46	1
808169	WD	Hybrid	570	2	40	2	3.2	1.7	0.6	6.9	3.8	8.6	12.4	604	7392	Yes	-0.57	15.23	9
808168	WD	Hybrid	661	0	59	0	3.7	1.8	0.0	10.3	3.7	12.1	15.8	125	45200	Yes	-0.07	15.63	11
808167	WD	Hybrid	2329	2	36	6	2.2	2.1	1.7	7.8	3.9	9.9	13.8	155	50492	Yes	0.70	11.10	8
808166	WD	Hybrid	735	0	54	4	2.4	2.9	1.7	5.8	4.1	8.7	12.8	683	58435	Yes	-0.39	11.81	18
808165	WD	Hybrid	924	0	47	0	2.3	2.6	0.0	12.1	2.3	14.7	17.0	950	83954	Yes	-0.55	17.25	12
808164	WD	Hybrid	567	5	38	4	3.8	0.4	1.2	3.0	5.0	3.4	8.4	256	28124	Yes	-1.74	8.46	10
808163	WD	Hybrid	668	0	27	0	1.3	3.5	0.1	3.9	1.4	7.4	8.8	700	40010	Yes	-0.20	10.10	3
808162	WD	Hybrid	504	0	39	1	2.5	1.3	0.3	5.9	2.8	7.2	10.0	1394	47172	Yes	-0.64	12.36	13
808161	WD	Hybrid	1937	0	34	0	1.0	4.0	0.0	5.8	1.0	9.8	10.8	97	10581	Yes	0.51	10.21	6
808069	WD	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	#N/A	#N/A	#N/A	0
808068	WD	UG	18	0	9	0	0.0	0.9	0.0	0.1	0.0	1.0	1.0	0	0	Yes	-0.08	3.52	0
808067	WD	Hybrid	2944	1	26	0	1.1	3.0	0.5	14.0	1.6	17.0	18.6	6500	160030	Yes	-1.00	8.70	14
808066	WD	Hybrid	1299	6	21	4	2.6	1.0	2.6	3.6	5.2	4.6	9.8	99	27190	Yes	0.00	5.50	24
808065	WD	Hybrid	1210	2	28	2	1.9	0.8	0.9	4.6	2.8	5.4	8.2	1515	96128	Yes	0.00	4.90	8
808064	WD	Hybrid	1148	1	23	3	1.5	2.2	0.8	6.8	2.3	9.0	11.3	49	16185	Yes	-0.74	8.36	16
808063	WD	UG	4789	0	29	0	0.0	4.1	0.0	17.4	0.0	21.5	21.5	224	85495	Yes	-0.34	12.66	6
808062	WD	Hybrid	3092	0	20	0	1.7	3.8	0.0	11.3	1.7	15.1	16.8	282	44741	Yes	-0.90	7.80	10
808061	WD	Hybrid	3330	0	56	1	2.3	3.1	0.0	17.0	2.3	20.1	22.4	4887	39541	Yes	-0.32	13.48	16
807963	ND	UG	1511	0	30	0	1.0	4.2	0.0	20.1	1.0	24.3	25.3	346	58720	Yes	-0.27	12.03	19
807962	ND	Hybrid	2472	0	58	2	1.7	5.1	0.3	18.5	2.0	23.6	25.6	1845	120431	Yes	-0.15	13.95	23
807961	ND	UG	1609	1	31	0	0.7	3.1	0.2	18.6	0.9	21.7	22.6	87	31361	Yes	-1.52	12.08	15
807937	ND	Hybrid	648	2	24	1	2.2	1.0	0.2	1.2	2.4	2.2	4.6	1276	51627	Yes	0.18	3.28	4
807936	ND	Hybrid	1184	13	14	3	3.2	0.4	6.5	3.4	9.7	3.8	13.5	1162	115605	Yes	-0.15	6.45	31
807935	ND	Hybrid	1602	0	28	0	1.0	2.2	0.0	8.6	1.0	10.8	11.8	150	46009	Yes	-1.12	6.48	17
807934	ND	UG	446	0	15	0	0.0	2.9	0.0	7.6	0.0	10.5	10.5	448	24560	Yes	-0.21	5.69	3
807933	ND	UG	1759	0	17	0	0.0	2.4	0.0	10.1	0.0	12.5	12.5	25	5097	Yes	-0.11	5.99	8
807932	ND	Hybrid	1685	3	20	1	0.9	1.9	1.0	13.6	1.9	15.5	17.4	2021	178272	Yes	0.20	6.90	21
807931	ND	Hybrid	1165	2	28	1	2.1	2.6	0.9	12.9	3.0	15.5	18.5	1409	116798	Yes	0.47	10.07	16
807839	ND	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	No	0.00	0.00	0
807838	ND	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	No	0.00	0.00	0
807837	ND	Hybrid	111	2	5	0	0.6	0.4	0.9	0.1	1.5	0.5	2.0	22	2081	Yes	0.18	2.98	7
807836	ND	Hybrid	231	1	23	1	1.8	0.4	0.3	0.9	2.1	1.3	3.4	2	479	Yes	0.30	7.10	2
807835	ND	Hybrid	1317	20	20	5	2.6	1.7	5.9	3.1	8.5	4.8	13.3	1072	126656	Yes	0.12	6.92	42

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
807834	ND	Hybrid	81	1	13	2	1.4	0.1	0.5	0.8	1.9	0.9	2.8	107	6445	Yes	0.31	5.11	6
807833	ND	Hybrid	1763	6	43	2	3.8	0.1	2.1	4.3	5.9	4.4	10.3	2643	115948	Yes	-0.07	7.13	31
807832	ND	Hybrid	1700	14	22	2	3.4	0.8	3.8	3.3	7.2	4.1	11.3	3054	222712	Yes	-0.42	7.38	48
807831	ND	OH	1548	28	5	1	3.0	0.1	11.4	0.5	14.4	0.6	15.0	2854	213835	Yes	0.08	7.78	105
807736	CD	Hybrid	1489	0	19	0	0.7	3.5	0.0	1.3	0.7	4.8	5.5	1	120	Yes	0.23	3.83	1
807735	CD	Hybrid	1225	8	7	1	1.4	0.3	1.0	0.5	2.4	0.8	3.2	44	4738	Yes	-0.10	3.00	13
807734	CD	Hybrid	1494	24	4	3	3.0	0.5	6.4	0.8	9.4	1.3	10.7	488	100393	Yes	1.30	8.60	62
807733	CD	Hybrid	1236	10	9	3	2.7	1.0	1.8	0.5	4.5	1.5	6.0	1815	182080	Yes	0.32	4.02	23
807732	CD	Hybrid	1722	7	10	5	1.3	1.2	3.1	0.7	4.4	1.9	6.3	3060	96906	Yes	-0.34	4.86	28
807731	CD	OH	1327	38	2	1	2.4	0.3	9.5	0.2	11.9	0.5	12.4	8379	216240	Yes	0.66	6.96	121
807636	SD	UG	1	0	1	0	0.0	3.2	0.0	0.0	0.0	3.2	3.2	0	0	Yes	0.61	0.61	0
807635	SD	Hybrid	1969	1	37	1	2.2	1.6	0.6	15.2	2.8	16.8	19.6	235	48222	Yes	0.22	8.22	17
807634	SD	Hybrid	1097	12	25	9	2.3	1.3	7.2	8.9	9.5	10.2	19.7	166	40780	Yes	0.18	7.98	36
807633	SD	Hybrid	1184	2	44	1	3.3	2.5	0.4	11.2	3.7	13.7	17.4	671	70121	Yes	-0.76	6.84	32
807632	SD	Hybrid	1231	5	25	3	3.3	0.2	3.1	14.4	6.4	14.6	21.0	1127	240185	Yes	-0.57	7.03	45
807631	SD	Hybrid	1060	4	25	0	2.8	0.3	0.4	7.7	3.2	8.0	11.2	1489	75503	Yes	-0.44	3.96	27
807542	SD	Hybrid	2227	0	25	1	0.9	1.8	0.2	4.6	1.1	6.4	7.5	230	36196	Yes	-0.42	3.98	10
807541	SD	UG	799	0	7	0	0.0	4.2	0.0	1.0	0.0	5.2	5.2	694	95955	Yes	-0.03	3.77	2
807540	SD	UG	388	0	6	0	0.0	3.3	0.0	0.4	0.0	3.7	3.7	0	0	Yes	1.34	2.54	0
807539	SD	UG	2	0	0	0	0.0	0.3	0.0	0.0	0.0	0.3	0.3	0	0	Yes	-1.69	1.01	0
807538	SD	UG	0	0	0	0	0.0	2.5	0.0	0.0	0.0	2.5	2.5	0	0	Yes	-0.36	0.94	0
807537	SD	UG	605	0	4	0	0.0	3.4	0.0	0.4	0.0	3.8	3.8	0	0	Yes	-0.78	3.12	0
807536	SD	Hybrid	734	22	12	3	2.7	0.3	5.4	1.1	8.1	1.4	9.5	162	42850	Yes	-0.13	6.27	33
807535	SD	Hybrid	691	2	10	2	0.5	2.1	0.6	1.5	1.1	3.6	4.7	83	7684	Yes	0.04	5.94	3
807534	SD	UG	740	0	5	0	0.0	2.7	0.0	1.3	0.0	4.0	4.0	0	0	Yes	-0.12	4.18	0
807533	SD	UG	81	0	7	0	0.0	1.6	0.0	0.1	0.0	1.7	1.7	0	0	Yes	-0.01	3.89	0
807532	SD	Hybrid	1740	0	20	1	0.3	2.9	0.1	3.3	0.4	6.2	6.6	0	0	Yes	-0.06	3.54	0
807531	SD	Hybrid	594	22	16	4	3.8	0.1	4.6	2.5	8.4	2.6	11.0	740	100937	Yes	-0.32	3.58	28
807438	SD	UG	2	0	3	0	0.0	0.7	0.0	0.0	0.0	0.7	0.7	0	0	Yes	-0.04	2.76	0
807437	SD	UG	0	0	2	0	0.0	0.3	0.0	0.0	0.0	0.3	0.3	0	0	Yes	0.05	0.85	0
807436	SD	Hybrid	459	31	18	3	5.3	0.7	7.3	2.6	12.6	3.3	15.9	59	11237	Yes	-0.27	5.43	36
807435	SD	Hybrid	1928	5	22	0	2.5	1.8	0.9	13.4	3.4	15.2	18.6	2307	130925	Yes	0.05	7.75	32
807434	SD	Hybrid	1111	12	20	2	2.6	0.2	5.8	2.8	8.4	3.0	11.4	287	39297	Yes	-0.32	7.28	21
807433	SD	Hybrid	1434	13	16	0	3.6	0.4	7.7	1.4	11.3	1.8	13.1	927	78361	Yes	-0.33	6.87	46
807432	SD	Hybrid	1454	19	14	0	3.3	0.4	9.2	3.1	12.5	3.5	16.0	729	115355	Yes	-0.28	8.02	62
807431	SD	Hybrid	530	0	23	0	1.3	0.2	0.0	2.9	1.3	3.1	4.4	140	24696	Yes	0.00	4.50	10
807340	SD	Hybrid	2240	0	34	2	1.1	1.6	1.6	18.1	2.7	19.7	22.4	339	53217	Yes	-0.43	10.17	27
807339	SD	Hybrid	1528	4	19	1	2.5	2.1	2.3	10.2	4.8	12.3	17.1	460	79114	Yes	-0.25	7.25	36
807338	SD	Hybrid	1518	3	34	0	2.1	1.4	0.2	11.3	2.3	12.7	15.0	114	17211	Yes	-0.14	5.96	14
807337	SD	Hybrid	1568	14	26	8	3.1	0.4	6.9	11.2	10.0	11.6	21.6	903	55986	Yes	-2.27	5.93	36
807336	SD	Hybrid	2052	4	20	2	2.1	0.8	1.0	4.7	3.1	5.5	8.6	132	13983	Yes	-0.03	5.27	18

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
807335	SD	Hybrid	817	4	11	1	1.4	0.4	1.7	5.5	3.1	5.9	9.0	366	54536	Yes	0.02	4.72	17
807334	SD	UG	53	0	10	0	0.0	3.4	0.0	1.0	0.0	4.4	4.4	20	3842	Yes	0.32	3.52	2
807333	SD	Hybrid	1982	14	22	2	3.2	1.6	6.3	5.3	9.5	6.9	16.4	411	57448	Yes	-0.28	8.12	50
807332	SD	Hybrid	299	1	11	0	0.7	2.0	0.0	0.6	0.7	2.6	3.3	337	22192	Yes	-0.10	2.90	3
807331	SD	Hybrid	2289	20	22	1	3.1	2.6	5.0	10.9	8.1	13.5	21.6	2789	167495	Yes	-0.42	7.48	37
807237	WD	Hybrid	142	0	2	0	0.6	0.7	0.0	0.1	0.6	0.8	1.4	167	12927	Yes	-0.03	0.97	2
807236	WD	UG	40	0	14	0	0.0	3.3	0.0	2.4	0.0	5.7	5.7	0	0	Yes	0.09	5.49	0
807235	WD	Hybrid	479	0	7	0	0.4	1.4	0.0	0.6	0.4	2.0	2.4	0	0	Yes	1.22	3.22	0
807234	WD	Hybrid	1914	12	28	2	2.4	0.2	5.2	2.5	7.6	2.7	10.3	2293	141286	Yes	-0.27	6.93	36
807233	WD	UG	6	0	8	0	0.0	2.1	0.0	0.8	0.0	2.9	2.9	0	0	Yes	0.00	1.50	0
807232	WD	Hybrid	149	1	20	0	1.4	1.8	0.1	1.6	1.5	3.4	4.9	5	1414	Yes	-0.05	4.95	4
807231	WD	Hybrid	1124	20	8	2	1.8	1.4	5.1	1.2	6.9	2.6	9.5	910	132859	Yes	0.79	9.09	42
807166	WD	Hybrid	59	5	13	1	4.7	1.9	0.7	1.5	5.4	3.4	8.8	10	3542	Yes	0.26	13.66	5
807165	WD	Hybrid	3230	6	50	2	3.5	2.5	1.0	18.6	4.5	21.1	25.6	6083	210890	Yes	-2.41	14.09	38
807164	WD	Hybrid	1693	0	60	4	8.0	0.9	0.4	10.4	8.4	11.3	19.7	7179	308133	Yes	-2.07	11.33	39
807163	WD	Hybrid	486	1	45	5	4.4	4.4	1.4	11.8	5.8	16.2	22.0	437	28823	Yes	0.00	11.50	17
807162	WD	Hybrid	572	5	42	1	4.2	0.8	0.7	7.2	4.9	8.0	12.9	1327	45578	Yes	-0.61	10.29	17
807161	WD	Hybrid	681	23	41	1	18.1	2.1	13.4	8.3	31.5	10.4	41.9	4579	212183	Yes	-3.53	9.27	49
807039	WD	Hybrid	1491	0	30	0	2.1	0.2	0.0	3.2	2.1	3.4	5.5	2040	54092	Yes	-0.92	4.38	9
807038	WD	UG	1360	0	14	1	0.4	1.5	0.0	7.5	0.4	9.0	9.4	1508	29936	Yes	0.09	4.89	9
807037	WD	Hybrid	1089	2	32	1	2.3	1.5	0.2	2.6	2.5	4.1	6.6	34	7470	Yes	-0.09	5.91	5
807036	WD	Hybrid	1481	8	29	3	4.7	0.4	2.1	3.1	6.8	3.5	10.3	464	84342	Yes	-0.40	8.40	30
807035	WD	Hybrid	1999	12	22	3	3.2	0.9	4.6	4.7	7.8	5.6	13.4	883	153360	Yes	0.21	10.41	46
807034	WD	Hybrid	902	0	28	0	0.7	3.3	0.0	3.6	0.7	6.9	7.6	223	38983	Yes	1.01	7.41	10
807033	WD	Hybrid	1365	5	17	3	1.8	0.9	1.8	2.7	3.6	3.6	7.2	453	37005	Yes	-0.99	4.71	18
807032	WD	Hybrid	1143	3	45	0	2.1	0.9	0.1	6.2	2.2	7.1	9.3	75	9497	Yes	-0.75	8.65	8
807031	WD	Hybrid	2173	1	26	0	0.8	1.8	0.1	4.5	0.9	6.3	7.2	180	78247	Yes	-1.61	6.29	7
806937	WD	Hybrid	1158	19	17	0	4.9	0.5	5.8	1.0	10.7	1.5	12.2	4937	181914	Yes	-0.09	7.01	55
806936	WD	Hybrid	1924	15	28	2	3.5	1.0	4.9	6.2	8.4	7.2	15.6	1568	208337	Yes	-0.46	9.44	54
806935	WD	Hybrid	1321	40	4	3	3.9	0.8	10.7	0.8	14.6	1.6	16.2	453	94212	Yes	-0.41	10.19	61
806934	WD	Hybrid	2108	17	34	3	2.6	0.2	3.6	2.8	6.2	3.0	9.2	2504	99448	Yes	-0.13	6.37	23
806933	WD	Hybrid	987	11	20	5	3.0	0.4	2.1	1.7	5.1	2.1	7.2	1152	63336	Yes	-0.36	6.64	20
806932	WD	OH	1199	18	4	4	3.8	0.1	9.1	0.4	12.9	0.5	13.4	478	91690	Yes	-0.08	7.22	52
806931	WD	Hybrid	975	20	3	0	2.3	0.3	5.2	0.2	7.5	0.5	8.0	169	34560	Yes	-0.17	7.13	37
806843	WD	UG	24	0	6	0	0.0	2.7	0.0	1.0	0.0	3.7	3.7	0	0	Yes	0.05	2.45	0
806842	WD	Hybrid	637	8	29	0	4.0	1.0	1.3	4.9	5.3	5.9	11.2	1925	61581	Yes	-0.15	7.45	20
806841	WD	Hybrid	1213	10	2	0	1.6	0.5	9.2	0.1	10.8	0.6	11.4	1855	160067	Yes	-0.30	6.90	43
806840	WD	Hybrid	23	0	10	0	0.6	1.7	0.0	0.4	0.6	2.1	2.7	25	1511	Yes	0.02	7.12	2
806839	WD	Hybrid	280	3	21	0	2.5	1.1	0.2	4.3	2.7	5.4	8.1	557	41472	Yes	0.40	4.50	9
806838	WD	Hybrid	576	2	18	0	2.2	0.9	0.3	2.2	2.5	3.1	5.6	619	6162	Yes	-0.10	4.80	10
806837	WD	Hybrid	900	22	6	2	2.7	0.6	5.7	0.4	8.4	1.0	9.4	2164	189147	Yes	-0.06	6.44	58

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
806836	WD	Hybrid	1139	3	28	0	1.2	0.2	0.3	2.5	1.5	2.7	4.2	124	25257	Yes	-0.13	5.27	16
806835	WD	Hybrid	1490	23	6	2	3.1	0.6	8.3	1.3	11.4	1.9	13.3	1184	135139	Yes	-0.09	8.61	63
806834	WD	Hybrid	770	1	20	3	1.4	3.6	0.8	7.5	2.2	11.1	13.3	746	68566	Yes	0.38	4.88	7
806833	WD	Hybrid	1642	23	12	3	3.7	0.0	6.9	0.9	10.6	0.9	11.5	978	97319	Yes	-0.14	8.66	70
806832	WD	Hybrid	2644	15	26	2	2.9	0.1	4.1	5.1	7.0	5.2	12.2	1162	122421	Yes	0.08	8.98	47
806831	WD	Hybrid	1132	13	18	0	3.2	0.3	5.4	0.5	8.6	0.8	9.4	3061	268641	Yes	-0.35	7.55	41
806739	ND	Hybrid	690	12	5	0	1.2	1.1	4.5	2.1	5.7	3.2	8.9	199	29343	Yes	-0.29	4.11	28
806738	ND	Hybrid	2595	0	32	2	1.0	1.9	0.1	8.6	1.1	10.5	11.6	3143	184910	Yes	-0.08	6.42	17
806737	ND	Hybrid	950	15	15	3	2.8	0.4	4.1	1.1	6.9	1.5	8.4	1115	107120	Yes	0.03	5.23	46
806736	ND	Hybrid	2313	1	26	0	2.0	2.7	0.3	9.0	2.3	11.7	14.0	3829	315095	Yes	-0.13	6.27	13
806735	ND	Hybrid	2688	2	29	0	1.9	1.4	0.2	6.8	2.1	8.2	10.3	4323	96833	Yes	-0.22	5.88	11
806734	ND	Hybrid	1113	0	9	0	0.4	1.2	0.0	4.0	0.4	5.2	5.6	388	21497	Yes	-0.07	3.23	3
806733	ND	Hybrid	1849	8	29	0	2.0	2.1	3.7	8.5	5.7	10.6	16.3	6069	257730	Yes	-0.11	8.59	34
806732	ND	Hybrid	2281	7	21	0	1.5	1.2	0.7	8.5	2.2	9.7	11.9	65	9332	Yes	-0.70	7.00	17
806731	ND	Hybrid	1362	5	10	0	1.9	0.4	1.8	3.2	3.7	3.6	7.3	1173	86920	Yes	0.45	5.35	25
806535	SD	Hybrid	737	31	4	1	3.1	0.6	13.8	0.9	16.9	1.5	18.4	399	115227	Yes	-0.27	7.03	64
806534	SD	Hybrid	860	17	12	2	1.9	0.2	6.7	2.7	8.6	2.9	11.5	227	40330	Yes	0.00	6.10	28
806533	SD	Hybrid	715	24	5	2	3.6	0.4	7.7	0.3	11.3	0.7	12.0	967	67893	Yes	-0.04	6.36	58
806532	SD	Hybrid	812	17	12	5	3.7	0.1	7.1	3.0	10.8	3.1	13.9	693	74699	Yes	0.03	4.63	45
806531	SD	OH	802	29	7	1	2.9	0.1	11.6	0.3	14.5	0.4	14.9	428	86427	Yes	-0.26	5.94	60
806436	SD	Hybrid	198	26	2	4	4.2	1.7	8.0	0.8	12.2	2.5	14.7	35	11721	Yes	-0.09	1.41	25
806435	SD	Hybrid	1640	7	18	0	2.4	3.0	1.9	10.5	4.3	13.5	17.8	1559	40223	Yes	0.44	6.34	10
806434	SD	Hybrid	1546	24	36	2	4.1	1.1	3.3	22.4	7.4	23.5	30.9	1577	13696	Yes	-1.21	8.29	22
806433	SD	Hybrid	1300	60	12	5	8.0	0.2	22.0	2.1	30.0	2.3	32.3	1144	72541	Yes	-0.05	4.45	52
806432	SD	Hybrid	528	46	7	2	6.8	0.1	14.0	1.7	20.8	1.8	22.6	175	41044	Yes	0.36	3.96	42
806431	SD	Hybrid	877	18	21	3	4.9	0.1	4.6	12.8	9.5	12.9	22.4	73	10996	Yes	-4.73	5.27	18
806340	ND	Hybrid	1438	13	13	5	2.9	0.4	3.0	1.7	5.9	2.1	8.0	1426	68895	Yes	0.51	6.21	29
806339	ND	Hybrid	951	13	25	6	3.6	0.3	3.0	1.6	6.6	1.9	8.5	286	48008	Yes	0.35	9.45	39
806338	ND	Hybrid	542	8	6	1	1.9	0.8	2.3	0.2	4.2	1.0	5.2	1248	55516	Yes	0.36	4.36	39
806337	ND	Hybrid	1235	21	16	2	3.0	1.1	4.6	0.8	7.6	1.9	9.5	348	57765	Yes	0.23	6.83	37
806336	ND	Hybrid	2354	19	10	2	2.5	2.8	4.6	2.6	7.1	5.4	12.5	3114	89917	Yes	0.76	9.56	38
806335	ND	UG	0	0	0	0	0.0	0.5	0.0	0.0	0.0	0.5	0.5	0	0	Yes	0.02	0.02	0
806334	ND	OH	1659	31	3	2	3.7	0.2	10.1	0.2	13.8	0.4	14.2	4997	416517	Yes	0.02	6.42	137
806333	ND	Hybrid	2527	24	11	3	3.2	0.1	8.7	1.5	11.9	1.6	13.5	3309	225774	Yes	-0.43	8.17	70
806332	ND	Hybrid	250	4	5	1	1.0	0.4	0.4	0.3	1.4	0.7	2.1	504	12345	Yes	0.05	3.05	6
806331	ND	Hybrid	2190	14	18	4	3.4	0.2	4.5	1.3	7.9	1.5	9.4	388	56247	Yes	-0.06	6.64	39
806237	CD	Hybrid	469	5	5	0	3.2	0.7	0.2	1.7	3.4	2.4	5.8	753	103139	Yes	-0.08	4.42	23
806236	CD	UG	1747	0	9	1	0.0	2.1	0.0	1.3	0.0	3.4	3.4	0	0	Yes	-0.12	6.08	0
806235	CD	UG	1210	0	11	0	0.0	2.9	0.0	0.5	0.0	3.4	3.4	0	0	Yes	-0.50	4.00	0
806234	CD	UG	1342	0	10	0	0.0	2.1	0.0	0.4	0.0	2.5	2.5	0	0	Yes	-1.19	4.11	0
806233	CD	UG	1288	0	9	0	0.0	2.0	0.0	0.9	0.0	2.9	2.9	0	0	Yes	-0.19	4.11	0

Feeder Specific Data and Attached Laterals

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
806232	CD	UG	325	0	4	0	0.0	2.1	0.0	0.6	0.0	2.7	2.7	0	0	Yes	0.43	4.53	0
806231	CD	UG	1117	0	6	0	0.0	2.3	0.0	0.5	0.0	2.8	2.8	0	0	Yes	-0.27	4.13	0
806143	CD	Hybrid	653	7	11	2	1.5	0.9	0.6	0.6	2.1	1.5	3.6	38	9178	Yes	-0.01	7.09	9
806142	CD	Hybrid	43	1	8	1	0.1	2.1	0.2	0.3	0.3	2.4	2.7	85	2558	Yes	0.06	3.86	5
806141	CD	Hybrid	1323	3	12	1	1.6	0.3	2.0	0.3	3.6	0.6	4.2	1309	75028	Yes	-0.29	7.01	16
806140	CD	Hybrid	1906	9	18	6	2.6	0.3	2.3	1.8	4.9	2.1	7.0	2393	64228	Yes	-0.97	5.83	35
806139	CD	UG	237	0	7	0	0.1	1.9	0.0	0.2	0.1	2.1	2.2	0	0	Yes	-0.15	4.25	0
806138	CD	Hybrid	1683	16	8	4	2.9	1.5	4.1	0.2	7.0	1.7	8.7	153	30086	Yes	0.04	6.64	29
806137	CD	Hybrid	1493	7	14	2	2.8	0.5	1.2	0.4	4.0	0.9	4.9	663	43390	Yes	-0.16	6.04	10
806136	CD	Hybrid	2156	6	24	4	1.5	1.3	1.7	1.3	3.2	2.6	5.8	285	41629	Yes	-0.78	6.92	16
806135	CD	Hybrid	268	3	12	1	0.8	1.3	0.2	0.4	1.0	1.7	2.7	21	1587	Yes	0.18	5.58	5
806134	CD	Hybrid	2390	26	17	5	3.2	0.6	3.8	1.1	7.0	1.7	8.7	2085	158145	Yes	0.43	7.83	39
806133	CD	Hybrid	588	0	6	2	0.5	2.2	0.1	0.5	0.6	2.7	3.3	27	3247	Yes	-0.86	2.74	5
806132	CD	Hybrid	615	0	13	3	0.2	2.8	0.3	1.3	0.5	4.1	4.6	323	11453	Yes	-0.04	7.66	6
806131	CD	UG	56	0	5	0	0.0	2.0	0.0	0.2	0.0	2.2	2.2	38	14197	Yes	0.00	6.00	2
806039	ND	Hybrid	540	13	4	3	1.4	2.9	4.0	0.4	5.4	3.3	8.7	630	132872	Yes	-0.87	3.33	39
806038	ND	Hybrid	1601	32	14	2	3.9	0.9	11.4	1.0	15.3	1.9	17.2	2253	333530	Yes	-0.44	8.46	134
806037	ND	Hybrid	1029	15	8	2	2.4	0.2	7.4	0.7	9.8	0.9	10.7	896	167955	Yes	-0.21	5.99	75
806036	ND	Hybrid	146	0	22	0	1.8	0.7	0.0	1.2	1.8	1.9	3.7	1	5	Yes	-0.31	5.39	1
806035	ND	Hybrid	197	5	26	1	1.5	0.3	0.7	1.4	2.2	1.7	3.9	16	4563	Yes	-0.02	6.08	5
806034	ND	Hybrid	1740	17	4	4	4.3	1.5	11.5	0.4	15.8	1.9	17.7	6845	232935	Yes	0.59	7.89	100
806033	ND	Hybrid	1154	17	5	1	4.2	0.8	5.4	1.3	9.6	2.1	11.7	1005	193165	Yes	-0.34	4.26	72
806032	ND	Hybrid	424	5	20	0	2.3	0.1	1.6	1.1	3.9	1.2	5.1	140	27990	Yes	-0.56	5.34	26
806031	ND	Hybrid	1347	25	12	5	2.8	2.1	8.2	4.0	11.0	6.1	17.1	511	106520	Yes	-0.70	6.30	70
805939	ND	UG	3043	0	33	0	0.4	4.7	0.0	12.4	0.4	17.1	17.5	16	7617	Yes	-0.21	8.79	4
805938	ND	Hybrid	2066	8	23	0	1.1	2.8	3.9	14.7	5.0	17.5	22.5	2257	106826	Yes	-1.04	9.36	53
805937	ND	UG	2128	0	22	0	0.1	2.6	0.0	12.0	0.1	14.6	14.7	2	631	Yes	0.80	8.30	2
805936	ND	Hybrid	1500	3	21	0	1.3	1.4	1.8	9.4	3.1	10.8	13.9	267	65186	Yes	-0.17	6.43	19
805935	ND	UG	3749	0	28	0	0.2	2.9	0.0	10.3	0.2	13.2	13.4	223	50652	Yes	0.16	3.26	6
805934	ND	Hybrid	1410	0	15	0	1.7	3.0	0.0	14.9	1.7	17.9	19.6	212	50991	Yes	0.38	8.68	19
805933	ND	Hybrid	1691	11	33	4	4.1	0.9	3.2	7.3	7.3	8.2	15.5	2102	177424	Yes	0.11	7.31	21
805932	ND	Hybrid	1577	1	28	0	1.1	1.7	0.3	16.4	1.4	18.1	19.5	111	27329	Yes	-0.40	8.30	19
805931	ND	Hybrid	2519	2	28	0	1.1	0.4	0.1	6.1	1.2	6.5	7.7	63	6444	Yes	-0.11	7.39	4
805836	SD	Hybrid	1285	13	12	2	3.3	0.4	4.9	8.9	8.2	9.3	17.5	228	39794	Yes	0.00	5.00	40
805835	SD	Hybrid	1660	22	9	2	3.1	0.5	9.2	4.8	12.3	5.3	17.6	737	178309	Yes	-0.60	7.70	71
805834	SD	Hybrid	1372	5	31	1	2.5	0.4	1.1	12.4	3.6	12.8	16.4	580	145447	Yes	-0.06	6.74	44
805833	SD	Hybrid	1340	14	23	3	2.3	0.0	4.2	11.3	6.5	11.3	17.8	326	61343	Yes	-0.06	7.84	42
805832	SD	Hybrid	394	3	12	0	1.8	0.5	1.2	2.7	3.0	3.2	6.2	492	23741	Yes	0.62	6.42	16
805831	SD	Hybrid	1232	7	27	0	3.5	0.1	3.8	6.6	7.3	6.7	14.0	161	25561	Yes	0.16	7.26	23
805740	SD	Hybrid	1041	27	14	7	4.6	0.6	9.1	3.3	13.7	3.9	17.6	1178	29394	Yes	-0.59	5.81	28
805739	SD	UG	1	0	0	0	0.0	0.5	0.0	0.0	0.0	0.5	0.5	1	356	Yes	0.54	2.64	1

Feeder Specific Data and Attached Laterals

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
805738	SD	Hybrid	1569	9	43	4	2.2	0.2	4.1	8.4	6.3	8.6	14.9	1123	44337	Yes	-0.14	8.46	30
805737	SD	Hybrid	1274	17	21	3	3.3	0.2	7.8	3.1	11.1	3.3	14.4	757	171733	Yes	-0.43	7.97	48
805736	SD	UG	0	0	0	0	0.0	0.8	0.0	0.0	0.0	0.8	0.8	0	0	Yes	1.61	3.51	0
805735	SD	Hybrid	1218	22	11	4	2.8	0.3	9.3	1.1	12.1	1.4	13.5	1405	155959	Yes	-0.45	8.35	51
805734	SD	UG	1	0	0	0	0.0	0.9	0.0	0.0	0.0	0.9	0.9	0	0	Yes	0.08	3.38	0
805733	SD	Hybrid	686	12	15	4	3.4	0.1	4.1	3.0	7.5	3.1	10.6	816	46821	Yes	-0.18	5.52	24
805732	SD	Hybrid	821	29	8	8	4.8	0.4	11.6	1.7	16.4	2.1	18.5	1107	78550	Yes	-0.52	5.78	54
805731	SD	Hybrid	1879	8	19	3	1.7	1.2	6.9	8.2	8.6	9.4	18.0	299	45639	Yes	-0.48	8.42	36
805636	SD	Hybrid	1809	19	7	1	2.8	0.5	12.5	3.9	15.3	4.4	19.7	3188	235677	Yes	0.34	8.64	60
805635	SD	Hybrid	1440	7	35	5	3.6	1.4	5.5	8.2	9.1	9.6	18.7	6650	197479	Yes	0.55	9.65	31
805634	SD	Hybrid	931	2	22	0	1.8	0.7	0.6	6.4	2.4	7.1	9.5	131	24442	Yes	0.02	4.92	12
805633	SD	Hybrid	1012	21	6	2	4.5	0.0	8.3	1.7	12.8	1.7	14.5	550	108914	Yes	0.40	7.00	48
805632	SD	Hybrid	1850	30	19	6	4.8	0.1	12.0	2.6	16.8	2.7	19.5	1673	161631	Yes	-0.10	10.10	65
805631	SD	Hybrid	1530	21	9	2	3.2	0.0	10.5	1.2	13.7	1.2	14.9	1230	184254	Yes	-0.14	7.76	66
805538	WD	OH	1665	27	1	5	5.2	0.1	6.5	0.2	11.7	0.3	12.0	3230	190648	Yes	-0.50	8.10	63
805537	WD	Hybrid	366	2	19	0	3.5	0.3	0.3	1.5	3.8	1.8	5.6	801	70171	Yes	0.08	6.48	9
805536	WD	Hybrid	165	1	48	0	2.8	0.7	0.0	2.5	2.8	3.2	6.0	113	30363	Yes	-0.50	6.30	12
805535	WD	Hybrid	882	13	8	1	3.5	0.5	4.5	1.0	8.0	1.5	9.5	404	90514	Yes	-0.41	6.79	42
805534	WD	Hybrid	40	0	12	0	1.1	0.1	0.0	2.6	1.1	2.7	3.8	13	933	Yes	-0.21	5.29	2
805533	WD	Hybrid	310	6	18	0	2.4	0.4	2.4	0.8	4.8	1.2	6.0	825	88761	Yes	0.13	4.63	25
805532	WD	Hybrid	1230	25	17	1	2.6	0.1	7.4	1.0	10.0	1.1	11.1	4325	218034	Yes	0.01	8.01	69
805531	WD	Hybrid	71	1	18	1	1.7	2.2	0.2	3.7	1.9	5.9	7.8	31	8769	Yes	-0.04	6.96	4
805441	WD	UG	0	0	0	0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0	0	No	0.01	0.91	0
805440	WD	UG	1	0	0	0	0.0	0.4	0.0	0.0	0.0	0.4	0.4	0	0	No	0.03	2.03	0
805439	WD	Hybrid	161	2	8	2	1.0	0.2	0.5	0.8	1.5	1.0	2.5	38	8698	Yes	-0.02	3.38	4
805438	WD	Hybrid	773	5	47	3	3.1	0.0	1.3	4.7	4.4	4.7	9.1	829	29792	Yes	0.39	8.19	14
805437	WD	UG	0	0	0	0	0.0	3.0	0.0	0.0	0.0	3.0	3.0	0	0	Yes	0.00	2.20	0
805436	WD	UG	1	0	0	0	0.0	0.4	0.0	0.0	0.0	0.4	0.4	0	0	Yes	0.09	2.49	0
805435	WD	Hybrid	181	3	18	1	1.3	0.1	0.4	0.7	1.7	0.8	2.5	568	16930	Yes	0.19	2.79	11
805434	WD	Hybrid	590	3	28	3	2.9	0.2	0.5	2.1	3.4	2.3	5.7	1269	45727	Yes	0.29	6.89	13
805433	WD	Hybrid	1926	35	12	3	5.4	1.1	12.6	2.1	18.0	3.2	21.2	453	94411	Yes	0.55	7.35	71
805432	WD	Hybrid	526	2	41	4	4.2	0.6	1.3	4.0	5.5	4.6	10.1	1117	73820	Yes	-0.60	7.80	13
805431	WD	Hybrid	533	4	32	1	2.5	0.4	0.9	2.5	3.4	2.9	6.3	55	10621	Yes	-0.07	6.23	9
805337	CD	UG	1031	0	7	0	0.0	3.7	0.0	3.3	0.0	7.0	7.0	47	3105	Yes	0.38	4.68	2
805336	CD	Hybrid	1289	0	9	0	0.5	3.8	0.0	1.0	0.5	4.8	5.3	500	25942	Yes	1.34	6.04	6
805335	CD	Hybrid	998	26	13	2	2.9	0.5	6.3	2.2	9.2	2.7	11.9	1341	126176	Yes	0.37	8.87	49
805334	CD	Hybrid	868	5	15	0	0.6	2.4	0.5	1.2	1.1	3.6	4.7	311	11127	Yes	-0.62	3.28	4
805333	CD	Hybrid	770	0	11	1	0.3	2.5	0.0	2.1	0.3	4.6	4.9	897	91134	Yes	-0.70	5.00	6
805332	CD	Hybrid	1564	3	34	2	2.7	1.5	3.1	4.4	5.8	5.9	11.7	1780	65985	Yes	0.10	8.90	34
805331	CD	Hybrid	1210	2	13	2	1.9	1.6	1.4	4.0	3.3	5.6	8.9	47	7282	Yes	-0.32	4.68	6
805240	CD	Hybrid	1295	3	8	0	0.8	2.5	0.8	1.1	1.6	3.6	5.2	49	13614	Yes	-0.63	5.47	10

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
805239	CD	UG	0	0	0	0	0.0	5.0	0.0	0.0	0.0	5.0	5.0	0	0	Yes	-1.27	2.13	0
805238	CD	UG	1	0	0	0	0.0	0.5	0.0	0.0	0.0	0.5	0.5	0	0	Yes	-0.30	3.00	0
805237	CD	Hybrid	860	9	13	1	0.9	2.4	1.3	2.5	2.2	4.9	7.1	1353	145690	Yes	-0.59	6.21	16
805236	CD	Hybrid	1613	18	20	4	2.9	0.9	3.7	1.8	6.6	2.7	9.3	205	33556	Yes	-0.50	8.50	41
805235	CD	Hybrid	934	17	18	2	2.5	2.6	1.7	1.2	4.2	3.8	8.0	140	35219	Yes	0.26	7.96	28
805234	CD	Hybrid	735	10	11	5	2.5	1.5	2.3	2.0	4.8	3.5	8.3	1038	116653	Yes	-0.20	6.20	32
805233	CD	Hybrid	1777	16	14	3	3.2	0.5	2.1	1.9	5.3	2.4	7.7	282	82254	Yes	0.05	5.65	26
805232	CD	Hybrid	1750	25	3	2	2.9	0.1	6.1	0.4	9.0	0.5	9.5	501	141432	Yes	-0.17	7.53	41
805231	CD	Hybrid	429	4	5	2	1.3	0.2	0.4	0.5	1.7	0.7	2.4	5	1793	Yes	-0.05	2.45	5
805140	CD	UG	1	0	0	0	0.0	1.4	0.0	0.0	0.0	1.4	1.4	0	0	Yes	-0.26	3.54	0
805139	CD	UG	0	0	0	0	0.0	1.4	0.0	0.0	0.0	1.4	1.4	0	0	Yes	-0.08	1.92	0
805138	CD	Hybrid	2539	11	14	2	2.3	0.7	1.9	0.4	4.2	1.1	5.3	111	5868	Yes	-0.28	5.72	8
805137	CD	Hybrid	1769	15	8	7	3.0	0.6	4.0	0.4	7.0	1.0	8.0	519	86913	Yes	0.02	6.32	39
805136	CD	Hybrid	2478	19	10	7	3.0	0.5	3.4	0.9	6.4	1.4	7.8	3642	206527	Yes	-0.02	8.18	38
805135	CD	Hybrid	1023	5	10	4	1.8	0.6	1.9	0.8	3.7	1.4	5.1	184	34376	Yes	-0.02	5.08	27
805134	CD	Hybrid	2314	18	17	5	2.9	0.2	4.8	1.1	7.7	1.3	9.0	3007	111229	Yes	-0.16	7.84	47
805133	CD	Hybrid	3024	16	14	4	3.3	0.2	2.0	0.5	5.3	0.7	6.0	137	14807	Yes	-0.11	7.29	15
805132	CD	Hybrid	1068	15	8	1	2.3	0.3	1.7	0.3	4.0	0.6	4.6	1900	126828	Yes	0.01	5.11	10
805131	CD	Hybrid	2608	25	12	8	2.9	0.3	7.3	1.3	10.2	1.6	11.8	360	47757	Yes	-0.24	10.06	43
805036	CD	Hybrid	1430	33	14	5	3.1	0.5	7.6	1.3	10.7	1.8	12.5	369	81331	Yes	-0.48	8.92	61
805035	CD	Hybrid	789	33	8	3	4.1	1.5	7.0	0.9	11.1	2.4	13.5	1810	114521	Yes	-2.11	7.89	44
805034	CD	UG	12	0	6	0	0.0	2.5	0.0	0.3	0.0	2.8	2.8	1	57	Yes	-0.09	4.61	1
805033	CD	Hybrid	1188	13	13	3	3.2	1.7	4.1	10.9	7.3	12.6	19.9	1445	61014	Yes	-0.16	7.74	35
805032	CD	UG	18	0	9	0	0.0	2.9	0.0	0.6	0.0	3.5	3.5	1	744	Yes	0.69	2.99	1
805031	CD	Hybrid	106	0	23	0	0.7	3.0	0.0	1.3	0.7	4.3	5.0	0	0	Yes	0.47	8.57	0
804938	ND	UG	80	0	3	0	0.0	3.2	0.0	1.9	0.0	5.1	5.1	1	37	Yes	-0.79	4.41	1
804937	ND	UG	1438	0	13	0	0.0	2.3	0.0	4.2	0.0	6.5	6.5	8	521	Yes	-1.53	3.87	3
804936	ND	UG	751	0	5	0	0.0	2.2	0.0	1.1	0.0	3.3	3.3	0	0	Yes	0.98	4.08	0
804935	ND	UG	138	0	3	0	0.0	3.1	0.0	0.3	0.0	3.4	3.4	27	1377	Yes	2.27	6.77	1
804934	ND	UG	1169	0	6	0	0.0	2.1	0.0	1.2	0.0	3.3	3.3	0	0	Yes	-0.13	3.47	0
804933	ND	UG	107	0	3	0	0.0	2.9	0.0	2.2	0.0	5.1	5.1	208	613	Yes	-0.84	4.16	3
804932	ND	Hybrid	861	17	12	6	2.4	0.7	6.3	2.0	8.7	2.7	11.4	238	51189	Yes	-0.31	5.89	51
804931	ND	Hybrid	1503	16	18	9	3.7	0.7	6.8	2.4	10.5	3.1	13.6	2212	122095	Yes	-0.12	9.08	55
804838	ND	Hybrid	968	1	10	0	0.2	1.3	0.3	4.2	0.5	5.5	6.0	49	14972	Yes	-0.06	2.74	4
804837	ND	Hybrid	591	9	2	0	1.3	4.4	5.2	0.1	6.5	4.5	11.0	2542	136016	Yes	0.03	2.83	54
804836	ND	Hybrid	2012	25	9	5	3.9	0.5	9.0	2.1	12.9	2.6	15.5	594	84866	Yes	0.24	6.64	61
804835	ND	Hybrid	1534	6	4	4	2.0	0.1	6.5	3.3	8.5	3.4	11.9	1219	180703	Yes	0.11	7.41	34
804834	ND	Hybrid	704	4	17	0	1.3	3.8	0.4	4.0	1.7	7.8	9.5	1443	31036	Yes	0.53	4.03	6
804833	ND	Hybrid	1137	7	10	2	2.0	0.7	4.6	3.3	6.6	4.0	10.6	297	53865	Yes	-0.35	5.25	36
804832	ND	Hybrid	1750	30	9	2	3.5	0.3	10.7	2.0	14.2	2.3	16.5	2394	191382	Yes	-0.53	8.77	56
804831	ND	Hybrid	2337	1	22	0	3.5	2.0	1.2	9.9	4.7	11.9	16.6	4254	361601	Yes	-0.40	6.90	25

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804736	ND	UG	1231	0	5	0	0.0	2.1	0.0	1.2	0.0	3.3	3.3	135	61650	Yes	0.85	5.35	1
804735	ND	Hybrid	1440	0	10	0	0.4	2.9	0.0	2.9	0.4	5.8	6.2	4	2786	Yes	-0.08	1.92	3
804734	ND	UG	1048	0	7	0	0.0	2.6	0.0	1.4	0.0	4.0	4.0	322	25155	Yes	0.86	6.86	6
804733	ND	Hybrid	1003	2	8	0	1.7	2.5	0.1	2.0	1.8	4.5	6.3	2	642	Yes	-0.31	3.89	2
804732	ND	UG	1077	0	6	0	0.0	1.5	0.0	1.5	0.0	3.0	3.0	134	14874	Yes	-0.37	3.43	1
804731	ND	UG	408	0	7	0	0.0	2.5	0.0	3.8	0.0	6.3	6.3	113	12036	Yes	-1.19	6.61	8
804636	WD	Hybrid	1004	11	14	3	2.4	0.3	5.6	0.6	8.0	0.9	8.9	2305	216931	Yes	0.13	8.23	57
804635	WD	Hybrid	113	5	8	0	1.5	0.2	0.5	0.2	2.0	0.4	2.4	264	28355	Yes	-0.30	2.10	16
804634	WD	OH	1307	30	6	2	2.8	0.1	6.8	0.4	9.6	0.5	10.1	5237	326401	Yes	0.15	8.05	67
804633	WD	Hybrid	133	7	14	1	2.5	0.1	0.7	0.5	3.2	0.6	3.8	156	11345	Yes	0.21	5.31	21
804632	WD	Hybrid	811	12	24	1	4.8	0.0	3.3	0.7	8.1	0.7	8.8	1413	170709	Yes	-0.15	8.55	54
804631	WD	Hybrid	336	5	21	2	3.3	0.0	1.3	0.8	4.6	0.8	5.4	151	23995	Yes	0.23	6.23	13
804539	WD	Hybrid	844	4	15	1	2.0	0.1	1.9	2.8	3.9	2.9	6.8	2808	70625	Yes	-0.04	4.46	29
804538	WD	Hybrid	1339	1	20	1	1.3	0.9	0.4	3.4	1.7	4.3	6.0	215	55131	Yes	-1.15	5.15	8
804537	WD	Hybrid	853	0	8	0	0.4	0.9	0.0	2.6	0.4	3.5	3.9	4	1150	Yes	-0.12	2.08	2
804536	WD	Hybrid	1606	3	11	5	1.8	1.3	3.1	3.0	4.9	4.3	9.2	2108	114049	Yes	-0.61	5.99	30
804535	WD	Hybrid	12	0	1	0	0.1	1.3	0.0	0.0	0.1	1.3	1.4	12	36	Yes	-0.13	4.37	1
804534	WD	Hybrid	1961	13	26	1	2.4	0.2	3.4	3.8	5.8	4.0	9.8	1644	125458	Yes	-0.78	6.42	37
804533	WD	Hybrid	2267	0	24	0	2.0	0.3	0.0	6.4	2.0	6.7	8.7	462	81517	Yes	-0.04	5.96	11
804532	WD	Hybrid	1679	6	21	0	1.9	1.2	1.1	4.3	3.0	5.5	8.5	106	16725	Yes	0.45	6.95	16
804531	WD	Hybrid	1416	14	9	2	4.0	0.2	5.4	1.1	9.4	1.3	10.7	198	28159	Yes	-0.01	6.29	33
804443	CD	UG	631	0	11	0	0.0	1.9	0.0	0.6	0.0	2.5	2.5	0	0	Yes	0.19	4.29	0
804442	CD	UG	2509	0	9	0	0.0	3.1	0.0	1.6	0.0	4.7	4.7	353	509	Yes	0.59	6.29	1
804441	CD	UG	256	0	6	0	0.0	2.2	0.0	0.7	0.0	2.9	2.9	1	399	Yes	0.21	2.61	1
804440	CD	Hybrid	66	0	4	0	0.2	2.6	0.0	0.1	0.2	2.7	2.9	1055	66587	Yes	0.37	1.67	2
804439	CD	Hybrid	1607	3	11	0	1.6	1.6	0.1	0.3	1.7	1.9	3.6	3274	59316	Yes	-0.11	3.19	8
804438	CD	Hybrid	863	0	8	0	0.2	2.3	0.0	1.3	0.2	3.6	3.8	37	2072	Yes	-0.13	2.87	1
804437	CD	Hybrid	825	6	8	1	0.9	1.8	0.7	2.3	1.6	4.1	5.7	1118	53453	Yes	-1.57	3.73	20
804436	CD	UG	727	0	4	0	0.0	2.3	0.0	0.4	0.0	2.7	2.7	0	0	Yes	-0.80	2.80	0
804435	CD	UG	135	0	7	1	0.0	3.4	0.0	0.6	0.0	4.0	4.0	0	0	Yes	1.15	2.55	0
804434	CD	UG	242	0	2	0	0.0	2.4	0.0	0.2	0.0	2.6	2.6	0	0	Yes	0.12	1.62	0
804433	CD	UG	38	0	2	0	0.0	3.2	0.0	0.2	0.0	3.4	3.4	1	117	Yes	1.30	2.90	1
804432	CD	Hybrid	1704	8	23	1	2.3	0.5	0.7	2.0	3.0	2.5	5.5	1123	141397	Yes	-0.88	6.42	18
804431	CD	Hybrid	481	4	13	1	1.8	1.1	1.0	2.1	2.8	3.2	6.0	1038	69407	Yes	1.13	4.03	16
804340	SD	Hybrid	220	7	8	0	0.9	0.8	1.0	0.6	1.9	1.4	3.3	20	3095	Yes	0.00	6.90	9
804339	SD	Hybrid	26	1	2	0	0.7	1.9	0.0	0.0	0.7	1.9	2.6	4	2025	Yes	-0.26	3.64	4
804338	SD	Hybrid	523	6	20	2	1.8	0.5	4.5	1.6	6.3	2.1	8.4	147	38919	Yes	-0.07	6.23	23
804337	SD	UG	1	0	0	0	0.0	1.3	0.0	0.0	0.0	1.3	1.3	0	0	Yes	-1.80	1.10	0
804336	SD	Hybrid	1415	12	39	7	2.8	1.3	3.7	6.1	6.5	7.4	13.9	513	80098	Yes	-0.04	6.96	41
804335	SD	Hybrid	1844	7	31	4	1.7	0.6	3.2	6.4	4.9	7.0	11.9	500	81603	Yes	-0.18	6.82	31
804334	SD	Hybrid	877	33	12	9	3.3	0.5	12.6	6.0	15.9	6.5	22.4	356	74534	Yes	-0.12	6.88	59

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
804333	SD	Hybrid	456	8	15	6	2.7	0.1	3.6	2.6	6.3	2.7	9.0	179	28257	Yes	-0.18	3.62	22
804332	SD	Hybrid	852	15	21	4	3.3	0.5	6.2	2.7	9.5	3.2	12.7	1067	99569	Yes	-0.41	6.39	56
804331	SD	Hybrid	772	17	23	2	2.8	0.1	4.7	3.0	7.5	3.1	10.6	229	34268	Yes	0.23	5.53	35
804239	SD	Hybrid	1894	18	18	3	3.2	1.4	8.9	7.1	12.1	8.5	20.6	1382	174487	Yes	-0.17	8.43	77
804238	SD	Hybrid	1329	4	33	1	3.0	0.4	3.6	3.7	6.6	4.1	10.7	718	38608	Yes	0.06	7.86	16
804237	SD	Hybrid	1364	14	23	3	2.6	0.8	5.6	5.5	8.2	6.3	14.5	115	17491	Yes	-0.11	7.89	24
804236	SD	Hybrid	1338	21	28	8	4.4	0.2	7.0	2.5	11.4	2.7	14.1	912	42594	Yes	-0.45	6.25	31
804235	SD	Hybrid	969	10	27	4	3.3	0.1	3.9	4.0	7.2	4.1	11.3	3182	209005	Yes	0.59	6.69	43
804234	SD	Hybrid	1584	2	29	1	2.0	0.5	0.6	5.1	2.6	5.6	8.2	542	115391	Yes	-0.24	5.86	13
804233	SD	Hybrid	1312	6	28	1	3.5	0.2	2.4	9.4	5.9	9.6	15.5	307	44970	Yes	-0.28	8.72	38
804232	SD	Hybrid	2161	23	31	4	5.5	0.0	5.8	7.2	11.3	7.2	18.5	1474	118756	Yes	-0.08	8.32	62
804231	SD	Hybrid	463	4	21	2	1.8	0.1	1.4	3.1	3.2	3.2	6.4	574	36560	Yes	0.03	5.33	16
804141	ND	Hybrid	824	2	24	1	2.5	2.4	0.8	5.0	3.3	7.4	10.7	149	22840	Yes	0.09	6.39	22
804140	ND	UG	113	0	16	0	0.5	3.8	0.0	6.0	0.5	9.8	10.3	34	3800	Yes	0.29	5.39	6
804139	ND	Hybrid	1175	13	17	5	5.2	0.2	4.7	2.2	9.9	2.4	12.3	4370	321638	Yes	-0.23	6.77	65
804138	ND	Hybrid	751	6	23	3	3.5	0.2	2.0	7.0	5.5	7.2	12.7	242	42526	Yes	0.46	7.36	22
804137	ND	Hybrid	825	4	7	2	1.1	0.7	3.0	2.3	4.1	3.0	7.1	338	52497	Yes	-0.19	3.21	31
804136	ND	Hybrid	308	4	13	0	2.5	0.8	1.3	1.8	3.8	2.6	6.4	42	8766	Yes	-0.58	4.62	11
804135	ND	Hybrid	864	13	5	0	1.5	0.8	6.3	0.7	7.8	1.5	9.3	479	98796	Yes	-0.01	5.39	67
804134	ND	Hybrid	1098	14	1	2	2.3	0.1	6.5	1.3	8.8	1.4	10.2	883	185470	Yes	-0.17	5.63	75
804133	ND	Hybrid	1287	12	25	9	4.0	1.0	4.9	4.3	8.9	5.3	14.2	2366	179652	Yes	0.67	7.67	83
804132	ND	Hybrid	721	8	18	2	2.3	0.1	3.2	2.6	5.5	2.7	8.2	1116	99791	Yes	-0.06	5.24	26
804131	ND	Hybrid	1296	35	7	1	4.0	0.2	8.8	0.8	12.8	1.0	13.8	3296	322870	Yes	-0.02	5.98	60
804040	WD	UG	3	0	1	0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0	0	Yes	0.34	7.64	0
804039	WD	UG	23	0	2	0	0.0	2.5	0.0	0.6	0.0	3.1	3.1	0	0	Yes	-0.25	4.75	0
804038	WD	UG	1	0	2	0	0.0	1.1	0.0	0.0	0.0	1.1	1.1	0	0	Yes	-1.78	2.42	0
804037	WD	UG	7	0	4	0	0.0	4.8	0.0	0.1	0.0	4.9	4.9	0	0	Yes	0.01	3.21	0
804036	WD	Hybrid	115	4	12	0	2.2	1.3	0.1	0.8	2.3	2.1	4.4	6	1550	Yes	0.01	3.51	4
804035	WD	UG	0	0	2	0	0.0	0.2	0.0	0.1	0.0	0.3	0.3	0	0	Yes	-0.24	7.26	0
804034	WD	UG	24	0	2	0	0.0	4.2	0.0	0.1	0.0	4.3	4.3	1	14	Yes	-0.08	2.62	1
804033	WD	UG	21	0	9	0	0.2	7.3	0.0	1.5	0.2	8.8	9.0	0	0	Yes	-0.60	4.20	0
804032	WD	UG	23	0	3	0	0.0	4.0	0.0	0.0	0.0	4.0	4.0	0	0	Yes	0.13	3.53	0
804031	WD	UG	24	0	5	0	0.0	4.9	0.0	0.8	0.0	5.7	5.7	0	0	Yes	0.02	3.62	0
803941	ND	UG	1414	0	6	0	0.0	4.0	0.0	2.1	0.0	6.1	6.1	2	359	Yes	-0.84	3.06	2
803940	ND	UG	794	0	0	0	0.0	3.4	0.0	0.0	0.0	3.4	3.4	0	0	Yes	-0.14	2.66	0
803939	ND	UG	3057	0	9	0	0.0	2.5	0.0	1.8	0.0	4.3	4.3	1	262	Yes	-0.04	7.16	1
803938	ND	Hybrid	421	0	21	2	0.8	3.4	0.3	1.0	1.1	4.4	5.5	112	18582	Yes	0.24	5.94	6
803937	ND	UG	2036	0	7	0	0.0	3.4	0.0	2.1	0.0	5.5	5.5	79	18303	Yes	-0.24	5.06	4
803936	ND	UG	945	0	5	0	0.0	3.6	0.0	0.6	0.0	4.2	4.2	28	1064	Yes	0.75	3.95	1
803935	ND	UG	1617	0	9	0	0.0	4.8	0.0	1.0	0.0	5.8	5.8	636	76347	Yes	0.03	4.73	9
803934	ND	UG	1098	0	7	0	0.0	3.9	0.0	0.8	0.0	4.7	4.7	1273	18181	Yes	0.16	4.76	5

Feeder Specific Data and Attached Laterals

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
803933	ND	Hybrid	2477	7	40	4	2.1	0.0	2.4	7.9	4.5	7.9	12.4	1992	156390	Yes	-0.14	9.16	28
803932	ND	Hybrid	659	1	16	1	0.8	2.4	0.1	1.4	0.9	3.8	4.7	607	13363	Yes	-0.35	3.65	3
803931	ND	UG	851	0	11	0	0.1	2.7	0.0	0.8	0.1	3.5	3.6	858	2597	Yes	-0.27	3.23	2
803802	WD	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	No	-6.40	8.80	0
803801	WD	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	No	-6.40	8.80	0
803731	WD	UG	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	0	#N/A	#N/A	#N/A	0
803641	WD	Hybrid	251	6	0	0	1.3	0.5	1.0	0.0	2.3	0.5	2.8	61	7821	Yes	0.56	2.06	12
803640	WD	UG	1	0	0	0	0.0	0.9	0.0	0.0	0.0	0.9	0.9	0	0	No	-1.02	1.88	0
803639	WD	UG	2	0	1	0	0.0	4.8	0.0	0.0	0.0	4.8	4.8	0	0	No	-2.56	0.24	0
803638	WD	OH	1732	25	2	3	3.4	0.3	10.9	0.2	14.3	0.5	14.8	2208	346409	Yes	-0.10	8.00	104
803637	WD	OH	1704	32	5	2	4.2	0.2	12.4	0.4	16.6	0.6	17.2	1702	274630	Yes	-0.05	7.85	105
803636	WD	Hybrid	1005	10	5	1	1.9	0.3	1.4	0.4	3.3	0.7	4.0	132	38651	Yes	-1.58	5.62	16
803635	WD	Hybrid	93	1	5	0	1.1	0.6	0.1	0.1	1.2	0.7	1.9	59	8938	Yes	0.06	7.16	11
803634	WD	Hybrid	1034	14	7	1	2.9	0.3	3.3	0.7	6.2	1.0	7.2	2296	88124	Yes	-0.14	5.36	55
803633	WD	Hybrid	499	10	18	1	2.8	0.3	2.1	1.8	4.9	2.1	7.0	1575	48325	Yes	0.31	3.81	25
803632	WD	Hybrid	843	14	13	0	3.5	0.0	3.9	0.5	7.4	0.5	7.9	2527	241705	Yes	0.91	6.71	58
803631	WD	OH	1529	28	1	1	3.2	0.1	5.7	0.1	8.9	0.2	9.1	1141	115539	Yes	-0.31	7.19	58
803547	CD	UG	0	0	0	0	0.0	1.2	0.0	0.0	0.0	1.2	1.2	0	0	Yes	0.00	3.40	0
803546	CD	UG	2	0	0	0	0.0	1.2	0.0	0.0	0.0	1.2	1.2	0	0	Yes	-0.04	3.86	0
803545	CD	Hybrid	301	2	20	0	1.5	2.5	0.1	0.8	1.6	3.3	4.9	0	0	Yes	-0.12	3.18	0
803544	CD	UG	4	0	1	0	0.0	1.2	0.0	0.1	0.0	1.3	1.3	0	0	Yes	-0.09	2.31	0
803543	CD	UG	1	0	0	0	0.0	1.2	0.0	0.1	0.0	1.3	1.3	0	0	Yes	0.23	6.93	0
803542	CD	UG	1	0	0	0	0.0	4.5	0.0	0.0	0.0	4.5	4.5	0	0	Yes	0.62	3.52	0
803541	CD	UG	0	0	0	0	0.0	2.3	0.0	0.0	0.0	2.3	2.3	0	0	Yes	0.39	3.19	0
803540	CD	Hybrid	74	1	3	0	0.7	0.1	0.0	0.1	0.7	0.2	0.9	0	0	Yes	-3.10	1.70	0
803539	CD	Hybrid	2159	21	6	5	2.8	0.2	5.5	0.3	8.3	0.5	8.8	2937	211839	Yes	-0.26	8.14	39
803538	CD	Hybrid	2473	12	18	8	3.5	0.4	2.5	2.6	6.0	3.0	9.0	2693	106448	Yes	0.81	9.41	29
803537	CD	UG	157	0	4	0	0.0	2.9	0.0	0.3	0.0	3.2	3.2	1	43	Yes	-1.17	5.33	1
803536	CD	UG	2	0	3	0	0.0	1.5	0.0	0.1	0.0	1.6	1.6	0	0	Yes	-0.11	3.89	0
803535	CD	UG	11	0	1	0	0.0	2.0	0.0	0.0	0.0	2.0	2.0	0	0	Yes	-0.22	3.48	0
803534	CD	UG	5	0	4	0	0.0	2.1	0.0	0.2	0.0	2.3	2.3	0	0	Yes	-0.01	3.99	0
803533	CD	UG	5	0	4	0	0.0	1.9	0.0	0.1	0.0	2.0	2.0	1	134	Yes	-1.49	2.41	1
803532	CD	Hybrid	2710	17	20	11	2.9	0.2	3.5	1.2	6.4	1.4	7.8	5714	72805	Yes	-0.05	7.35	22
803531	CD	Hybrid	2237	14	21	7	3.1	0.2	3.5	1.1	6.6	1.3	7.9	2580	157692	Yes	-0.30	10.10	27
803440	ND	Hybrid	1601	23	22	2	2.8	1.5	7.1	1.1	9.9	2.6	12.5	3500	213535	Yes	-0.26	6.04	79
803439	ND	Hybrid	1709	35	4	2	2.7	1.0	9.8	0.3	12.5	1.3	13.8	3605	259729	Yes	-0.10	6.90	101
803438	ND	Hybrid	1081	28	7	4	3.1	0.6	7.3	0.4	10.4	1.0	11.4	1017	126460	Yes	-0.15	6.55	68
803437	ND	Hybrid	1404	19	19	3	4.3	0.7	7.0	1.0	11.3	1.7	13.0	1842	209178	Yes	-0.08	5.62	61
803436	ND	Hybrid	1208	21	5	2	2.3	0.2	6.0	0.3	8.3	0.5	8.8	2914	172554	Yes	0.52	4.52	46
803435	ND	OH	1580	24	6	2	2.8	0.1	7.0	0.3	9.8	0.4	10.2	2322	188262	Yes	-0.09	5.11	59
803434	ND	Hybrid	1483	22	10	3	3.4	1.4	5.4	1.6	8.8	3.0	11.8	458	58418	Yes	0.16	5.96	48

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
803433	ND	OH	1513	33	3	3	3.6	0.1	10.0	0.2	13.6	0.3	13.9	3129	133581	Yes	-0.17	7.83	58
803432	ND	OH	2023	21	6	3	3.4	0.0	7.9	0.5	11.3	0.5	11.8	1636	203243	Yes	-0.13	6.47	79
803431	ND	Hybrid	1474	31	7	2	3.9	0.5	8.9	0.6	12.8	1.1	13.9	451	69911	Yes	-0.26	6.64	62
803236	SD	Hybrid	1027	6	17	3	3.0	1.1	4.1	7.5	7.1	8.6	15.7	310	80376	Yes	0.13	6.13	39
803235	SD	Hybrid	191	0	13	0	1.6	0.8	0.0	2.8	1.6	3.6	5.2	20	2740	Yes	0.01	1.21	1
803234	SD	Hybrid	64	3	14	1	3.0	0.8	0.2	6.4	3.2	7.2	10.4	95	12633	Yes	-0.24	3.46	5
803233	SD	Hybrid	2752	6	38	2	3.8	2.5	1.2	21.1	5.0	23.6	28.6	3191	292762	Yes	-0.98	10.92	25
803232	SD	Hybrid	1765	3	34	0	3.1	0.5	0.1	12.7	3.2	13.2	16.4	154	25649	Yes	-0.69	8.11	14
803231	SD	Hybrid	12	0	6	1	2.7	0.0	0.8	0.4	3.5	0.4	3.9	13	3539	Yes	0.29	1.29	2
803138	SD	Hybrid	2462	0	29	0	1.8	2.7	0.0	17.2	1.8	19.9	21.7	136	45974	Yes	0.09	9.49	9
803137	SD	Hybrid	1080	2	19	1	2.3	1.5	0.5	6.7	2.8	8.2	11.0	194	56729	Yes	0.19	4.49	13
803136	SD	Hybrid	1188	16	21	6	3.6	2.4	4.4	5.0	8.0	7.4	15.4	25	9420	Yes	-0.07	7.53	11
803135	SD	Hybrid	144	3	7	2	19.4	0.6	5.7	4.7	25.1	5.3	30.4	346	31807	Yes	0.27	1.47	7
803134	SD	Hybrid	1421	2	27	2	5.8	1.9	2.5	15.1	8.3	17.0	25.3	171	42046	Yes	-0.41	7.09	23
803133	SD	Hybrid	1649	7	37	3	4.9	0.3	1.8	8.7	6.7	9.0	15.7	53	1587	Yes	0.30	8.20	7
803132	SD	Hybrid	1200	13	23	3	9.9	4.7	4.8	12.9	14.7	17.6	32.3	2624	129230	Yes	1.78	8.88	18
803131	SD	Hybrid	1280	8	13	1	28.3	0.1	7.4	5.7	35.7	5.8	41.5	5660	351241	Yes	-0.23	4.27	38
803038	WD	Hybrid	1586	5	21	2	3.2	0.2	1.9	7.5	5.1	7.7	12.8	2697	154855	Yes	-0.14	6.16	29
803037	WD	Hybrid	983	21	13	1	3.3	0.3	4.3	1.8	7.6	2.1	9.7	313	65294	Yes	-0.90	6.80	42
803036	WD	Hybrid	1363	9	33	1	2.7	0.7	2.8	6.1	5.5	6.8	12.3	159	35108	Yes	-0.28	6.72	25
803035	WD	Hybrid	1445	21	2	1	2.0	0.2	10.2	0.6	12.2	0.8	13.0	2130	111205	Yes	-0.52	7.38	56
803034	WD	Hybrid	1398	23	14	4	2.4	1.8	5.3	4.1	7.7	5.9	13.6	658	99328	Yes	-0.52	6.88	30
803033	WD	Hybrid	2166	9	24	1	1.4	1.6	3.6	9.8	5.0	11.4	16.4	1541	63994	Yes	-0.27	8.83	30
803032	WD	Hybrid	733	9	22	2	3.4	0.1	2.5	1.5	5.9	1.6	7.5	849	40487	Yes	-0.08	8.62	24
803031	WD	Hybrid	1502	12	31	3	3.2	0.3	4.1	5.8	7.3	6.1	13.4	357	83506	Yes	-0.45	7.25	41
802937	CD	Hybrid	1825	19	12	6	3.8	0.8	4.1	0.8	7.9	1.6	9.5	6030	158900	Yes	-0.21	7.89	35
802936	CD	Hybrid	2328	21	7	7	3.6	0.9	6.3	0.7	9.9	1.6	11.5	3589	113271	Yes	-0.68	8.12	52
802935	CD	Hybrid	1313	13	8	0	2.2	0.3	3.9	0.3	6.1	0.6	6.7	133	27438	Yes	-0.13	5.47	25
802934	CD	OH	1270	20	3	2	2.0	0.2	4.7	0.1	6.7	0.3	7.0	924	87183	Yes	0.62	6.52	34
802933	CD	Hybrid	2696	19	15	6	3.2	0.2	5.1	1.5	8.3	1.7	10.0	9649	300857	Yes	-0.52	8.88	41
802932	CD	Hybrid	1392	14	9	2	1.9	0.0	3.0	0.5	4.9	0.5	5.4	2024	65499	Yes	-0.33	6.27	12
802931	CD	Hybrid	2033	14	9	4	2.5	0.0	3.7	0.8	6.2	0.8	7.0	423	68574	Yes	-0.11	6.29	29
802837	ND	Hybrid	1691	17	15	12	3.9	0.1	3.7	0.7	7.6	0.8	8.4	4355	295422	Yes	-0.05	5.65	47
802836	ND	Hybrid	2362	21	21	3	3.6	0.9	4.8	2.2	8.4	3.1	11.5	5143	282456	Yes	-0.36	9.64	43
802835	ND	Hybrid	2803	9	41	6	4.2	0.2	4.1	3.5	8.3	3.7	12.0	918	223496	Yes	-0.20	6.30	48
802834	ND	Hybrid	1543	6	19	3	2.1	0.6	1.6	2.8	3.7	3.4	7.1	1716	117220	Yes	-0.75	6.85	24
802833	ND	Hybrid	2148	31	12	11	3.9	0.0	10.4	1.0	14.3	1.0	15.3	4462	238770	Yes	0.34	8.24	99
802832	ND	Hybrid	719	7	14	1	2.0	0.1	1.3	0.6	3.3	0.7	4.0	318	36119	Yes	-0.12	3.18	24
802831	ND	Hybrid	972	13	17	1	2.6	0.1	3.0	1.1	5.6	1.2	6.8	185	15327	Yes	0.39	6.39	20
802739	SD	Hybrid	1500	3	19	1	0.8	1.8	1.0	5.9	1.8	7.7	9.5	62	8108	Yes	-0.04	4.36	7
802738	SD	Hybrid	1010	1	20	1	1.3	1.9	0.3	6.0	1.6	7.9	9.5	121	39164	Yes	-0.47	6.63	8

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
802737	SD	Hybrid	1277	0	12	0	0.8	1.7	0.0	5.6	0.8	7.3	8.1	26	2565	Yes	-0.26	3.24	7
802736	SD	Hybrid	1898	0	29	0	1.2	2.0	0.0	12.4	1.2	14.4	15.6	175	36669	Yes	-0.58	6.42	19
802735	SD	Hybrid	376	0	18	0	0.4	1.8	0.0	4.0	0.4	5.8	6.2	157	5268	Yes	-4.25	5.15	2
802734	SD	Hybrid	2263	1	35	0	2.0	0.0	0.1	8.9	2.1	8.9	11.0	1195	53203	Yes	-0.13	6.77	13
802733	SD	Hybrid	508	4	28	1	1.2	0.8	0.4	4.6	1.6	5.4	7.0	2	370	Yes	0.49	7.09	2
802732	SD	Hybrid	1478	1	26	0	1.6	1.5	0.6	6.8	2.2	8.3	10.5	883	106655	Yes	-0.80	5.00	6
802731	SD	Hybrid	433	1	33	1	2.2	0.2	0.7	6.9	2.9	7.1	10.0	24	8269	Yes	0.28	5.18	6
802639	WD	UG	0	0	0	0	0.0	1.4	0.0	0.0	0.0	1.4	1.4	0	0	Yes	0.01	1.01	0
802638	WD	UG	3	0	4	0	0.0	4.7	0.0	0.1	0.0	4.8	4.8	0	0	Yes	-0.87	2.13	0
802637	WD	UG	9	0	2	0	0.0	4.0	0.0	0.4	0.0	4.4	4.4	0	0	Yes	0.00	0.60	0
802636	WD	Hybrid	355	6	11	0	3.0	0.6	0.6	1.6	3.6	2.2	5.8	416	45677	Yes	-0.06	3.94	8
802635	WD	Hybrid	756	17	14	0	3.7	0.5	3.4	0.3	7.1	0.8	7.9	2546	112180	Yes	-0.02	5.68	34
802634	WD	UG	4	0	1	0	0.0	1.5	0.0	0.0	0.0	1.5	1.5	0	0	Yes	-0.02	0.68	0
802633	WD	UG	3	0	5	0	0.0	2.3	0.0	0.2	0.0	2.5	2.5	0	0	Yes	-0.09	2.61	0
802632	WD	UG	8	0	6	0	0.0	3.6	0.0	1.3	0.0	4.9	4.9	0	0	Yes	0.59	3.99	0
802631	WD	Hybrid	1638	10	32	3	5.1	0.0	1.8	1.7	6.9	1.7	8.6	2765	193399	Yes	1.33	8.33	31
802538	ND	UG	0	0	0	0	0.0	2.7	0.0	0.0	0.0	2.7	2.7	0	0	Yes	-0.62	0.18	0
802537	ND	UG	1	0	0	0	0.0	0.8	0.0	0.0	0.0	0.8	0.8	0	0	Yes	0.43	4.63	0
802536	ND	UG	20	0	11	0	0.0	2.8	0.0	2.2	0.0	5.0	5.0	0	0	Yes	0.41	4.91	0
802535	ND	UG	0	0	0	0	0.0	0.8	0.0	0.0	0.0	0.8	0.8	0	0	Yes	-1.31	3.19	0
802534	ND	Hybrid	2127	2	24	5	2.9	0.6	1.9	1.9	4.8	2.5	7.3	300	78104	Yes	-0.52	5.68	12
802533	ND	Hybrid	1715	3	34	1	2.9	0.8	2.6	6.4	5.5	7.2	12.7	55	5988	Yes	0.41	4.91	11
802532	ND	Hybrid	1872	5	19	4	2.1	0.5	0.9	1.2	3.0	1.7	4.7	185	16410	Yes	0.03	4.73	12
802531	ND	Hybrid	1377	7	16	8	3.1	0.1	1.7	0.9	4.8	1.0	5.8	3214	105799	Yes	0.13	4.73	21
802440	SD	UG	104	0	1	0	0.0	0.8	0.0	0.2	0.0	1.0	1.0	0	0	Yes	-0.44	4.76	0
802439	SD	UG	0	0	0	0	0.0	3.1	0.0	0.0	0.0	3.1	3.1	0	0	Yes	-1.20	1.50	0
802438	SD	UG	1	0	0	0	0.0	2.8	0.0	0.0	0.0	2.8	2.8	0	0	Yes	-2.07	1.33	0
802437	SD	Hybrid	1267	21	19	7	3.0	0.8	8.5	1.9	11.5	2.7	14.2	1962	171110	Yes	-0.33	8.47	74
802436	SD	Hybrid	1211	11	31	5	2.3	1.4	2.3	2.2	4.6	3.6	8.2	1601	31048	Yes	-0.38	6.52	15
802435	SD	Hybrid	906	30	20	1	3.9	2.9	4.2	6.7	8.1	9.6	17.7	559	61822	Yes	0.20	7.60	31
802434	SD	Hybrid	910	15	16	1	2.2	0.8	5.1	0.6	7.3	1.4	8.7	245	39204	Yes	-0.23	5.47	35
802433	SD	Hybrid	1467	32	12	6	3.3	0.0	12.4	1.9	15.7	1.9	17.6	550	114348	Yes	-0.10	7.40	78
802432	SD	Hybrid	626	8	11	1	1.6	0.6	2.1	1.1	3.7	1.7	5.4	187	35821	Yes	-0.10	7.60	25
802431	SD	Hybrid	1026	12	18	5	1.5	1.4	1.7	1.0	3.2	2.4	5.6	86	19131	Yes	-0.14	6.56	17
802240	CD	Hybrid	1328	17	9	3	2.9	0.8	4.1	0.6	7.0	1.4	8.4	266	45575	Yes	-0.02	4.78	25
802239	CD	UG	1	0	0	0	0.0	3.9	0.0	0.0	0.0	3.9	3.9	0	0	Yes	-1.41	2.19	0
802238	CD	UG	1	0	0	0	0.0	2.7	0.0	0.0	0.0	2.7	2.7	0	0	Yes	-0.37	3.03	0
802237	CD	Hybrid	1554	27	12	5	5.5	0.5	5.8	0.5	11.3	1.0	12.3	3433	160345	Yes	0.08	6.58	39
802236	CD	Hybrid	3229	63	9	2	5.8	0.3	10.0	0.8	15.8	1.1	16.9	607	89190	Yes	-0.04	9.26	70
802235	CD	OH	2072	46	9	2	3.9	0.0	8.8	0.3	12.7	0.3	13.0	5539	174895	Yes	-3.31	6.79	87
802234	CD	Hybrid	1110	32	16	2	5.4	0.1	4.8	1.5	10.2	1.6	11.8	1462	61860	Yes	-0.10	9.20	50

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
802233	CD	Hybrid	749	13	16	2	3.9	0.8	2.2	2.1	6.1	2.9	9.0	1987	135235	Yes	-0.22	5.58	13
802232	CD	Hybrid	2709	50	14	2	5.7	0.2	13.2	2.2	18.9	2.4	21.3	3292	112946	Yes	-0.11	9.69	67
802231	CD	Hybrid	1503	28	4	3	3.4	0.0	4.6	0.6	8.0	0.6	8.6	568	64896	Yes	0.07	5.17	45
802139	CD	UG	0	0	0	0	0.0	2.1	0.0	0.0	0.0	2.1	2.1	0	0	Yes	-1.11	5.09	0
802138	CD	Hybrid	455	6	8	0	2.4	0.4	0.8	0.4	3.2	0.8	4.0	483	23066	Yes	-0.06	2.54	6
802137	CD	UG	152	0	11	0	0.0	5.3	0.0	1.6	0.0	6.9	6.9	11	3054	Yes	2.09	4.49	3
802136	CD	Hybrid	1453	5	13	0	1.7	8.0	0.7	3.6	2.4	11.6	14.0	9158	162645	Yes	-0.44	5.36	17
802135	CD	Hybrid	1658	10	20	2	2.9	1.3	1.6	1.1	4.5	2.4	6.9	3747	73885	Yes	-0.56	8.14	29
802134	CD	Hybrid	1891	12	21	7	2.5	0.2	2.2	1.3	4.7	1.5	6.2	134	13093	Yes	-0.86	7.04	18
802133	CD	Hybrid	100	3	9	0	1.8	0.2	0.3	0.2	2.1	0.4	2.5	738	23417	Yes	0.02	2.42	8
802132	CD	Hybrid	656	12	8	0	1.9	0.3	1.0	1.3	2.9	1.6	4.5	349	27852	Yes	-3.64	2.26	11
802131	CD	Hybrid	1552	22	11	1	4.9	0.2	3.9	0.9	8.8	1.1	9.9	627	35403	Yes	0.38	7.38	40
802038	SD	Hybrid	849	5	27	3	2.0	2.1	1.4	12.3	3.4	14.4	17.8	226	51837	Yes	-0.19	5.81	26
802037	SD	Hybrid	735	27	2	3	2.8	0.5	12.8	1.0	15.6	1.5	17.1	493	93778	Yes	-0.38	5.72	60
802036	SD	Hybrid	1005	24	16	5	5.0	2.1	6.7	6.4	11.7	8.5	20.2	1230	97842	Yes	-0.60	6.30	42
802035	SD	Hybrid	1056	7	37	6	3.6	1.8	3.2	17.6	6.8	19.4	26.2	217	42167	Yes	-0.10	8.70	35
802034	SD	Hybrid	320	6	4	3	2.2	1.0	2.4	2.8	4.6	3.8	8.4	251	52934	Yes	-0.11	2.69	26
802033	SD	Hybrid	885	15	14	5	4.3	0.2	5.6	5.0	9.9	5.2	15.1	1277	86017	Yes	-0.59	5.61	37
802032	SD	Hybrid	1066	23	19	3	3.8	0.2	9.2	5.5	13.0	5.7	18.7	1466	157990	Yes	-0.45	7.25	55
802031	SD	Hybrid	780	15	22	2	1.9	1.8	4.4	3.8	6.3	5.6	11.9	60	14284	Yes	-0.46	4.24	28
801942	CD	Hybrid	1721	6	9	2	1.8	0.6	0.7	0.2	2.5	0.8	3.3	1217	43839	Yes	-0.05	3.95	11
801941	CD	Hybrid	1837	12	12	2	2.2	1.1	2.0	0.6	4.2	1.7	5.9	3959	94989	Yes	-0.25	6.35	22
801940	CD	Hybrid	764	3	8	0	1.3	3.7	0.9	0.5	2.2	4.2	6.4	66	16337	Yes	0.04	3.34	9
801939	CD	Hybrid	1099	1	15	2	1.2	5.3	0.8	2.5	2.0	7.8	9.8	970	122214	Yes	-0.07	3.63	19
801938	CD	Hybrid	2215	8	21	1	1.7	2.4	1.6	1.6	3.3	4.0	7.3	9037	90197	Yes	-0.44	6.86	20
801937	CD	Hybrid	717	3	10	0	3.0	1.0	0.3	0.4	3.3	1.4	4.7	4134	93002	Yes	-0.50	3.60	21
801936	CD	UG	240	0	3	0	0.0	0.9	0.0	0.2	0.0	1.1	1.1	0	0	Yes	-0.24	0.96	0
801935	CD	Hybrid	1867	3	9	2	1.7	1.1	1.0	0.3	2.7	1.4	4.1	1235	113849	Yes	-0.09	4.01	18
801934	CD	UG	850	0	5	0	0.0	1.1	0.0	0.4	0.0	1.5	1.5	0	0	Yes	0.05	4.65	0
801933	CD	Hybrid	1144	1	5	3	1.0	0.1	0.6	0.2	1.6	0.3	1.9	74	4520	Yes	0.03	2.83	11
801932	CD	UG	773	0	4	0	0.0	1.1	0.0	0.2	0.0	1.3	1.3	0	0	Yes	0.13	1.83	0
801931	CD	UG	445	0	8	0	0.0	1.8	0.0	2.3	0.0	4.1	4.1	6	219	Yes	-1.03	2.67	2
801839	ND	Hybrid	2056	25	27	5	4.1	0.2	5.4	3.0	9.5	3.2	12.7	623	92540	Yes	0.04	6.64	53
801838	ND	Hybrid	1621	22	6	3	2.9	0.3	10.8	0.7	13.7	1.0	14.7	929	160885	Yes	0.02	7.22	111
801837	ND	Hybrid	1117	14	5	3	2.8	0.8	6.4	0.3	9.2	1.1	10.3	447	80165	Yes	-0.17	5.43	61
801836	ND	Hybrid	1268	17	5	8	3.0	0.2	5.7	1.5	8.7	1.7	10.4	327	56044	Yes	-0.34	6.26	45
801835	ND	OH	1422	13	1	1	1.5	0.0	8.8	0.1	10.3	0.1	10.4	1584	243514	Yes	-0.17	5.43	81
801834	ND	Hybrid	1905	22	19	2	3.5	0.1	9.5	1.4	13.0	1.5	14.5	644	126361	Yes	-0.20	7.00	74
801833	ND	OH	1538	22	2	3	2.1	0.0	11.8	0.1	13.9	0.1	14.0	994	168366	Yes	-0.07	6.53	90
801832	ND	Hybrid	2713	32	11	12	4.1	0.8	9.9	1.0	14.0	1.8	15.8	2048	101343	Yes	-0.75	8.65	83
801831	ND	Hybrid	657	18	7	0	2.5	0.0	4.0	1.1	6.5	1.1	7.6	706	90616	Yes	-0.12	5.88	48

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
801738	WD	Hybrid	752	20	1	0	2.4	0.7	5.2	0.0	7.6	0.7	8.3	185	30892	Yes	-0.14	3.26	38
801737	WD	Hybrid	1733	26	9	3	3.6	0.2	7.4	0.7	11.0	0.9	11.9	2675	194404	Yes	-0.07	7.83	51
801736	WD	OH	995	31	2	4	4.5	0.2	5.9	0.3	10.4	0.5	10.9	1174	143517	Yes	-0.25	6.35	56
801735	WD	OH	1089	19	2	1	3.4	0.1	5.4	0.1	8.8	0.2	9.0	1619	172213	Yes	-0.21	5.59	65
801734	WD	Hybrid	2220	21	14	5	3.8	0.1	5.6	0.8	9.4	0.9	10.3	551	86034	Yes	-0.34	8.56	40
801733	WD	Hybrid	1611	31	17	3	4.0	0.1	7.8	0.8	11.8	0.9	12.7	1542	179441	Yes	-0.42	9.28	42
801732	WD	Hybrid	1391	31	3	3	3.1	0.4	6.4	0.4	9.5	0.8	10.3	318	72162	Yes	-0.08	7.42	35
801731	WD	Hybrid	1414	12	5	3	2.0	0.2	6.1	0.4	8.1	0.6	8.7	2262	190077	Yes	-0.28	6.62	52
801637	SD	Hybrid	2797	9	34	4	3.2	2.2	4.3	32.8	7.5	35.0	42.5	2687	20776	Yes	0.94	11.04	22
801636	SD	Hybrid	2060	37	33	5	7.9	1.9	14.0	15.9	21.9	17.8	39.7	1183	77311	Yes	0.67	8.17	66
801635	SD	Hybrid	2388	7	33	1	8.3	1.7	8.8	21.0	17.1	22.7	39.8	1126	132490	Yes	-0.20	9.50	51
801634	SD	Hybrid	1456	14	35	3	4.8	2.0	3.0	7.3	7.8	9.3	17.1	130	18820	Yes	0.11	5.81	8
801633	SD	Hybrid	2323	19	39	1	3.3	0.6	4.8	11.7	8.1	12.3	20.4	6656	388420	Yes	-4.58	7.02	38
801632	SD	Hybrid	2035	4	30	4	4.5	0.8	1.6	15.4	6.1	16.2	22.3	260	33577	Yes	0.05	8.35	30
801631	SD	Hybrid	921	66	20	7	11.9	0.2	16.2	3.3	28.1	3.5	31.6	2175	86338	Yes	0.20	5.90	39
801436	ND	Hybrid	1780	29	15	0	4.2	1.2	8.5	1.2	12.7	2.4	15.1	1311	98438	Yes	-0.39	9.01	73
801435	ND	Hybrid	2818	38	23	3	4.0	0.3	12.2	2.8	16.2	3.1	19.3	6737	515128	Yes	-0.23	9.07	122
801434	ND	Hybrid	951	28	4	6	2.0	0.5	5.6	0.3	7.6	0.8	8.4	1291	87926	Yes	-0.11	4.79	52
801433	ND	Hybrid	1652	20	25	2	4.2	0.0	5.0	0.9	9.2	0.9	10.1	1315	105522	Yes	-1.64	6.56	54
801432	ND	Hybrid	117	3	10	3	1.6	0.3	0.5	0.6	2.1	0.9	3.0	125	9752	Yes	-0.31	3.89	4
801431	ND	Hybrid	2065	11	28	7	2.7	0.7	9.3	3.0	12.0	3.7	15.7	825	175195	Yes	0.78	8.98	54
801237	ND	Hybrid	1	0	0	0	0.9	0.9	0.0	0.0	0.9	0.9	1.8	0	0	Yes	1.82	7.12	0
801236	ND	Hybrid	602	4	19	0	1.7	2.3	1.9	3.2	3.6	5.5	9.1	1390	88247	Yes	0.14	8.74	26
801235	ND	Hybrid	1332	26	14	6	3.4	0.9	5.4	1.1	8.8	2.0	10.8	4900	186113	Yes	0.08	6.48	67
801234	ND	Hybrid	1477	11	17	2	3.3	0.4	6.8	2.8	10.1	3.2	13.3	2565	284308	Yes	-0.92	8.58	63
801233	ND	Hybrid	2100	17	22	3	3.4	0.0	10.1	1.3	13.5	1.3	14.8	8502	382189	Yes	-1.01	7.99	85
801232	ND	Hybrid	1319	18	32	1	5.0	2.6	2.5	5.8	7.5	8.4	15.9	5822	126080	Yes	1.64	9.04	29
801231	ND	Hybrid	2031	8	15	10	2.7	0.1	4.3	3.9	7.0	4.0	11.0	4543	131187	Yes	1.20	6.90	47
801140	WD	Hybrid	1462	19	8	3	5.0	0.5	3.2	0.5	8.2	1.0	9.2	1629	33222	Yes	0.40	7.40	24
801139	WD	Hybrid	644	7	12	0	3.5	0.4	0.8	0.4	4.3	0.8	5.1	697	24829	Yes	0.08	7.88	16
801138	WD	UG	1	0	0	0	0.0	5.9	0.0	0.0	0.0	5.9	5.9	0	0	No	-0.05	2.05	0
801137	WD	UG	1	0	0	0	0.0	2.8	0.0	0.0	0.0	2.8	2.8	0	0	No	-0.69	1.41	0
801136	WD	Hybrid	1714	13	11	4	4.2	0.5	2.6	1.1	6.8	1.6	8.4	1874	116778	Yes	-0.11	6.29	33
801135	WD	Hybrid	571	15	16	0	3.0	0.2	2.7	0.5	5.7	0.7	6.4	859	87144	Yes	-0.02	4.18	39
801134	WD	Hybrid	1942	38	18	4	5.8	0.2	5.5	1.2	11.3	1.4	12.7	2479	324383	Yes	0.09	9.49	65
801133	WD	OH	1193	20	9	2	4.3	0.0	3.9	0.3	8.2	0.3	8.5	2761	123311	Yes	-0.57	7.03	33
801132	WD	Hybrid	188	3	2	1	1.3	0.3	0.3	0.1	1.6	0.4	2.0	2	801	Yes	-0.31	4.59	2
801131	WD	Hybrid	221	2	18	3	2.8	1.0	1.0	1.7	3.8	2.7	6.5	30	7005	Yes	-0.28	3.82	10
801039	CD	Hybrid	2150	5	12	4	1.8	0.7	0.9	0.4	2.7	1.1	3.8	172	20876	Yes	-0.47	4.03	14
801038	CD	Hybrid	1554	1	29	3	1.0	2.3	0.7	0.9	1.7	3.2	4.9	1208	106096	Yes	-0.32	5.58	16
801037	CD	Hybrid	683	15	1	0	2.0	0.2	3.1	2.0	5.1	2.2	7.3	717	50250	Yes	-0.22	3.08	14

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
801036	CD	Hybrid	1768	4	13	2	1.2	0.1	0.6	1.4	1.8	1.5	3.3	208	20424	Yes	0.05	3.35	10
801035	CD	Hybrid	1190	13	9	2	3.1	1.0	2.7	2.0	5.8	3.0	8.8	1588	120471	Yes	-0.19	7.41	39
801034	CD	Hybrid	2034	14	7	0	2.6	0.2	3.6	0.2	6.2	0.4	6.6	3402	231436	Yes	0.03	5.93	28
801033	CD	Hybrid	1385	4	11	2	1.9	1.2	1.2	0.6	3.1	1.8	4.9	1745	79591	Yes	0.04	5.94	18
801032	CD	UG	570	0	8	0	0.0	3.2	0.0	0.2	0.0	3.4	3.4	1	68	Yes	0.65	4.75	1
801031	CD	Hybrid	1985	0	31	0	0.9	2.6	0.0	2.2	0.9	4.8	5.7	888	6620	Yes	-0.29	6.41	5
800942	CD	UG	1	0	0	0	0.0	1.7	0.0	0.0	0.0	1.7	1.7	0	0	Yes	0.35	5.85	0
800941	CD	Hybrid	878	12	4	5	2.8	0.7	3.4	1.0	6.2	1.7	7.9	2940	129870	Yes	-0.20	5.70	35
800940	CD	UG	2	0	2	0	0.0	3.3	0.0	0.2	0.0	3.5	3.5	0	0	Yes	-0.19	4.31	0
800939	CD	UG	19	0	4	0	0.1	3.4	0.0	0.4	0.1	3.8	3.9	17	102	Yes	1.06	4.06	3
800938	CD	Hybrid	846	14	9	1	3.2	0.4	1.7	0.5	4.9	0.9	5.8	800	55908	Yes	0.41	5.71	14
800937	CD	UG	735	0	7	0	0.0	2.6	0.0	0.9	0.0	3.5	3.5	237	83022	Yes	-3.20	2.30	3
800936	CD	UG	504	0	7	0	0.0	2.1	0.0	0.9	0.0	3.0	3.0	0	0	Yes	2.35	4.25	0
800935	CD	UG	137	0	6	1	0.0	3.7	0.0	0.6	0.0	4.3	4.3	181	9547	Yes	-0.31	1.99	6
800934	CD	UG	150	0	3	0	0.0	2.4	0.0	0.3	0.0	2.7	2.7	1	602	Yes	-0.15	3.85	1
800933	CD	Hybrid	675	15	4	1	2.8	0.3	2.5	0.1	5.3	0.4	5.7	1954	88818	Yes	-0.73	4.27	42
800932	CD	UG	633	0	10	0	0.0	1.9	0.0	0.5	0.0	2.4	2.4	1	31	Yes	-0.24	2.86	1
800931	CD	UG	97	0	6	0	0.0	2.3	0.0	0.7	0.0	3.0	3.0	8	192	Yes	-0.02	4.38	1
800853	CD	UG	3	0	1	0	0.0	2.2	0.0	0.0	0.0	2.2	2.2	0	0	Yes	0.53	6.43	0
800852	CD	UG	242	0	4	1	0.0	4.7	0.0	0.6	0.0	5.3	5.3	0	0	Yes	-0.10	5.20	0
800851	CD	Hybrid	18	0	5	0	0.5	1.4	0.0	0.4	0.5	1.8	2.3	1	118	Yes	0.10	3.10	1
800850	CD	UG	372	0	2	1	0.0	3.2	0.1	1.0	0.1	4.2	4.3	0	0	Yes	-0.23	2.67	0
800849	CD	UG	604	0	6	0	0.0	5.6	0.0	0.5	0.0	6.1	6.1	7	3129	Yes	0.22	6.82	1
800848	CD	UG	2	0	0	0	0.0	3.3	0.0	0.0	0.0	3.3	3.3	0	0	Yes	-0.06	2.44	0
800847	CD	UG	1	0	0	0	0.0	0.4	0.0	0.0	0.0	0.4	0.4	0	0	Yes	-0.11	1.39	0
800846	CD	UG	14	0	3	0	0.0	2.1	0.0	0.7	0.0	2.8	2.8	1	810	Yes	1.22	3.92	1
800845	CD	UG	165	1	11	2	0.0	6.1	0.1	0.9	0.1	7.0	7.1	1	21	Yes	1.26	6.06	1
800844	CD	UG	20	0	7	0	0.0	7.6	0.0	0.6	0.0	8.2	8.2	3	517	Yes	-0.05	4.95	3
800843	CD	UG	92	4	7	0	0.0	4.9	0.2	0.7	0.2	5.6	5.8	73	4794	Yes	-1.98	3.62	5
800842	CD	UG	2267	0	7	0	0.0	3.7	0.0	1.6	0.0	5.3	5.3	233	17475	Yes	1.17	7.07	1
800841	CD	UG	146	1	9	1	0.0	4.5	0.1	0.9	0.1	5.4	5.5	0	0	Yes	2.06	6.86	0
800836	CD	UG	4	0	1	0	0.0	1.8	0.0	0.0	0.0	1.8	1.8	0	0	Yes	0.22	4.72	0
800835	CD	Hybrid	1318	11	11	0	1.7	1.0	1.5	1.2	3.2	2.2	5.4	1437	89427	Yes	0.00	3.10	6
800834	CD	UG	0	0	0	0	0.0	2.8	0.0	0.0	0.0	2.8	2.8	0	0	Yes	-2.26	5.94	0
800833	CD	UG	1104	0	6	0	0.0	5.0	0.1	0.5	0.1	5.5	5.6	0	0	Yes	-1.03	3.87	0
800832	CD	Hybrid	2885	11	32	7	3.5	2.1	2.5	3.1	6.0	5.2	11.2	4156	76847	Yes	-2.43	5.17	21
800831	CD	UG	58	0	3	0	0.0	2.9	0.0	0.2	0.0	3.1	3.1	0	0	Yes	0.01	4.21	0
800742	WD	UG	0	0	0	0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0	0	Yes	1.49	3.59	0
800741	WD	OH	1858	14	3	2	2.1	0.2	5.8	0.1	7.9	0.3	8.2	340	86171	Yes	-0.02	7.38	53
800740	WD	Hybrid	2015	19	1	3	2.7	0.4	4.5	0.3	7.2	0.7	7.9	2062	193495	Yes	-0.21	6.29	50
800739	WD	Hybrid	2644	19	7	3	3.2	0.3	4.8	0.5	8.0	0.8	8.8	2440	126784	Yes	-0.48	8.32	49

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
800738	WD	Hybrid	1507	16	13	3	3.3	2.1	4.6	1.5	7.9	3.6	11.5	869	95052	Yes	-0.08	6.32	26
800737	WD	Hybrid	2151	5	30	5	2.3	0.6	0.8	1.9	3.1	2.5	5.6	158	22153	Yes	-0.28	6.32	18
800736	WD	UG	0	0	0	0	0.0	0.3	0.0	0.0	0.0	0.3	0.3	0	0	Yes	-3.64	1.26	0
800735	WD	UG	1	0	0	0	0.0	0.4	0.0	0.0	0.0	0.4	0.4	0	0	Yes	0.87	4.57	0
800734	WD	Hybrid	1226	14	11	3	3.7	1.0	2.7	2.1	6.4	3.1	9.5	922	63710	Yes	-0.25	7.65	49
800733	WD	Hybrid	1539	5	7	1	2.3	0.1	1.1	0.3	3.4	0.4	3.8	3417	250402	Yes	-0.14	4.56	22
800732	WD	OH	1219	18	3	1	3.4	0.0	5.8	0.2	9.2	0.2	9.4	3340	324301	Yes	-0.15	6.35	53
800731	WD	UG	0	0	0	0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0	0	Yes	0.01	0.11	0
800638	CD	Hybrid	1195	28	8	1	3.5	0.2	6.6	0.5	10.1	0.7	10.8	1330	88404	Yes	-0.44	4.86	51
800637	CD	Hybrid	2280	25	14	4	3.7	2.1	3.4	1.2	7.1	3.3	10.4	406	52118	Yes	-0.08	7.32	50
800636	CD	Hybrid	1357	17	8	5	2.5	0.4	3.3	0.3	5.8	0.7	6.5	4126	135706	Yes	0.75	5.05	22
800635	CD	Hybrid	1424	16	16	2	4.2	0.1	2.3	1.2	6.5	1.3	7.8	99	35196	Yes	-2.54	4.86	21
800634	CD	Hybrid	1563	22	7	3	2.6	0.7	4.5	0.8	7.1	1.5	8.6	4966	207135	Yes	-0.03	5.97	52
800633	CD	Hybrid	2070	32	14	4	4.6	0.5	5.3	2.0	9.9	2.5	12.4	2438	72467	Yes	0.24	8.24	44
800632	CD	OH	3371	48	11	4	5.7	0.0	9.4	0.5	15.1	0.5	15.6	2022	79355	Yes	-0.15	9.95	59
800631	CD	OH	2067	36	4	2	5.4	0.2	6.2	0.4	11.6	0.6	12.2	392	65639	Yes	-0.22	7.08	60
800539	WD	Hybrid	1297	3	26	5	2.4	0.1	1.9	2.6	4.3	2.7	7.0	642	86196	Yes	-0.68	6.72	16
800538	WD	Hybrid	1929	26	24	5	4.0	1.7	5.6	2.2	9.6	3.9	13.5	266	103621	Yes	-0.03	7.27	31
800537	WD	Hybrid	1017	3	17	1	1.0	2.8	0.2	2.7	1.2	5.5	6.7	1044	56810	Yes	0.39	6.49	5
800536	WD	Hybrid	1145	14	9	4	2.1	0.1	2.8	0.8	4.9	0.9	5.8	136	39463	Yes	1.19	7.39	25
800535	WD	Hybrid	1746	31	11	2	3.1	0.2	4.8	0.4	7.9	0.6	8.5	191	34372	Yes	-0.14	6.66	32
800534	WD	OH	1547	16	1	2	2.4	0.1	5.4	0.1	7.8	0.2	8.0	447	87015	Yes	0.16	6.06	38
800533	WD	Hybrid	1125	6	19	0	2.1	0.9	1.9	2.3	4.0	3.2	7.2	156	23341	Yes	-0.46	6.64	17
800532	WD	Hybrid	1998	0	14	1	0.4	1.1	0.2	3.2	0.6	4.3	4.9	213	51645	Yes	-0.23	3.87	8
800531	WD	Hybrid	918	9	7	0	1.5	0.2	1.0	0.6	2.5	0.8	3.3	196	31657	Yes	-0.11	5.59	10
800448	CD	Hybrid	1081	17	6	1	2.3	1.9	3.4	0.5	5.7	2.4	8.1	2938	232339	Yes	-0.21	4.59	37
800447	CD	UG	159	1	2	0	0.0	1.9	0.0	0.2	0.0	2.1	2.1	31	3221	Yes	-0.39	4.61	3
800446	CD	UG	140	0	4	0	0.0	1.7	0.0	0.3	0.0	2.0	2.0	0	0	Yes	-0.16	5.14	0
800445	CD	Hybrid	1258	7	15	2	1.0	3.7	1.3	1.6	2.3	5.3	7.6	42	4861	Yes	-0.12	5.48	8
800444	CD	Hybrid	880	6	20	1	1.5	3.2	0.4	3.9	1.9	7.1	9.0	74	12429	Yes	1.34	8.04	10
800443	CD	Hybrid	808	6	5	2	1.3	1.8	1.0	0.4	2.3	2.2	4.5	29	5475	Yes	-1.39	4.31	7
800442	CD	Hybrid	1214	30	2	4	2.9	0.7	8.1	0.7	11.0	1.4	12.4	2293	171418	Yes	-0.23	7.37	78
800441	CD	UG	647	0	3	0	0.0	2.9	0.0	0.6	0.0	3.5	3.5	1	59	Yes	-0.22	1.78	1
800440	CD	Hybrid	1004	22	5	5	1.5	2.0	5.9	1.1	7.4	3.1	10.5	1513	180910	Yes	-0.37	6.13	55
800439	CD	UG	1	0	0	0	0.0	3.2	0.0	0.0	0.0	3.2	3.2	0	0	Yes	0.89	3.79	0
800438	CD	UG	1	0	0	0	0.0	0.4	0.0	0.0	0.0	0.4	0.4	0	0	Yes	0.07	2.37	0
800437	CD	Hybrid	695	13	3	0	1.5	0.4	1.3	0.2	2.8	0.6	3.4	717	18215	Yes	-0.02	1.78	13
800436	CD	Hybrid	1219	23	8	12	3.8	0.4	6.5	2.8	10.3	3.2	13.5	360	70084	Yes	-0.38	7.72	72
800435	CD	Hybrid	1505	26	7	1	2.0	0.5	4.2	0.4	6.2	0.9	7.1	428	127449	Yes	0.36	5.96	34
800434	CD	Hybrid	670	3	9	0	0.7	1.7	0.2	0.4	0.9	2.1	3.0	4	472	Yes	0.01	4.01	1
800433	CD	Hybrid	1203	6	6	3	2.5	0.4	1.9	0.6	4.4	1.0	5.4	198	19758	Yes	-0.14	5.26	21

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
800432	CD	Hybrid	1406	13	17	4	2.1	0.3	2.4	0.7	4.5	1.0	5.5	215	28350	Yes	-0.06	6.04	16
800431	CD	Hybrid	1504	29	8	4	3.4	0.7	7.5	0.6	10.9	1.3	12.2	1898	62595	Yes	-0.52	8.08	63
800336	CD	Hybrid	1216	11	2	2	2.5	0.5	2.0	0.1	4.5	0.6	5.1	637	79329	Yes	-0.09	3.51	45
800335	CD	Hybrid	2181	21	21	3	5.6	1.1	3.7	0.9	9.3	2.0	11.3	3563	171005	Yes	-0.55	8.15	27
800334	CD	Hybrid	1774	6	27	4	2.2	3.2	0.9	4.0	3.1	7.2	10.3	276	46389	Yes	-0.61	7.99	21
800333	CD	Hybrid	1860	26	7	4	4.1	0.5	6.9	0.7	11.0	1.2	12.2	2106	146205	Yes	-0.07	8.63	78
800332	CD	Hybrid	920	11	23	5	2.4	2.2	2.5	4.5	4.9	6.7	11.6	1821	234738	Yes	0.42	8.02	44
800331	CD	OH	1107	27	0	0	1.8	0.3	5.6	0.0	7.4	0.3	7.7	344	63417	Yes	-3.51	3.89	51
800249	CD	UG	0	0	0	0	0.0	1.9	0.0	0.0	0.0	1.9	1.9	0	0	Yes	-0.38	0.02	0
800248	CD	Hybrid	882	5	9	1	0.7	3.7	3.5	3.7	4.2	7.4	11.6	5028	385886	Yes	-0.96	5.14	45
800247	CD	UG	878	0	2	1	0.0	3.1	0.1	0.5	0.1	3.6	3.7	2	110	Yes	-0.52	4.88	2
800246	CD	Hybrid	544	6	16	3	1.4	3.3	1.1	1.7	2.5	5.0	7.5	314	22484	Yes	-0.11	3.69	6
800245	CD	UG	1896	0	14	0	0.0	3.9	0.0	1.3	0.0	5.2	5.2	54	1566	Yes	-0.89	7.41	1
800244	CD	UG	660	0	11	3	0.0	4.7	0.1	2.8	0.1	7.5	7.6	1	364	Yes	-0.39	4.31	1
800243	CD	UG	1127	0	13	1	0.0	5.8	0.1	2.0	0.1	7.8	7.9	135	42523	Yes	0.28	3.18	5
800242	CD	UG	333	0	7	0	0.0	3.2	0.0	0.7	0.0	3.9	3.9	53	27317	Yes	0.33	3.63	2
800241	CD	UG	1665	0	9	0	0.0	2.8	0.0	1.6	0.0	4.4	4.4	1	246	Yes	-0.13	3.47	1
800240	CD	UG	68	0	7	1	0.0	2.3	0.2	4.6	0.2	6.9	7.1	1	172	Yes	-0.01	2.59	1
800239	CD	UG	192	0	9	0	0.0	3.5	0.0	0.5	0.0	4.0	4.0	93	14310	Yes	-0.10	3.40	5
800238	CD	Hybrid	737	0	11	1	0.8	3.4	0.1	0.6	0.9	4.0	4.9	2403	53951	Yes	-0.15	3.15	11
800237	CD	UG	696	0	2	0	0.0	4.3	0.0	0.3	0.0	4.6	4.6	0	0	Yes	0.36	3.26	0
800234	CD	UG	1104	0	16	0	0.0	5.5	0.0	0.6	0.0	6.1	6.1	104	8399	Yes	0.67	3.07	3
800233	CD	UG	942	0	8	2	0.0	3.4	0.0	0.9	0.0	4.3	4.3	154	17409	Yes	-1.91	3.89	5
800232	CD	Hybrid	2114	1	16	2	1.4	1.7	0.2	1.7	1.6	3.4	5.0	344	54667	Yes	-0.16	6.74	15
800231	CD	Hybrid	2483	2	20	0	2.0	1.5	0.1	0.8	2.1	2.3	4.4	2641	112568	Yes	0.10	5.60	13
800199	CD	UG	72	0	1	0	0.0	0.1	0.0	1.7	0.0	1.8	1.8	1	141	No	#N/A	#N/A	1
800198	CD	UG	91	0	1	0	0.0	0.1	0.0	1.8	0.0	1.9	1.9	0	0	No	#N/A	#N/A	0
800197	CD	UG	474	0	1	0	0.0	0.0	0.0	0.4	0.0	0.4	0.4	0	0	No	#N/A	#N/A	0
800147	CD	UG	3	0	0	0	0.0	3.8	0.0	0.0	0.0	3.8	3.8	0	0	Yes	0.46	3.76	0
800146	CD	UG	0	0	0	0	0.0	1.4	0.0	0.0	0.0	1.4	1.4	0	0	Yes	0.24	4.24	0
800140	CD	OH	0	0	0	0	0.0	0.0	0.2	0.0	0.2	0.0	0.2	1	31	No	#N/A	#N/A	1
800138	CD	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	-1.20	0.00	0
800137	CD	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	-1.20	0.00	0
800134	CD	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53	8321	No	#N/A	#N/A	1
800132	CD	UG	0	0	0	0	0.0	0.8	0.0	0.0	0.0	0.8	0.8	6	674	No	#N/A	#N/A	3
709832	NB	UG	0	0	0	0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0	0	Yes	0.04	9.14	0
709831	NB	UG	0	0	0	0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0	0	No	0.01	0.11	0
709731	SB	Hybrid	1	0	0	0	0.5	1.0	0.0	0.0	0.5	1.0	1.5	0	0	Yes	0.01	1.81	0
709433	NB	Hybrid	206	0	19	0	1.4	1.4	0.0	2.0	1.4	3.4	4.8	88	30131	Yes	-0.02	3.48	7
709432	NB	Hybrid	365	5	18	3	2.3	0.7	1.0	3.2	3.3	3.9	7.2	314	8797	Yes	0.09	5.49	8
709431	NB	Hybrid	295	5	28	2	2.8	0.3	0.6	3.4	3.4	3.7	7.1	6	1293	Yes	0.07	8.37	6

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
709362	CB	Hybrid	1796	8	16	5	2.3	5.9	4.3	1.6	6.6	7.5	14.1	155	30328	Yes	-0.66	6.64	22
709361	CB	UG	1313	0	4	0	0.0	7.8	0.0	1.4	0.0	9.2	9.2	0	0	Yes	-1.71	6.39	0
709265	CB	UG	755	0	3	0	0.0	5.2	0.0	0.2	0.0	5.4	5.4	0	0	Yes	0.25	4.35	0
709264	CB	UG	709	0	4	0	0.0	9.2	0.0	0.3	0.0	9.5	9.5	2	2032	Yes	0.47	5.67	2
709263	CB	Hybrid	1511	13	5	8	1.2	2.0	4.0	2.3	5.2	4.3	9.5	542	108899	Yes	0.27	5.37	39
709262	CB	Hybrid	2657	28	10	5	4.1	0.7	8.8	1.0	12.9	1.7	14.6	3244	146871	Yes	-0.37	8.43	69
709261	CB	Hybrid	864	4	18	0	1.0	9.2	0.2	2.8	1.2	12.0	13.2	381	16967	Yes	-0.64	7.56	6
709164	CB	UG	16	0	0	0	0.0	2.0	0.0	0.0	0.0	2.0	2.0	0	0	Yes	-0.77	2.43	0
709163	CB	UG	9	0	0	0	0.0	2.6	0.0	0.0	0.0	2.6	2.6	0	0	Yes	-0.87	2.33	0
709162	CB	Hybrid	20	2	7	1	0.9	0.6	0.3	1.4	1.2	2.0	3.2	47	2071	Yes	-0.14	1.96	5
709161	CB	UG	33	0	2	0	0.0	5.1	0.0	0.5	0.0	5.6	5.6	0	0	Yes	0.08	5.68	0
709032	CB	UG	10	0	0	0	0.0	4.0	0.0	0.0	0.0	4.0	4.0	0	0	Yes	-0.08	6.02	0
709031	CB	UG	12	0	1	0	0.0	4.1	0.0	0.3	0.0	4.4	4.4	0	0	Yes	-0.24	3.06	0
708933	CB	Hybrid	214	0	12	0	0.9	0.2	0.1	0.5	1.0	0.7	1.7	68	14426	Yes	-0.09	6.51	3
708932	CB	Hybrid	1220	25	14	3	3.9	0.9	5.1	2.3	9.0	3.2	12.2	1519	85782	Yes	0.22	5.62	49
708931	CB	UG	1	0	0	0	0.0	1.2	0.0	0.0	0.0	1.2	1.2	0	0	Yes	-0.12	3.78	0
708562	SB	UG	1351	0	23	0	0.8	4.7	0.0	15.3	0.8	20.0	20.8	309	66733	Yes	-0.25	7.65	10
708561	SB	Hybrid	1129	4	32	0	3.6	1.5	0.6	15.2	4.2	16.7	20.9	424	12579	Yes	0.58	6.68	2
708434	NB	Hybrid	1029	12	24	2	3.6	1.3	3.3	8.1	6.9	9.4	16.3	190	24694	Yes	6.88	6.88	15
708433	NB	Hybrid	1780	1	42	0	2.4	2.3	0.0	9.9	2.4	12.2	14.6	47	11494	Yes	-0.51	7.79	5
708432	NB	Hybrid	1358	1	21	1	2.3	2.9	0.5	9.2	2.8	12.1	14.9	240	36094	Yes	-5.42	5.48	16
708431	NB	Hybrid	2021	1	36	0	1.4	2.8	0.1	15.4	1.5	18.2	19.7	2	30	Yes	0.08	8.18	1
708163	SB	Hybrid	1512	3	40	0	4.9	2.0	0.6	10.6	5.5	12.6	18.1	5408	256783	Yes	1.20	14.50	12
708162	SB	Hybrid	758	1	57	0	2.8	4.5	0.1	11.3	2.9	15.8	18.7	376	20632	Yes	0.72	13.52	19
708161	SB	Hybrid	1708	0	26	0	2.0	0.9	0.0	8.4	2.0	9.3	11.3	165	33052	Yes	0.78	9.88	8
708064	SB	Hybrid	1987	4	34	1	0.9	5.5	1.7	19.6	2.6	25.1	27.7	60	13952	Yes	-1.78	13.92	9
708063	SB	UG	941	0	28	0	0.0	6.1	0.0	10.3	0.0	16.4	16.4	1956	7646	Yes	-0.27	7.23	10
708062	SB	UG	1739	0	27	0	0.0	5.9	0.0	24.1	0.0	30.0	30.0	46	10315	Yes	-0.52	11.88	4
708061	SB	Hybrid	680	8	3	5	4.9	0.2	13.8	3.8	18.7	4.0	22.7	1292	80758	Yes	0.32	5.42	45
707934	CB	Hybrid	975	12	13	1	1.9	0.4	5.4	1.8	7.3	2.2	9.5	2123	81873	Yes	0.27	6.37	37
707933	CB	Hybrid	322	3	0	0	0.8	0.4	0.6	0.0	1.4	0.4	1.8	47	12912	Yes	1.30	3.10	4
707932	CB	Hybrid	1273	14	11	2	2.7	0.1	2.3	1.8	5.0	1.9	6.9	2728	145927	Yes	-0.30	4.00	22
707931	CB	Hybrid	552	12	28	4	4.6	0.3	2.4	2.5	7.0	2.8	9.8	1183	34847	Yes	-0.14	6.66	12
707864	NB	UG	1330	0	28	0	0.0	5.9	0.0	21.8	0.0	27.7	27.7	1132	43760	Yes	0.47	6.07	3
707863	NB	UG	2614	0	56	0	0.0	8.1	0.0	29.9	0.0	38.0	38.0	2828	187900	Yes	0.46	12.86	23
707862	NB	UG	1750	0	50	0	0.4	10.1	0.0	32.0	0.4	42.1	42.5	145	21596	Yes	-0.73	13.07	11
707861	NB	UG	1899	0	49	0	0.0	6.8	0.0	23.8	0.0	30.6	30.6	203	41723	Yes	-0.53	13.47	13
707736	NB	Hybrid	143	0	20	0	1.1	0.9	0.1	4.2	1.2	5.1	6.3	19	2366	Yes	-1.58	6.32	7
707735	NB	UG	1	0	0	0	0.0	0.8	0.0	0.0	0.0	0.8	0.8	1	231	Yes	-0.34	8.46	1
707734	NB	UG	1	0	2	0	0.0	0.5	0.0	0.0	0.0	0.5	0.5	0	0	Yes	0.11	2.11	0
707733	NB	UG	0	0	0	0	0.0	0.8	0.0	0.0	0.0	0.8	0.8	0	0	Yes	3.75	5.45	0

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707732	NB	Hybrid	1740	4	36	0	2.4	0.3	0.4	7.2	2.8	7.5	10.3	158	24518	Yes	-0.88	8.52	7
707731	NB	Hybrid	1763	2	46	1	2.6	0.1	0.6	9.3	3.2	9.4	12.6	1939	43948	Yes	-0.15	5.85	15
707665	SB	UG	1452	1	26	1	0.5	3.4	0.1	12.1	0.6	15.5	16.1	92	23105	Yes	-0.55	7.35	8
707664	SB	UG	1918	2	49	1	0.7	7.5	0.3	17.4	1.0	24.9	25.9	7690	266855	Yes	0.51	13.91	14
707663	SB	Hybrid	2474	0	36	0	1.4	2.3	0.0	22.0	1.4	24.3	25.7	1052	54779	Yes	0.06	11.96	16
707662	SB	Hybrid	1956	0	26	0	1.5	2.4	0.0	17.7	1.5	20.1	21.6	1180	50861	Yes	0.99	10.99	19
707661	SB	Hybrid	744	13	13	5	4.6	0.4	6.0	8.6	10.6	9.0	19.6	3942	104557	Yes	0.38	5.78	25
707534	CB	Hybrid	1844	15	15	10	2.7	1.4	7.8	6.5	10.5	7.9	18.4	491	77574	Yes	6.84	6.84	46
707533	CB	Hybrid	271	7	11	2	2.5	0.5	1.2	0.8	3.7	1.3	5.0	522	59404	Yes	-6.73	3.47	21
707532	CB	Hybrid	1471	13	34	6	3.3	0.7	2.1	6.3	5.4	7.0	12.4	1683	163159	Yes	-0.03	7.77	20
707531	CB	UG	185	0	17	0	0.2	2.6	0.0	3.5	0.2	6.1	6.3	1	846	Yes	-0.01	5.09	1
707466	CB	UG	5	0	0	0	0.2	4.5	0.0	0.0	0.2	4.5	4.7	0	0	Yes	0.56	0.56	0
707465	CB	UG	0	0	0	0	0.0	2.1	0.0	0.0	0.0	2.1	2.1	0	0	Yes	0.30	0.30	0
707464	CB	Hybrid	863	2	40	1	2.6	2.3	0.4	9.6	3.0	11.9	14.9	28	6862	Yes	0.33	14.63	10
707463	CB	Hybrid	65	1	26	0	1.1	2.7	0.0	3.8	1.1	6.5	7.6	0	0	Yes	-0.50	5.20	0
707462	CB	Hybrid	1135	0	51	0	2.8	1.7	0.0	11.0	2.8	12.7	15.5	146	20149	Yes	0.59	16.19	14
707461	CB	UG	2	0	0	0	0.0	2.7	0.0	0.0	0.0	2.7	2.7	0	0	Yes	0.37	3.87	0
707267	SB	Hybrid	3626	8	40	0	3.6	1.5	6.2	14.7	9.8	16.2	26.0	289	63955	Yes	-0.96	11.94	44
707266	SB	Hybrid	1663	1	15	0	3.2	0.4	0.4	9.5	3.6	9.9	13.5	922	112452	Yes	0.40	6.20	14
707265	SB	Hybrid	3067	0	38	0	2.3	2.9	0.1	17.7	2.4	20.6	23.0	5228	179185	Yes	1.02	12.02	19
707264	SB	Hybrid	1464	0	74	0	6.1	2.1	0.0	10.9	6.1	13.0	19.1	1301	72397	Yes	-0.78	18.22	10
707263	SB	Hybrid	3248	16	57	2	4.8	5.3	4.5	27.1	9.3	32.4	41.7	3453	347151	Yes	-0.52	15.78	42
707262	SB	Hybrid	2340	0	27	0	1.8	4.1	0.0	20.0	1.8	24.1	25.9	2546	144424	Yes	0.94	11.74	35
707261	SB	Hybrid	2219	0	27	0	3.0	2.5	0.0	19.4	3.0	21.9	24.9	1487	152681	Yes	0.23	9.93	22
707136	NB	UG	1	0	0	0	0.0	0.7	0.0	0.0	0.0	0.7	0.7	0	0	Yes	-0.13	4.87	0
707135	NB	Hybrid	1695	5	30	1	1.1	5.1	1.7	15.6	2.8	20.7	23.5	1852	114471	Yes	-0.33	7.87	12
707134	NB	Hybrid	11	0	2	0	0.5	0.8	0.0	2.7	0.5	3.5	4.0	0	0	Yes	-0.04	0.26	0
707133	NB	UG	1091	0	14	0	0.0	3.6	0.0	10.1	0.0	13.7	13.7	2	117	Yes	-0.24	5.06	2
707132	NB	Hybrid	1549	0	25	0	2.4	1.0	0.4	4.9	2.8	5.9	8.7	1375	70317	Yes	0.09	5.49	11
707131	NB	UG	2132	0	34	0	0.0	4.8	0.0	15.4	0.0	20.2	20.2	2083	82103	Yes	0.03	9.13	4
707034	SB	Hybrid	1435	0	23	0	2.1	0.9	0.0	11.5	2.1	12.4	14.5	837	38503	Yes	0.05	6.55	24
707033	SB	Hybrid	1128	7	24	2	3.5	0.6	1.4	6.3	4.9	6.9	11.8	416	60133	Yes	0.22	7.12	29
707032	SB	Hybrid	1511	3	41	4	4.8	1.2	2.6	12.2	7.4	13.4	20.8	782	44994	Yes	-0.10	8.60	24
707031	SB	Hybrid	1881	0	12	0	2.3	1.3	0.0	13.6	2.3	14.9	17.2	589	93744	Yes	-0.22	6.88	32
706964	SB	Hybrid	2468	5	48	4	11.0	2.5	3.4	20.2	14.4	22.7	37.1	2613	148806	Yes	-0.37	13.43	22
706963	SB	UG	1884	0	27	0	0.5	2.3	0.0	14.1	0.5	16.4	16.9	260	33702	Yes	-0.01	9.69	15
706962	SB	Hybrid	1059	0	19	0	1.8	3.4	0.0	12.7	1.8	16.1	17.9	159	32362	Yes	-0.11	6.09	10
706961	SB	Hybrid	1957	7	42	1	6.3	1.7	3.6	20.1	9.9	21.8	31.7	6576	253886	Yes	-2.30	12.40	25
706865	NB	Hybrid	2265	0	31	0	1.9	2.5	0.2	8.6	2.1	11.1	13.2	4296	96632	Yes	-2.64	7.46	12
706863	NB	Hybrid	3081	8	64	7	5.6	2.1	4.3	20.6	9.9	22.7	32.6	6739	389875	Yes	0.19	14.69	48
706862	NB	Hybrid	959	1	40	2	3.2	0.8	0.4	3.6	3.6	4.4	8.0	2069	35219	Yes	-0.03	4.97	10

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
706861	NB	Hybrid	1248	1	41	0	3.8	1.3	0.2	13.1	4.0	14.4	18.4	337	49259	Yes	0.88	10.48	24
706666	CB	Hybrid	2141	0	35	0	2.3	1.6	0.0	11.7	2.3	13.3	15.6	1125	87252	Yes	-0.19	7.01	13
706665	CB	Hybrid	3918	1	49	1	3.4	10.5	0.3	18.6	3.7	29.1	32.8	292	33183	Yes	-1.10	14.20	13
706664	CB	Hybrid	1490	0	41	0	2.0	4.7	0.0	21.4	2.0	26.1	28.1	3226	213862	Yes	-0.39	11.21	28
706663	CB	Hybrid	2904	11	48	5	5.2	1.8	3.1	14.9	8.3	16.7	25.0	6012	206381	Yes	-0.01	12.39	28
706662	CB	Hybrid	2976	0	39	1	1.6	2.1	0.3	18.6	1.9	20.7	22.6	1716	179510	Yes	-2.36	9.84	26
706661	CB	Hybrid	2453	21	52	8	6.5	0.7	14.7	14.6	21.2	15.3	36.5	330	42081	Yes	-0.10	13.80	35
706535	NB	Hybrid	782	8	3	0	1.2	0.1	3.9	0.5	5.1	0.6	5.7	170	21894	Yes	-0.23	2.67	30
706534	NB	Hybrid	1197	7	9	0	1.7	0.8	2.5	1.3	4.2	2.1	6.3	682	6505	Yes	0.05	3.35	7
706533	NB	Hybrid	444	6	15	2	2.6	0.2	1.4	0.8	4.0	1.0	5.0	470	8078	Yes	-0.20	5.50	12
706532	NB	Hybrid	1525	4	33	6	3.0	0.2	4.0	4.5	7.0	4.7	11.7	1152	125870	Yes	-0.10	8.70	37
706531	NB	Hybrid	805	9	18	2	3.2	1.2	2.8	1.8	6.0	3.0	9.0	3089	109736	Yes	0.20	6.10	14
706465	NB	Hybrid	1212	6	21	6	4.6	1.0	12.1	18.9	16.7	19.9	36.6	1543	52037	Yes	-0.09	9.21	43
706464	NB	Hybrid	1465	1	27	4	2.1	2.6	1.0	12.4	3.1	15.0	18.1	182	28173	Yes	-0.14	9.36	13
706463	NB	Hybrid	1559	9	29	3	2.5	0.5	6.5	12.3	9.0	12.8	21.8	855	34997	Yes	0.11	10.21	19
706462	NB	Hybrid	841	11	29	0	7.3	2.8	3.9	12.9	11.2	15.7	26.9	3995	241383	Yes	-1.72	5.18	40
706461	NB	Hybrid	945	0	13	0	1.3	1.6	0.0	8.4	1.3	10.0	11.3	2	164	Yes	-1.18	4.42	1
706367	SB	Hybrid	1516	0	34	0	1.2	5.4	0.0	15.3	1.2	20.7	21.9	75	16950	Yes	1.10	14.00	11
706366	SB	Hybrid	2	0	5	0	4.8	1.4	0.0	0.9	4.8	2.3	7.1	0	0	Yes	0.92	11.12	0
706365	SB	UG	2373	0	44	0	1.3	4.7	0.0	20.4	1.3	25.1	26.4	16	1809	Yes	-0.09	12.81	5
706364	SB	Hybrid	1375	0	22	0	2.8	1.4	0.0	13.7	2.8	15.1	17.9	340	12867	Yes	-1.20	7.10	14
706363	SB	Hybrid	1350	1	24	1	1.6	4.9	1.8	15.4	3.4	20.3	23.7	64	11234	Yes	0.51	9.31	10
706362	SB	Hybrid	1853	2	37	1	2.9	2.1	0.3	18.7	3.2	20.8	24.0	3724	127649	Yes	0.54	11.34	13
706361	SB	Hybrid	1708	1	37	1	2.0	4.5	0.2	17.6	2.2	22.1	24.3	1794	49059	Yes	-1.84	12.66	11
706266	SB	Hybrid	1770	19	50	8	8.4	3.2	12.0	37.1	20.4	40.3	60.7	6560	376155	Yes	0.17	14.87	57
706265	SB	Hybrid	2536	4	42	2	3.9	3.3	1.7	23.3	5.6	26.6	32.2	2571	16962	Yes	1.38	16.58	10
706264	SB	Hybrid	1718	29	47	9	8.8	3.0	12.0	25.3	20.8	28.3	49.1	9186	221624	Yes	-1.87	15.03	87
706263	SB	Hybrid	2330	5	41	4	3.7	0.6	2.6	16.4	6.3	17.0	23.3	752	92321	Yes	-0.68	9.72	43
706262	SB	Hybrid	3150	16	49	11	6.3	0.1	11.4	24.8	17.7	24.9	42.6	3212	210514	Yes	0.52	16.02	65
706261	SB	Hybrid	2400	4	44	2	5.6	2.2	1.7	13.7	7.3	15.9	23.2	7176	341071	Yes	11.90	11.90	42
706169	SB	Hybrid	3469	0	46	0	3.4	1.0	0.0	12.9	3.4	13.9	17.3	6687	230163	Yes	5.95	5.95	9
706168	SB	Hybrid	1619	2	33	0	3.6	1.8	0.3	9.3	3.9	11.1	15.0	3740	49536	Yes	2.94	12.44	14
706167	SB	Hybrid	2983	9	33	0	1.9	2.1	2.7	17.3	4.6	19.4	24.0	290	54175	Yes	-0.55	11.75	18
706166	SB	Hybrid	1511	0	34	0	2.5	2.2	0.1	7.1	2.6	9.3	11.9	3097	68930	Yes	-0.25	12.45	9
706165	SB	Hybrid	2670	0	30	0	2.5	0.8	0.0	7.0	2.5	7.8	10.3	1004	28990	Yes	-0.23	7.87	9
706164	SB	Hybrid	3045	1	57	1	4.6	0.6	0.4	17.3	5.0	17.9	22.9	188	36516	Yes	-0.07	14.53	15
706163	SB	Hybrid	2649	0	44	1	2.7	1.7	0.1	10.4	2.8	12.1	14.9	6232	296762	Yes	-5.54	9.36	26
706162	SB	Hybrid	2377	0	35	1	2.1	1.9	0.1	10.7	2.2	12.6	14.8	9989	190553	Yes	2.17	12.07	25
706161	SB	Hybrid	3949	0	54	0	3.9	1.8	0.0	14.0	3.9	15.8	19.7	6048	109300	Yes	-0.33	9.07	16
706069	CB	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	#N/A	#N/A	#N/A	0
706068	CB	UG	51	0	4	0	0.0	6.2	0.0	1.1	0.0	7.3	7.3	0	0	Yes	-0.45	5.95	0

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
706067	CB	Hybrid	3444	0	29	0	1.8	1.7	0.0	10.0	1.8	11.7	13.5	121	10060	Yes	-0.42	6.98	6
706066	CB	Hybrid	1534	5	18	4	2.7	0.2	2.7	11.7	5.4	11.9	17.3	3801	114658	Yes	-0.26	7.64	32
706065	CB	UG	146	0	3	0	0.0	3.0	0.0	0.1	0.0	3.1	3.1	0	0	Yes	-0.48	4.12	0
706064	CB	Hybrid	2413	0	36	1	2.1	0.3	0.0	20.3	2.1	20.6	22.7	638	62306	Yes	-0.01	10.79	16
706063	CB	Hybrid	1355	6	46	0	2.9	3.8	1.6	13.9	4.5	17.7	22.2	2957	62835	Yes	-0.86	11.04	17
706062	CB	Hybrid	3873	20	43	8	5.3	2.1	13.9	15.7	19.2	17.8	37.0	8972	166248	Yes	0.39	17.29	41
706061	CB	UG	191	0	9	0	0.0	4.7	0.0	1.9	0.0	6.6	6.6	0	0	Yes	-0.13	7.67	0
705868	NB	Hybrid	1967	5	34	1	3.0	0.5	1.4	8.8	4.4	9.3	13.7	1199	41091	Yes	-0.82	7.38	21
705867	NB	Hybrid	2044	0	40	0	3.0	1.9	0.0	11.3	3.0	13.2	16.2	1497	106207	Yes	0.12	6.02	13
705866	NB	UG	2068	0	57	0	0.2	7.6	0.0	30.4	0.2	38.0	38.2	241	50420	Yes	0.39	15.59	20
705865	NB	Hybrid	1654	1	27	0	3.6	1.2	0.9	13.6	4.5	14.8	19.3	1898	48165	Yes	-0.63	9.57	19
705864	NB	Hybrid	3581	3	52	0	2.9	4.7	1.6	22.8	4.5	27.5	32.0	8683	388721	Yes	0.32	16.72	30
705863	NB	Hybrid	940	0	11	1	0.5	3.3	2.1	10.5	2.6	13.8	16.4	12	936	Yes	0.08	5.58	7
705862	NB	Hybrid	2941	6	41	1	3.0	0.3	2.9	7.8	5.9	8.1	14.0	1584	127639	Yes	2.03	7.63	37
705861	NB	UG	1169	0	14	0	0.5	2.5	0.0	18.6	0.5	21.1	21.6	117	27258	Yes	-0.23	7.07	8
705768	SB	Hybrid	2553	1	45	1	3.3	0.4	0.1	20.4	3.4	20.8	24.2	333	37785	Yes	-0.34	9.06	15
705767	SB	Hybrid	2333	8	66	1	3.4	11.2	3.6	31.0	7.0	42.2	49.2	2453	231333	Yes	0.16	14.16	15
705766	SB	UG	2673	0	38	0	0.0	7.5	0.0	28.8	0.0	36.3	36.3	110	26390	Yes	-0.85	12.55	10
705765	SB	UG	2356	0	32	0	0.0	5.2	0.0	24.4	0.0	29.6	29.6	362	65521	Yes	-0.53	11.37	23
705764	SB	Hybrid	2494	3	42	0	3.0	5.2	2.9	12.6	5.9	17.8	23.7	224	43336	Yes	-0.30	9.80	11
705763	SB	UG	1511	0	30	0	0.0	6.2	0.0	27.0	0.0	33.2	33.2	110	23624	Yes	-0.11	10.09	12
705762	SB	Hybrid	1884	0	44	1	3.1	1.3	0.4	14.6	3.5	15.9	19.4	979	42276	Yes	0.06	8.26	9
705761	SB	Hybrid	2685	0	37	3	2.8	4.1	0.9	19.6	3.7	23.7	27.4	9071	344999	Yes	1.59	13.29	31
705638	NB	Hybrid	858	1	24	2	1.5	0.5	0.3	5.5	1.8	6.0	7.8	33	5555	Yes	-0.01	5.59	11
705637	NB	Hybrid	849	5	21	5	1.7	0.7	1.1	2.2	2.8	2.9	5.7	9	886	Yes	-0.07	4.83	3
705636	NB	Hybrid	2453	2	31	0	1.9	1.1	0.7	10.3	2.6	11.4	14.0	194	29285	Yes	-0.26	5.94	11
705635	NB	Hybrid	858	6	17	1	2.0	1.2	2.4	6.4	4.4	7.6	12.0	159	32989	Yes	-1.24	3.86	14
705634	NB	Hybrid	3827	0	26	1	2.1	2.1	0.1	16.3	2.2	18.4	20.6	90	22455	Yes	-0.18	8.12	8
705633	NB	Hybrid	1615	1	18	0	1.0	0.9	0.1	12.1	1.1	13.0	14.1	9	1887	Yes	0.12	5.52	5
705632	NB	UG	3542	0	15	0	0.0	2.1	0.0	8.6	0.0	10.7	10.7	233	25362	Yes	-1.70	5.30	4
705631	NB	Hybrid	3007	3	17	0	2.1	1.7	0.7	9.2	2.8	10.9	13.7	901	55266	Yes	-0.82	5.78	10
705566	CB	Hybrid	747	0	1	5	0.0	3.3	2.4	4.7	2.4	8.0	10.4	1001	203414	Yes	-0.03	4.67	52
705565	CB	UG	492	0	9	1	0.0	3.8	0.2	0.7	0.2	4.5	4.7	9	3449	Yes	-0.24	6.46	2
705564	CB	Hybrid	2042	27	6	5	3.0	0.4	7.0	0.9	10.0	1.3	11.3	2588	146826	Yes	-0.21	6.69	44
705563	CB	UG	118	0	5	0	0.0	5.8	0.0	0.6	0.0	6.4	6.4	3	204	Yes	-0.09	3.91	1
705562	CB	UG	512	0	3	0	0.0	8.0	0.0	0.0	0.0	8.0	8.0	0	0	Yes	1.26	7.06	0
705561	CB	UG	1311	0	11	0	0.0	5.9	0.0	0.9	0.0	6.8	6.8	5	1111	Yes	-0.27	5.63	2
705538	CB	Hybrid	2031	16	22	10	3.0	1.0	2.8	2.0	5.8	3.0	8.8	374	64593	Yes	-0.17	6.13	36
705537	CB	UG	79	0	11	0	0.0	1.9	0.0	0.4	0.0	2.3	2.3	0	0	Yes	-1.28	4.82	0
705536	CB	UG	5	0	0	0	0.0	1.2	0.0	0.0	0.0	1.2	1.2	0	0	Yes	-0.40	0.80	0
705535	CB	UG	342	0	5	0	0.0	2.3	0.0	0.5	0.0	2.8	2.8	1	244	Yes	-2.43	1.67	1

Feeder Specific Data and Attached Laterals

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
705534	CB	UG	180	0	4	0	0.0	1.7	0.0	0.2	0.0	1.9	1.9	0	0	Yes	-2.05	4.25	0
705533	CB	UG	3	0	6	0	0.0	0.7	0.0	0.1	0.0	0.8	0.8	0	0	Yes	-1.92	3.58	0
705532	CB	Hybrid	1161	16	4	7	2.0	0.5	5.3	1.0	7.3	1.5	8.8	189	28060	Yes	0.25	4.95	26
705531	CB	Hybrid	750	12	10	4	1.9	0.5	2.9	0.8	4.8	1.3	6.1	205	43639	Yes	-0.28	4.32	25
705468	NB	Hybrid	3680	0	54	0	3.9	4.3	0.0	28.1	3.9	32.4	36.3	2772	104960	Yes	-0.77	9.73	31
705467	NB	UG	2335	0	17	0	0.0	6.4	0.0	26.6	0.0	33.0	33.0	5072	157393	Yes	0.35	12.55	36
705466	NB	UG	2490	0	26	0	0.6	3.8	0.0	24.5	0.6	28.3	28.9	2805	177537	Yes	-0.31	12.29	36
705465	NB	Hybrid	3350	0	42	0	3.3	0.7	0.1	12.9	3.4	13.6	17.0	3698	124253	Yes	-0.35	6.25	23
705464	NB	Hybrid	3465	0	50	0	3.3	0.7	0.0	15.3	3.3	16.0	19.3	810	88218	Yes	-0.20	9.00	24
705463	NB	UG	2360	0	21	0	0.1	4.9	0.0	19.6	0.1	24.5	24.6	2613	30605	Yes	-0.31	10.69	9
705462	NB	Hybrid	251	0	13	0	0.7	3.1	0.0	1.9	0.7	5.0	5.7	15	4513	Yes	0.04	6.04	3
705461	NB	Hybrid	2734	0	30	1	2.2	2.8	0.4	22.8	2.6	25.6	28.2	142	23968	Yes	0.33	10.93	20
705237	SB	Hybrid	2094	9	30	5	3.9	0.7	4.0	9.9	7.9	10.6	18.5	295	27869	Yes	-1.77	7.83	26
705236	SB	Hybrid	2014	2	48	3	4.5	1.2	0.3	12.6	4.8	13.8	18.6	2150	67799	Yes	-0.37	8.93	15
705235	SB	Hybrid	2613	15	49	8	4.5	0.4	4.9	10.5	9.4	10.9	20.3	1147	61062	Yes	0.00	4.50	39
705234	SB	Hybrid	1822	2	47	2	4.5	0.9	0.5	13.0	5.0	13.9	18.9	351	58674	Yes	0.18	8.28	19
705233	SB	Hybrid	592	12	21	6	3.3	0.6	3.2	3.9	6.5	4.5	11.0	45	6092	Yes	-0.11	3.39	15
705232	SB	Hybrid	975	5	38	2	3.0	0.5	1.8	8.0	4.8	8.5	13.3	1148	35659	Yes	0.20	9.20	15
705231	SB	Hybrid	1333	11	24	3	3.5	0.1	4.5	10.1	8.0	10.2	18.2	1504	40511	Yes	0.06	7.56	26
705166	CB	Hybrid	1409	0	38	0	1.7	3.3	0.0	13.4	1.7	16.7	18.4	1023	77768	Yes	-0.30	12.80	10
705165	CB	Hybrid	793	1	31	2	2.8	1.4	0.4	5.7	3.2	7.1	10.3	4440	71446	Yes	1.74	9.44	22
705164	CB	Hybrid	394	2	8	1	0.8	0.7	1.5	1.9	2.3	2.6	4.9	147	12479	Yes	-0.06	2.64	14
705163	CB	Hybrid	1777	2	43	0	4.0	0.6	0.2	12.9	4.2	13.5	17.7	1543	162029	Yes	-0.54	8.06	49
705162	CB	UG	303	0	12	0	0.0	3.9	0.0	0.6	0.0	4.5	4.5	1	901	Yes	-0.59	9.11	1
705161	CB	Hybrid	2001	12	37	0	4.4	1.9	0.9	9.9	5.3	11.8	17.1	1468	38910	Yes	0.66	12.16	19
704941	NB	Hybrid	1384	2	26	0	2.5	0.4	0.2	9.6	2.7	10.0	12.7	432	61028	Yes	-0.24	7.26	16
704940	NB	Hybrid	2554	5	54	1	4.3	0.9	1.5	12.1	5.8	13.0	18.8	2828	172323	Yes	-0.91	8.69	21
704939	NB	Hybrid	2478	4	31	0	2.2	1.5	2.0	11.9	4.2	13.4	17.6	476	76864	Yes	-0.16	7.04	23
704938	NB	Hybrid	1052	0	9	0	1.3	1.2	0.0	7.1	1.3	8.3	9.6	1315	104036	Yes	1.02	4.02	11
704937	NB	Hybrid	1932	0	38	0	2.8	0.7	0.0	12.0	2.8	12.7	15.5	334	33376	Yes	-1.39	4.71	20
704936	NB	UG	0	0	2	0	0.0	2.7	0.0	0.0	0.0	2.7	2.7	0	0	Yes	-0.04	1.36	0
704935	NB	UG	0	0	1	0	0.0	4.3	0.0	0.0	0.0	4.3	4.3	0	0	Yes	-0.08	1.02	0
704934	NB	Hybrid	2145	0	23	0	1.1	2.1	0.0	11.3	1.1	13.4	14.5	2	934	Yes	-0.86	4.74	2
704933	NB	UG	3690	0	18	0	0.5	2.5	0.0	14.8	0.5	17.3	17.8	5112	105044	Yes	-0.19	3.51	7
704932	NB	Hybrid	3092	0	24	0	1.3	2.4	0.0	11.9	1.3	14.3	15.6	87	16308	Yes	0.29	4.49	5
704931	NB	Hybrid	1746	3	36	0	3.0	0.8	1.4	10.9	4.4	11.7	16.1	59	10199	Yes	0.06	8.66	14
704768	SB	UG	3250	0	49	0	0.8	4.5	0.0	20.5	0.8	25.0	25.8	171	24708	Yes	-2.26	12.14	7
704767	SB	Hybrid	2725	13	47	3	5.1	0.7	5.5	20.7	10.6	21.4	32.0	3943	176648	Yes	-0.73	13.27	45
704766	SB	Hybrid	1831	11	45	6	5.7	0.4	5.8	16.5	11.5	16.9	28.4	4034	326216	Yes	1.03	13.13	41
704765	SB	Hybrid	2421	0	18	0	0.9	2.9	0.0	13.5	0.9	16.4	17.3	4923	103821	Yes	-0.03	8.37	21
704764	SB	Hybrid	1755	1	28	0	2.0	0.3	0.1	15.4	2.1	15.7	17.8	4590	128853	Yes	0.72	9.92	28

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
704763	SB	Hybrid	2559	12	49	6	5.4	0.4	8.0	30.1	13.4	30.5	43.9	7648	256488	Yes	-1.28	15.12	67
704762	SB	Hybrid	1838	0	21	1	2.0	2.2	0.3	12.3	2.3	14.5	16.8	3065	114749	Yes	0.52	12.12	25
704761	SB	Hybrid	2816	53	47	5	8.1	1.1	11.6	18.9	19.7	20.0	39.7	6402	220096	Yes	1.01	17.01	70
704668	CB	Hybrid	2038	0	45	4	3.9	0.5	0.9	11.2	4.8	11.7	16.5	266	50642	Yes	-0.82	9.58	28
704667	CB	Hybrid	2921	1	45	1	2.3	1.0	0.1	15.9	2.4	16.9	19.3	265	37176	Yes	-0.35	9.15	13
704666	CB	Hybrid	1389	3	48	0	3.7	0.2	0.3	8.1	4.0	8.3	12.3	1259	67248	Yes	-0.44	6.66	20
704665	CB	Hybrid	4056	3	69	1	4.4	0.7	0.6	24.7	5.0	25.4	30.4	4985	126102	Yes	0.00	14.90	42
704664	CB	Hybrid	2350	3	33	3	4.0	0.6	1.2	17.2	5.2	17.8	23.0	275	63712	Yes	-0.57	10.83	43
704663	CB	Hybrid	2180	1	27	1	1.6	0.5	0.7	11.9	2.3	12.4	14.7	234	47647	Yes	-0.25	8.25	18
704662	CB	Hybrid	3286	2	48	1	2.4	1.5	0.5	17.6	2.9	19.1	22.0	4401	236369	Yes	0.08	11.78	38
704661	CB	Hybrid	2693	1	41	0	3.1	0.2	0.1	14.7	3.2	14.9	18.1	290	85516	Yes	0.15	9.65	28
704571	NB	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	7.14	7.14	0
704570	NB	Hybrid	3687	0	54	1	5.4	2.1	0.2	16.8	5.6	18.9	24.5	227	51578	Yes	-1.07	8.53	19
704569	NB	Hybrid	2819	0	35	0	3.9	0.4	0.0	12.5	3.9	12.9	16.8	3576	159635	Yes	0.38	7.88	35
704568	NB	Hybrid	1309	0	23	0	1.4	2.5	0.0	11.9	1.4	14.4	15.8	2314	60713	Yes	0.13	8.83	30
704567	NB	UG	1898	0	14	0	0.0	3.9	0.0	13.6	0.0	17.5	17.5	199	50808	Yes	0.39	7.39	14
704566	NB	Hybrid	4087	1	47	1	3.6	1.1	0.1	20.9	3.7	22.0	25.7	5100	194399	Yes	0.58	12.88	32
704565	NB	Hybrid	3615	0	45	0	3.1	0.1	0.0	22.4	3.1	22.5	25.6	572	93946	Yes	-0.19	14.21	50
704564	NB	Hybrid	2344	0	87	0	5.7	1.4	0.2	17.5	5.9	18.9	24.8	242	38972	Yes	1.47	16.87	26
704563	NB	Hybrid	2086	0	50	0	3.4	0.4	0.0	14.7	3.4	15.1	18.5	1654	70230	Yes	0.02	8.22	38
704562	NB	UG	1219	0	16	0	0.8	4.5	0.0	14.8	0.8	19.3	20.1	2057	17535	Yes	-0.34	9.36	14
704561	NB	Hybrid	3776	0	40	0	2.0	1.7	0.0	21.8	2.0	23.5	25.5	10146	258618	Yes	-0.10	11.20	36
704465	NB	Hybrid	1755	21	12	2	2.6	1.8	5.1	2.1	7.7	3.9	11.6	93	14171	Yes	-1.12	5.18	22
704464	NB	Hybrid	3148	11	31	7	2.1	4.1	2.6	2.5	4.7	6.6	11.3	71	8078	Yes	0.09	6.69	15
704463	NB	Hybrid	2734	34	36	4	6.3	0.7	11.4	5.9	17.7	6.6	24.3	2677	228375	Yes	0.19	14.19	93
704462	NB	UG	76	0	4	0	0.0	1.5	0.0	0.1	0.0	1.6	1.6	3	210	Yes	-0.08	2.72	1
704461	NB	UG	8	0	1	0	0.0	1.4	0.0	0.1	0.0	1.5	1.5	0	0	Yes	-0.01	0.59	0
704266	SB	UG	1064	0	67	0	0.0	8.3	0.0	9.8	0.0	18.1	18.1	1095	80636	Yes	2.70	16.70	5
704265	SB	UG	1912	0	32	0	0.0	5.3	0.0	17.3	0.0	22.6	22.6	1962	159688	Yes	0.95	10.05	11
704264	SB	Hybrid	1810	43	23	3	8.9	2.9	22.1	13.6	31.0	16.5	47.5	5709	138653	Yes	-4.28	6.62	81
704263	SB	UG	771	0	42	1	0.8	4.7	0.2	14.9	1.0	19.6	20.6	1588	78798	Yes	-0.25	12.35	6
704262	SB	Hybrid	1330	26	40	2	5.9	4.8	11.2	23.6	17.1	28.4	45.5	2044	124439	Yes	1.06	11.96	69
704261	SB	Hybrid	2283	41	48	5	8.9	1.7	10.6	19.0	19.5	20.7	40.2	1161	91099	Yes	-0.52	13.18	62
704162	SB	UG	1917	0	9	0	0.0	6.5	0.0	1.0	0.0	7.5	7.5	110	9084	Yes	0.94	6.24	3
704161	SB	UG	1259	0	6	0	0.0	5.7	0.0	1.1	0.0	6.8	6.8	65	3055	Yes	-0.20	6.90	1
704136	SB	Hybrid	1037	13	4	2	2.5	1.5	4.9	0.3	7.4	1.8	9.2	247	38118	Yes	-3.33	4.87	31
704135	SB	Hybrid	2648	14	26	3	3.2	0.8	4.1	1.1	7.3	1.9	9.2	935	133444	Yes	-0.39	7.51	45
704134	SB	Hybrid	2090	13	10	4	3.8	1.0	3.5	0.8	7.3	1.8	9.1	4427	189966	Yes	-0.12	7.08	36
704133	SB	Hybrid	1507	21	13	5	4.1	0.3	5.7	2.1	9.8	2.4	12.2	293	50478	Yes	-0.88	7.32	54
704132	SB	OH	2399	16	7	8	2.6	0.0	5.3	0.4	7.9	0.4	8.3	1050	107334	Yes	-0.16	6.44	35
704131	SB	Hybrid	1980	16	13	9	3.8	0.5	6.5	1.0	10.3	1.5	11.8	4962	79984	Yes	-3.82	5.88	42

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
704070	CB	Hybrid	791	3	17	0	2.3	0.7	0.9	2.0	3.2	2.7	5.9	1002	110079	Yes	-0.14	3.56	19
704069	CB	Hybrid	1639	1	21	1	2.5	0.5	0.1	11.4	2.6	11.9	14.5	92	13855	Yes	-0.10	2.00	6
704068	CB	UG	1	0	0	0	0.0	0.6	0.0	0.0	0.0	0.6	0.6	0	0	Yes	-0.30	5.20	0
704067	CB	Hybrid	1637	22	24	3	3.3	0.3	6.1	2.2	9.4	2.5	11.9	1848	53140	Yes	-0.01	6.19	31
704066	CB	Hybrid	2827	0	23	1	1.3	2.2	0.3	15.3	1.6	17.5	19.1	458	61398	Yes	0.19	8.99	20
704065	CB	UG	0	0	0	0	0.0	0.5	0.0	0.0	0.0	0.5	0.5	0	0	Yes	-0.13	0.07	0
704064	CB	Hybrid	1841	0	28	1	1.1	3.2	0.2	18.4	1.3	21.6	22.9	608	79684	Yes	-0.42	9.88	22
704063	CB	Hybrid	4886	12	35	4	4.1	0.5	6.7	13.3	10.8	13.8	24.6	11446	574566	Yes	0.02	11.62	43
704062	CB	Hybrid	2782	14	12	10	3.8	0.3	8.8	5.9	12.6	6.2	18.8	499	71908	Yes	-0.17	9.43	51
704061	CB	Hybrid	2339	1	26	0	1.5	1.7	0.1	8.0	1.6	9.7	11.3	190	16467	Yes	-3.29	7.51	12
704033	CB	Hybrid	792	1	18	0	1.6	0.1	0.3	3.0	1.9	3.1	5.0	846	44681	Yes	-0.04	4.36	11
704032	CB	Hybrid	3292	23	32	0	4.5	2.0	8.8	6.8	13.3	8.8	22.1	601	73802	Yes	-0.55	10.25	42
703962	NB	UG	2072	0	28	0	1.0	3.0	0.0	17.0	1.0	20.0	21.0	1966	149535	Yes	2.21	13.01	10
703961	NB	UG	1636	0	27	0	0.0	2.8	0.0	22.7	0.0	25.5	25.5	894	41302	Yes	-3.36	5.14	15
703937	NB	Hybrid	1611	0	63	1	4.3	0.1	0.4	9.2	4.7	9.3	14.0	167	33882	Yes	0.10	8.90	15
703936	NB	Hybrid	336	0	31	2	2.1	1.6	0.2	4.1	2.3	5.7	8.0	180	33593	Yes	-0.13	10.47	12
703935	NB	Hybrid	2000	0	37	0	3.2	0.3	0.0	13.2	3.2	13.5	16.7	108	22637	Yes	-0.46	7.74	12
703934	NB	Hybrid	262	0	21	0	3.1	1.3	0.0	2.9	3.1	4.2	7.3	40	9937	Yes	0.10	5.20	12
703933	NB	Hybrid	991	0	14	0	0.9	0.9	0.0	6.0	0.9	6.9	7.8	2124	165651	Yes	-0.18	7.02	18
703932	NB	Hybrid	1764	0	27	0	2.2	0.4	0.0	11.9	2.2	12.3	14.5	1295	101398	Yes	-0.48	6.52	30
703931	NB	Hybrid	881	6	31	2	3.6	0.0	1.0	10.8	4.6	10.8	15.4	116	14728	Yes	-0.15	5.55	30
703835	SB	Hybrid	708	8	24	2	2.2	0.4	3.7	2.2	5.9	2.6	8.5	123	20126	Yes	-0.12	9.28	20
703834	SB	Hybrid	543	3	4	2	1.4	1.1	2.7	3.2	4.1	4.3	8.4	1358	88181	Yes	-0.18	3.32	44
703833	SB	Hybrid	1265	11	18	1	2.4	0.1	2.0	5.1	4.4	5.2	9.6	370	65840	Yes	0.05	4.75	35
703832	SB	Hybrid	1533	27	13	6	3.1	0.0	6.6	0.8	9.7	0.8	10.5	480	81203	Yes	-0.06	5.94	24
703831	SB	Hybrid	2446	23	25	12	4.1	0.3	5.8	3.4	9.9	3.7	13.6	437	92682	Yes	-0.28	9.42	36
703739	NB	Hybrid	1403	3	34	0	2.1	1.0	0.2	6.2	2.3	7.2	9.5	721	17934	Yes	0.08	5.18	8
703738	NB	Hybrid	285	5	18	3	2.8	0.2	1.0	1.5	3.8	1.7	5.5	874	3664	Yes	0.11	5.41	9
703737	NB	UG	0	0	0	0	0.0	1.5	0.0	0.0	0.0	1.5	1.5	0	0	Yes	-0.30	6.30	0
703736	NB	UG	1	0	0	0	0.0	1.5	0.0	0.0	0.0	1.5	1.5	0	0	Yes	0.38	2.78	0
703735	NB	Hybrid	334	3	17	2	2.2	2.0	1.2	1.2	3.4	3.2	6.6	80	8972	Yes	-0.06	3.54	6
703734	NB	Hybrid	1168	1	36	0	3.9	0.2	0.2	7.6	4.1	7.8	11.9	4	322	Yes	0.75	7.65	3
703733	NB	Hybrid	2067	1	47	1	2.8	1.3	0.2	7.0	3.0	8.3	11.3	3091	199639	Yes	-0.09	7.51	26
703732	NB	Hybrid	369	7	22	3	2.9	0.1	1.1	1.8	4.0	1.9	5.9	390	11251	Yes	0.10	5.50	11
703731	NB	Hybrid	1226	7	15	5	2.1	1.5	3.7	4.8	5.8	6.3	12.1	896	52936	Yes	-0.39	5.11	20
703640	NB	Hybrid	1376	1	22	0	2.5	0.5	0.0	8.2	2.5	8.7	11.2	62	9052	Yes	0.46	4.86	7
703639	NB	Hybrid	437	5	27	2	2.4	0.9	1.5	2.6	3.9	3.5	7.4	480	13851	Yes	-0.19	5.71	9
703638	NB	Hybrid	1202	3	36	3	3.2	0.8	2.3	6.1	5.5	6.9	12.4	170	39383	Yes	-0.03	9.37	14
703637	NB	Hybrid	211	1	21	1	1.8	0.3	0.2	2.1	2.0	2.4	4.4	75	14124	Yes	-0.04	3.76	6
703636	NB	Hybrid	2143	1	28	0	2.4	1.8	0.2	11.7	2.6	13.5	16.1	1618	103110	Yes	-0.46	6.34	25
703635	NB	Hybrid	801	12	17	1	2.7	0.8	3.0	2.2	5.7	3.0	8.7	75	14646	Yes	-0.11	3.49	10

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
703634	NB	Hybrid	2861	2	21	1	3.3	3.1	0.9	10.8	4.2	13.9	18.1	48	10778	Yes	-0.37	6.73	3
703633	NB	Hybrid	324	0	36	1	2.2	0.3	0.7	4.2	2.9	4.5	7.4	30	3356	Yes	0.40	6.70	7
703632	NB	Hybrid	2871	0	21	0	1.1	1.6	0.0	16.5	1.1	18.1	19.2	455	88528	Yes	-0.64	7.26	29
703631	NB	Hybrid	1080	8	23	1	2.6	0.6	1.2	4.3	3.8	4.9	8.7	247	25932	Yes	-0.40	6.80	13
703543	NB	Hybrid	1154	7	20	2	2.6	1.6	1.8	6.5	4.4	8.1	12.5	824	56583	Yes	-0.75	7.95	25
703542	NB	Hybrid	3163	17	33	8	4.7	0.4	8.6	8.1	13.3	8.5	21.8	459	45241	Yes	-0.11	6.99	43
703541	NB	Hybrid	1076	9	21	2	2.8	1.0	2.6	3.5	5.4	4.5	9.9	1922	82501	Yes	0.02	5.12	24
703540	NB	Hybrid	2265	20	23	4	2.3	1.3	7.5	1.5	9.8	2.8	12.6	432	83714	Yes	-0.78	6.12	32
703539	NB	Hybrid	52	0	7	0	1.3	0.8	0.0	0.6	1.3	1.4	2.7	2	241	Yes	0.04	1.04	2
703538	NB	Hybrid	1251	3	31	0	3.0	1.8	0.6	9.4	3.6	11.2	14.8	337	59444	Yes	-3.03	7.17	15
703537	NB	Hybrid	1951	16	15	3	4.0	0.1	8.5	2.4	12.5	2.5	15.0	322	66060	Yes	0.27	8.97	43
703536	NB	Hybrid	2489	19	21	9	2.4	2.0	6.6	3.1	9.0	5.1	14.1	2712	112984	Yes	0.23	7.83	32
703535	NB	Hybrid	1762	6	19	6	1.1	1.6	2.0	2.3	3.1	3.9	7.0	1846	66994	Yes	-0.16	4.34	9
703534	NB	Hybrid	2726	9	22	0	2.4	1.2	1.5	7.4	3.9	8.6	12.5	46	7097	Yes	2.01	5.21	11
703533	NB	Hybrid	1736	10	28	7	2.3	0.1	3.4	4.0	5.7	4.1	9.8	351	54001	Yes	0.01	5.21	17
703532	NB	Hybrid	586	8	3	0	1.7	0.1	2.7	0.3	4.4	0.4	4.8	224	35854	Yes	0.03	3.13	27
703531	NB	Hybrid	1824	11	31	8	3.1	0.0	5.1	2.4	8.2	2.4	10.6	1139	65089	Yes	0.14	7.54	36
703438	SB	UG	1	0	2	0	0.0	2.2	0.0	0.0	0.0	2.2	2.2	0	0	Yes	0.00	1.10	0
703437	SB	UG	1	0	6	0	0.0	2.0	0.0	0.1	0.0	2.1	2.1	0	0	Yes	-0.50	5.50	0
703436	SB	Hybrid	1047	10	12	0	2.1	1.8	3.6	5.7	5.7	7.5	13.2	251	35058	Yes	-0.52	4.98	31
703435	SB	Hybrid	1797	27	30	7	4.9	0.5	6.9	7.5	11.8	8.0	19.8	4038	179993	Yes	-0.86	7.14	33
703434	SB	Hybrid	645	9	17	2	2.2	1.8	3.7	3.5	5.9	5.3	11.2	101	34123	Yes	0.53	5.23	13
703433	SB	Hybrid	973	11	15	1	3.2	0.1	3.9	1.1	7.1	1.2	8.3	448	52202	Yes	-0.33	6.77	32
703432	SB	Hybrid	1926	25	8	3	3.8	0.2	7.9	3.7	11.7	3.9	15.6	389	76058	Yes	-0.15	8.05	55
703431	SB	Hybrid	1859	27	18	7	3.6	0.4	8.8	2.5	12.4	2.9	15.3	1558	168540	Yes	-0.10	8.10	66
703238	CB	Hybrid	1937	4	22	0	1.5	0.6	1.3	7.7	2.8	8.3	11.1	220	49474	Yes	-0.16	5.44	5
703237	CB	Hybrid	3578	1	68	2	4.3	0.9	0.3	22.0	4.6	22.9	27.5	2149	115254	Yes	0.79	8.99	23
703236	CB	Hybrid	2220	1	31	0	1.5	2.1	0.0	11.8	1.5	13.9	15.4	139	27724	Yes	0.16	7.86	8
703235	CB	Hybrid	2149	1	35	0	2.8	0.9	0.1	14.1	2.9	15.0	17.9	382	56509	Yes	-0.38	6.82	20
703234	CB	UG	3000	0	16	0	0.0	1.7	0.0	8.4	0.0	10.1	10.1	217	84298	Yes	-0.26	5.14	4
703233	CB	Hybrid	1731	0	19	0	1.3	0.5	0.0	7.2	1.3	7.7	9.0	1430	110215	Yes	0.01	4.51	11
703232	CB	Hybrid	1623	18	14	1	3.7	0.9	4.2	3.3	7.9	4.2	12.1	1413	54142	Yes	-0.06	6.24	22
703231	CB	Hybrid	1591	1	29	1	1.4	1.9	0.3	17.1	1.7	19.0	20.7	2015	149699	Yes	-0.20	7.30	14
703137	SB	Hybrid	175	4	23	1	1.6	2.5	0.4	3.1	2.0	5.6	7.6	353	17243	Yes	-0.13	5.17	4
703136	SB	Hybrid	356	3	28	4	1.8	0.3	0.9	2.9	2.7	3.2	5.9	875	44128	Yes	-0.04	7.86	7
703135	SB	Hybrid	780	1	7	1	0.9	2.2	0.5	3.0	1.4	5.2	6.6	843	8670	Yes	-0.10	4.50	7
703134	SB	Hybrid	558	2	29	1	1.7	2.9	1.1	4.0	2.8	6.9	9.7	85	14123	Yes	-0.20	5.20	7
703133	SB	Hybrid	1606	3	27	0	2.5	0.2	0.5	10.9	3.0	11.1	14.1	201	22686	Yes	0.26	5.36	9
703132	SB	Hybrid	1264	3	28	4	1.9	0.7	1.1	10.3	3.0	11.0	14.0	591	55549	Yes	-0.25	7.05	34
703131	SB	Hybrid	735	5	12	1	1.0	0.1	0.5	7.2	1.5	7.3	8.8	137	36700	Yes	-0.64	3.76	24
703037	CB	Hybrid	284	6	18	3	2.2	0.3	2.0	1.9	4.2	2.2	6.4	775	13028	Yes	0.05	5.55	12

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
703036	CB	Hybrid	1852	29	8	2	4.3	1.0	8.7	0.9	13.0	1.9	14.9	1400	145708	Yes	0.14	6.04	54
703035	CB	Hybrid	933	36	5	1	2.9	0.2	6.3	0.8	9.2	1.0	10.2	1248	80998	Yes	0.09	4.79	59
703034	CB	Hybrid	1230	33	2	1	2.9	0.2	8.2	0.6	11.1	0.8	11.9	2567	101746	Yes	-0.17	4.93	78
703033	CB	Hybrid	933	19	3	3	2.6	0.3	6.0	0.5	8.6	0.8	9.4	1401	78842	Yes	-0.03	5.57	42
703032	CB	Hybrid	1263	21	7	4	3.2	0.1	7.6	0.6	10.8	0.7	11.5	2405	193253	Yes	-0.04	6.96	76
703031	CB	Hybrid	1407	26	10	0	3.1	0.4	6.3	1.4	9.4	1.8	11.2	217	38954	Yes	-0.06	4.34	42
702939	NB	Hybrid	2338	1	26	0	2.0	0.4	0.2	9.6	2.2	10.0	12.2	2640	139859	Yes	0.45	5.45	18
702938	NB	Hybrid	1983	14	30	2	4.6	0.8	2.6	14.3	7.2	15.1	22.3	390	58099	Yes	-0.20	7.60	41
702937	NB	Hybrid	1214	12	19	4	2.0	0.8	3.3	4.0	5.3	4.8	10.1	783	25489	Yes	-0.28	5.62	26
702936	NB	Hybrid	881	0	20	0	1.7	0.2	0.1	7.0	1.8	7.2	9.0	680	55868	Yes	-0.11	4.59	17
702935	NB	Hybrid	1747	6	31	0	3.1	0.1	1.8	10.5	4.9	10.6	15.5	1273	133778	Yes	0.25	7.75	45
702934	NB	Hybrid	2409	4	24	2	3.9	0.1	2.2	14.8	6.1	14.9	21.0	3065	70604	Yes	-0.05	7.35	31
702933	NB	Hybrid	1367	13	24	5	3.7	0.7	4.2	3.8	7.9	4.5	12.4	2051	158354	Yes	0.81	9.11	26
702932	NB	Hybrid	1547	0	21	3	1.7	0.5	1.3	8.3	3.0	8.8	11.8	240	65935	Yes	0.18	6.98	17
702931	NB	Hybrid	1812	7	15	0	1.6	0.1	2.1	3.9	3.7	4.0	7.7	186	35017	Yes	-0.08	4.22	13
702837	SB	Hybrid	1426	14	28	2	5.4	1.2	5.4	5.4	10.8	6.6	17.4	450	119318	Yes	0.09	8.19	36
702836	SB	Hybrid	2313	12	18	0	2.6	0.7	5.1	7.1	7.7	7.8	15.5	713	123992	Yes	-0.03	7.67	51
702835	SB	Hybrid	2311	1	35	1	3.2	0.7	0.3	8.9	3.5	9.6	13.1	2391	116271	Yes	0.11	7.51	7
702834	SB	Hybrid	2105	4	32	1	2.7	0.0	1.3	13.3	4.0	13.3	17.3	378	66009	Yes	-0.02	8.08	28
702833	SB	Hybrid	1445	0	46	0	4.2	0.3	0.0	6.8	4.2	7.1	11.3	153	16468	Yes	-0.44	7.16	10
702832	SB	Hybrid	2361	0	22	0	1.7	0.0	0.0	10.4	1.7	10.4	12.1	2468	97955	Yes	-0.12	4.98	4
702831	SB	Hybrid	2530	5	33	2	2.9	1.6	1.3	14.3	4.2	15.9	20.1	2661	106654	Yes	0.26	9.76	18
702741	CB	Hybrid	3723	6	38	0	2.5	0.2	2.2	10.3	4.7	10.5	15.2	2387	111094	Yes	-0.04	7.76	21
702740	CB	Hybrid	2307	3	21	2	1.8	0.7	2.1	6.9	3.9	7.6	11.5	199	47113	Yes	-0.15	6.25	19
702739	CB	Hybrid	1609	0	26	2	1.6	0.2	0.4	5.1	2.0	5.3	7.3	290	96510	Yes	-0.33	4.07	17
702738	CB	Hybrid	632	10	6	2	1.9	1.2	3.8	0.2	5.7	1.4	7.1	267	41218	Yes	0.14	3.84	28
702737	CB	Hybrid	1384	2	19	2	2.8	0.4	2.0	3.3	4.8	3.7	8.5	1950	121853	Yes	-0.91	4.59	21
702736	CB	Hybrid	2307	15	20	2	3.4	0.7	8.3	3.9	11.7	4.6	16.3	1010	168891	Yes	-0.72	7.48	54
702735	CB	Hybrid	2979	1	22	4	1.9	0.2	1.6	7.6	3.5	7.8	11.3	3197	119719	Yes	0.10	7.50	31
702734	CB	Hybrid	2308	3	23	0	1.9	0.4	0.6	5.3	2.5	5.7	8.2	139	14569	Yes	0.75	5.05	8
702733	CB	Hybrid	1733	17	6	1	3.4	0.3	6.9	1.3	10.3	1.6	11.9	3930	176457	Yes	0.06	6.66	29
702732	CB	Hybrid	2243	14	16	2	2.6	0.0	6.3	4.0	8.9	4.0	12.9	525	84989	Yes	-0.06	7.24	53
702731	CB	Hybrid	1645	1	31	1	2.7	0.9	0.4	3.5	3.1	4.4	7.5	262	38803	Yes	-0.67	5.33	15
702639	NB	Hybrid	1144	16	15	3	2.9	0.3	4.2	1.5	7.1	1.8	8.9	172	25898	Yes	-0.43	6.07	18
702638	NB	Hybrid	1026	14	22	5	3.0	1.2	3.9	1.9	6.9	3.1	10.0	1263	79663	Yes	-0.71	5.39	20
702637	NB	Hybrid	1402	21	9	9	3.6	0.3	5.7	0.9	9.3	1.2	10.5	520	103416	Yes	0.15	6.45	61
702636	NB	Hybrid	1552	4	20	3	2.9	0.4	2.6	3.8	5.5	4.2	9.7	256	33236	Yes	-0.17	5.03	18
702635	NB	Hybrid	1420	14	15	2	3.6	0.2	7.0	2.5	10.6	2.7	13.3	288	57482	Yes	0.02	7.12	41
702634	NB	Hybrid	1620	10	26	6	2.8	2.7	3.4	2.7	6.2	5.4	11.6	351	59595	Yes	0.33	7.03	23
702633	NB	Hybrid	1882	12	17	4	2.1	1.4	2.7	4.7	4.8	6.1	10.9	1711	96640	Yes	-0.08	7.22	23
702632	NB	Hybrid	946	21	15	4	3.7	0.2	5.5	2.0	9.2	2.2	11.4	414	77112	Yes	-0.06	5.84	56

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
702631	NB	Hybrid	2568	14	18	3	3.1	2.6	3.3	1.8	6.4	4.4	10.8	126	44175	Yes	-1.37	6.43	24
702538	SB	UG	1	0	0	0	0.0	2.4	0.0	0.0	0.0	2.4	2.4	0	0	Yes	0.11	4.61	0
702537	SB	Hybrid	1086	2	23	0	1.9	1.0	0.1	2.4	2.0	3.4	5.4	533	8732	Yes	-0.27	6.23	5
702536	SB	Hybrid	1196	1	35	0	2.8	0.3	0.2	5.3	3.0	5.6	8.6	1354	21031	Yes	-0.44	7.06	12
702535	SB	Hybrid	2429	6	39	1	2.2	3.0	1.2	17.0	3.4	20.0	23.4	200	44163	Yes	0.63	9.33	18
702534	SB	Hybrid	1990	2	45	2	3.2	1.1	0.3	10.6	3.5	11.7	15.2	46	3414	Yes	0.24	9.04	2
702533	SB	Hybrid	609	1	17	0	2.2	0.1	0.1	5.5	2.3	5.6	7.9	133	29241	Yes	-0.26	5.94	11
702532	SB	Hybrid	66	0	26	1	1.2	2.4	0.6	4.0	1.8	6.4	8.2	7	1104	Yes	0.89	10.09	3
702531	SB	Hybrid	1706	5	33	1	2.6	1.4	0.8	12.9	3.4	14.3	17.7	445	88753	Yes	0.33	5.93	30
702438	SB	Hybrid	813	0	16	0	0.9	1.9	0.0	3.3	0.9	5.2	6.1	730	33114	Yes	0.63	3.43	1
702437	SB	Hybrid	1962	22	3	4	4.1	0.0	12.0	0.9	16.1	0.9	17.0	941	190350	Yes	0.21	8.11	85
702436	SB	UG	1023	0	9	0	0.0	2.5	0.0	1.0	0.0	3.5	3.5	197	7880	Yes	-0.02	7.08	1
702435	SB	Hybrid	2400	5	27	6	3.0	0.8	3.3	5.1	6.3	5.9	12.2	3714	117075	Yes	-0.60	8.20	22
702434	SB	Hybrid	2582	12	36	7	6.0	0.1	4.1	6.2	10.1	6.3	16.4	1647	140396	Yes	-0.23	7.87	44
702433	SB	Hybrid	1231	10	10	4	2.1	0.2	5.9	2.3	8.0	2.5	10.5	263	25913	Yes	-0.39	5.41	27
702432	SB	Hybrid	2195	6	15	2	2.1	1.4	1.1	9.2	3.2	10.6	13.8	202	40014	Yes	0.59	6.69	12
702431	SB	Hybrid	1868	27	8	3	3.1	0.0	6.8	1.8	9.9	1.8	11.7	1268	85604	Yes	-0.02	5.98	37
702263	NB	UG	1694	0	22	0	0.5	3.4	0.0	14.9	0.5	18.3	18.8	995	132686	Yes	-1.10	7.10	39
702262	NB	Hybrid	1723	0	43	0	2.4	2.6	0.0	11.9	2.4	14.5	16.9	182	67213	Yes	-0.15	9.45	9
702261	NB	Hybrid	1452	0	43	0	2.3	1.0	0.0	8.7	2.3	9.7	12.0	316	45706	Yes	-1.02	7.48	17
702240	NB	Hybrid	2228	0	30	0	1.5	2.7	0.0	12.8	1.5	15.5	17.0	35	3397	Yes	-0.22	7.98	6
702239	NB	Hybrid	825	0	12	0	0.8	0.9	0.0	5.9	0.8	6.8	7.6	81	10817	Yes	-0.65	2.85	7
702238	NB	Hybrid	2201	0	42	0	3.1	1.9	0.0	12.5	3.1	14.4	17.5	4801	320473	Yes	-0.47	7.83	18
702237	NB	Hybrid	2376	1	38	0	3.0	0.2	0.1	14.3	3.1	14.5	17.6	5467	208919	Yes	0.33	7.03	32
702236	NB	Hybrid	1382	0	25	1	2.0	1.4	0.3	6.1	2.3	7.5	9.8	1446	117940	Yes	0.21	6.51	8
702235	NB	Hybrid	1087	7	18	6	2.8	1.0	2.9	3.4	5.7	4.4	10.1	369	56482	Yes	0.02	6.32	22
702234	NB	Hybrid	1561	6	39	0	4.0	0.2	2.0	10.7	6.0	10.9	16.9	1911	67530	Yes	-0.30	7.50	30
702233	NB	Hybrid	1994	14	18	4	2.7	0.1	4.6	8.1	7.3	8.2	15.5	306	68302	Yes	-0.63	7.97	28
702232	NB	Hybrid	1610	0	23	0	2.1	0.6	0.0	11.5	2.1	12.1	14.2	1928	57856	Yes	-0.16	5.94	15
702231	NB	Hybrid	1792	37	8	2	4.3	0.1	10.9	1.3	15.2	1.4	16.6	1139	80777	Yes	0.73	8.63	59
702140	NB	Hybrid	1473	0	11	0	1.3	1.4	0.0	8.4	1.3	9.8	11.1	61	7999	Yes	-0.27	2.73	2
702139	NB	Hybrid	165	1	44	0	2.2	0.0	0.0	3.0	2.2	3.0	5.2	27	6211	Yes	-0.01	7.19	7
702138	NB	Hybrid	262	3	10	1	1.4	0.8	1.6	2.2	3.0	3.0	6.0	606	34974	Yes	-0.61	6.39	13
702137	NB	Hybrid	354	5	27	0	2.9	1.4	0.7	1.2	3.6	2.6	6.2	39	4452	Yes	0.04	4.64	10
702136	NB	Hybrid	237	0	21	1	1.7	1.5	0.2	1.9	1.9	3.4	5.3	0	0	Yes	-0.09	4.61	0
702135	NB	Hybrid	201	0	27	0	2.5	0.4	0.1	1.5	2.6	1.9	4.5	13	1223	Yes	-1.11	4.19	7
702134	NB	Hybrid	186	1	30	2	1.8	1.0	0.2	1.8	2.0	2.8	4.8	495	10920	Yes	0.52	7.92	8
702133	NB	Hybrid	259	1	57	2	2.6	0.1	0.4	2.0	3.0	2.1	5.1	31	3872	Yes	0.06	5.46	12
702132	NB	Hybrid	330	1	17	1	1.9	0.6	0.2	2.2	2.1	2.8	4.9	665	26864	Yes	0.08	2.78	4
702131	NB	Hybrid	2132	3	23	0	3.1	0.1	0.3	5.6	3.4	5.7	9.1	364	34545	Yes	-0.09	7.51	10
702038	SB	Hybrid	2068	4	43	1	2.4	3.3	0.6	13.2	3.0	16.5	19.5	48	9365	Yes	-0.37	8.03	8

Feeder Specific Data and Attached Laterals

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
702037	SB	Hybrid	2062	35	4	7	4.2	0.5	11.0	1.5	15.2	2.0	17.2	4076	254516	Yes	-0.39	9.11	74
702036	SB	Hybrid	1468	4	6	7	2.2	0.8	3.2	6.9	5.4	7.7	13.1	283	42722	Yes	0.17	6.97	25
702035	SB	Hybrid	2340	10	35	8	3.0	1.0	2.2	9.4	5.2	10.4	15.6	328	54399	Yes	0.36	9.46	34
702034	SB	Hybrid	1662	26	11	1	4.3	1.5	6.7	3.8	11.0	5.3	16.3	2087	62107	Yes	-0.50	7.00	45
702033	SB	Hybrid	1198	1	25	2	1.7	1.0	1.0	7.1	2.7	8.1	10.8	63	8855	Yes	-0.49	5.41	15
702032	SB	Hybrid	1760	22	13	4	3.5	0.2	4.9	3.2	8.4	3.4	11.8	123	18324	Yes	-0.23	6.07	34
702031	SB	Hybrid	846	3	26	2	2.4	1.0	1.6	4.8	4.0	5.8	9.8	122	15823	Yes	-0.05	7.25	11
701940	CB	Hybrid	1069	7	14	2	1.6	0.3	4.1	1.5	5.7	1.8	7.5	173	29561	Yes	-0.23	4.67	31
701939	CB	Hybrid	2245	14	23	4	4.2	0.4	3.9	1.2	8.1	1.6	9.7	2747	107209	Yes	-0.40	6.90	36
701938	CB	OH	1523	12	2	4	2.6	0.3	6.9	0.1	9.5	0.4	9.9	3493	340800	Yes	-0.11	4.79	44
701937	CB	Hybrid	1052	17	1	5	2.4	1.0	4.5	0.5	6.9	1.5	8.4	739	75089	Yes	0.02	2.72	35
701936	CB	Hybrid	1523	8	22	4	2.1	1.5	2.4	1.4	4.5	2.9	7.4	1603	110028	Yes	0.32	5.32	19
701935	CB	Hybrid	1865	14	22	2	2.8	1.3	2.7	3.7	5.5	5.0	10.5	12147	497817	Yes	-0.60	5.20	46
701934	CB	Hybrid	851	10	7	2	2.0	0.6	4.7	0.4	6.7	1.0	7.7	188	24445	Yes	-0.17	7.83	29
701933	CB	Hybrid	1499	8	19	2	1.4	1.1	2.3	1.1	3.7	2.2	5.9	1680	32761	Yes	-0.78	7.32	21
701932	CB	Hybrid	662	2	16	2	2.4	0.6	1.3	0.8	3.7	1.4	5.1	735	7448	Yes	-0.15	2.65	11
701931	CB	Hybrid	1492	8	24	8	3.8	0.3	4.0	1.0	7.8	1.3	9.1	268	40098	Yes	-0.15	7.95	30
701839	CB	Hybrid	1974	23	22	5	5.1	0.2	7.6	4.1	12.7	4.3	17.0	339	53221	Yes	0.32	8.72	37
701838	CB	Hybrid	1637	11	15	3	3.0	0.7	4.5	2.2	7.5	2.9	10.4	249	43127	Yes	-0.75	7.05	30
701837	CB	Hybrid	1748	18	11	2	3.7	0.0	9.1	1.9	12.8	1.9	14.7	713	130459	Yes	-0.15	7.65	58
701836	CB	Hybrid	2015	8	34	0	2.1	0.7	1.3	7.0	3.4	7.7	11.1	388	43131	Yes	-0.12	4.98	19
701835	CB	Hybrid	1268	3	16	1	1.8	0.3	2.5	2.2	4.3	2.5	6.8	216	62504	Yes	0.10	3.70	11
701834	CB	Hybrid	268	6	14	1	1.7	0.3	0.7	1.4	2.4	1.7	4.1	276	1753	Yes	-0.39	3.41	4
701833	CB	Hybrid	2187	9	16	3	3.4	0.0	6.1	2.3	9.5	2.3	11.8	493	76126	Yes	-0.23	8.07	37
701832	CB	Hybrid	2627	9	31	3	3.8	1.5	3.2	7.5	7.0	9.0	16.0	3035	48447	Yes	0.03	8.73	22
701831	CB	Hybrid	2335	21	20	2	3.9	0.2	9.4	5.0	13.3	5.2	18.5	1387	60713	Yes	-0.85	8.15	44
701740	SB	UG	2	0	0	0	0.0	1.8	0.0	0.0	0.0	1.8	1.8	0	0	Yes	0.00	8.30	0
701739	SB	Hybrid	708	3	43	1	3.4	0.1	0.6	3.4	4.0	3.5	7.5	825	51741	Yes	-0.18	4.82	16
701738	SB	Hybrid	1224	4	25	0	2.1	0.5	0.7	8.0	2.8	8.5	11.3	404	57958	Yes	1.00	8.40	26
701737	SB	Hybrid	1931	1	31	1	2.0	0.7	0.5	9.3	2.5	10.0	12.5	263	83275	Yes	-0.36	6.34	23
701736	SB	Hybrid	2418	21	16	2	3.5	0.1	8.6	2.5	12.1	2.6	14.7	7741	390852	Yes	-0.27	9.13	52
701735	SB	Hybrid	996	27	7	3	4.2	0.6	6.1	0.5	10.3	1.1	11.4	180	27700	Yes	-0.40	7.20	43
701734	SB	Hybrid	1389	0	24	1	1.8	0.1	0.2	10.3	2.0	10.4	12.4	1535	82727	Yes	-0.37	7.13	30
701733	SB	Hybrid	1034	28	3	5	3.7	0.4	4.2	0.6	7.9	1.0	8.9	175	24226	Yes	0.01	5.81	29
701732	SB	Hybrid	1086	19	16	1	3.6	0.3	4.5	3.2	8.1	3.5	11.6	473	68346	Yes	-0.03	8.17	32
701731	SB	Hybrid	430	9	4	1	1.4	0.6	2.9	0.4	4.3	1.0	5.3	65	19587	Yes	-0.16	3.54	15
701639	CB	Hybrid	1658	32	13	3	3.6	1.0	9.4	3.0	13.0	4.0	17.0	2080	150009	Yes	-0.06	7.94	60
701638	CB	Hybrid	1772	14	26	3	3.5	0.3	3.1	4.8	6.6	5.1	11.7	4675	93412	Yes	-0.21	6.49	33
701637	CB	Hybrid	1282	9	9	4	4.0	0.2	6.2	1.3	10.2	1.5	11.7	675	120192	Yes	-0.27	4.13	48
701636	CB	Hybrid	1950	23	21	4	4.6	0.2	8.0	4.5	12.6	4.7	17.3	827	118442	Yes	-1.51	6.19	62
701635	CB	OH	2142	28	2	3	4.5	0.1	13.1	0.2	17.6	0.3	17.9	1444	227555	Yes	0.38	9.28	91

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
701634	CB	Hybrid	1011	19	9	4	4.5	0.2	6.9	3.2	11.4	3.4	14.8	1424	103995	Yes	0.02	7.32	46
701633	CB	Hybrid	1318	16	10	3	5.1	0.1	7.7	5.5	12.8	5.6	18.4	304	70039	Yes	-0.05	7.75	61
701632	CB	Hybrid	1222	37	7	2	4.6	0.3	12.3	0.6	16.9	0.9	17.8	3756	102027	Yes	-0.30	7.80	74
701631	CB	Hybrid	432	7	11	3	2.2	0.2	2.0	1.2	4.2	1.4	5.6	872	72793	Yes	0.15	5.25	19
701538	SB	Hybrid	1746	14	18	2	3.5	0.3	3.2	2.3	6.7	2.6	9.3	373	65767	Yes	-0.27	6.23	37
701537	SB	Hybrid	1105	20	18	1	4.4	1.9	4.3	2.3	8.7	4.2	12.9	1122	75169	Yes	-0.21	4.49	20
701536	SB	Hybrid	2906	10	35	5	3.5	0.4	2.2	8.2	5.7	8.6	14.3	3622	97904	Yes	0.06	7.16	34
701535	SB	Hybrid	1632	30	7	5	4.4	0.2	5.3	0.6	9.7	0.8	10.5	203	28295	Yes	-0.01	6.39	37
701534	SB	Hybrid	1933	28	16	6	3.3	0.6	6.8	1.9	10.1	2.5	12.6	1035	119295	Yes	0.36	7.36	53
701533	SB	Hybrid	1757	17	21	3	4.4	1.0	3.6	3.2	8.0	4.2	12.2	566	75895	Yes	-0.13	8.27	32
701532	SB	Hybrid	1888	10	29	9	4.3	0.8	2.6	6.4	6.9	7.2	14.1	3506	185959	Yes	-0.26	7.44	19
701531	SB	Hybrid	1513	21	11	4	2.7	0.0	3.5	2.4	6.2	2.4	8.6	249	37003	Yes	0.31	5.71	30
701437	CB	Hybrid	77	1	22	2	0.9	2.4	0.6	3.6	1.5	6.0	7.5	2	602	Yes	-0.08	4.02	2
701436	CB	Hybrid	412	9	13	5	1.8	1.2	2.4	1.6	4.2	2.8	7.0	62	11084	Yes	-0.07	3.63	9
701435	CB	UG	31	1	11	0	0.0	4.7	0.0	1.8	0.0	6.5	6.5	32	1363	Yes	-0.71	5.39	1
701434	CB	Hybrid	93	0	12	2	1.6	3.9	0.2	2.1	1.8	6.0	7.8	3	746	Yes	-1.01	1.59	3
701433	CB	Hybrid	102	8	17	1	2.5	0.1	0.4	0.9	2.9	1.0	3.9	124	25442	Yes	0.42	4.82	9
701432	CB	Hybrid	242	1	9	5	2.1	2.1	1.7	1.9	3.8	4.0	7.8	1166	134406	Yes	-0.13	4.27	21
701431	CB	Hybrid	552	7	19	1	2.0	1.6	0.8	2.0	2.8	3.6	6.4	573	34541	Yes	-1.42	7.38	14
701236	CB	Hybrid	133	2	5	0	0.6	2.9	0.1	0.3	0.7	3.2	3.9	0	0	Yes	-0.01	1.89	0
701235	CB	Hybrid	1607	6	20	9	1.9	0.4	2.7	7.5	4.6	7.9	12.5	181	29496	Yes	0.16	6.96	20
701234	CB	Hybrid	1631	6	19	3	2.0	0.4	3.5	8.6	5.5	9.0	14.5	305	43769	Yes	-0.21	6.99	15
701233	CB	Hybrid	2494	41	18	4	5.5	0.2	9.8	4.2	15.3	4.4	19.7	3357	303020	Yes	0.06	5.56	90
701232	CB	Hybrid	906	8	14	2	2.0	1.1	3.2	0.9	5.2	2.0	7.2	996	83067	Yes	1.23	4.83	34
701231	CB	Hybrid	418	5	13	4	2.5	1.9	1.0	1.8	3.5	3.7	7.2	27	8014	Yes	0.15	3.45	3
701165	NB	UG	1252	0	9	0	0.0	2.9	0.0	0.7	0.0	3.6	3.6	0	0	Yes	-0.16	1.94	0
701164	NB	Hybrid	1420	7	18	1	1.1	3.1	1.3	1.1	2.4	4.2	6.6	483	32456	Yes	-0.13	4.27	9
701163	NB	UG	1457	0	10	0	0.0	6.5	0.0	0.3	0.0	6.8	6.8	567	49397	Yes	-0.22	6.58	3
701162	NB	UG	4084	0	19	0	0.0	7.3	0.0	1.2	0.0	8.5	8.5	213	17578	Yes	0.74	8.04	6
701161	NB	Hybrid	1663	6	14	0	0.5	5.2	1.2	0.8	1.7	6.0	7.7	679	33910	Yes	0.29	2.99	2
701141	NB	Hybrid	1356	17	4	0	2.7	0.7	7.6	0.4	10.3	1.1	11.4	330	56683	Yes	0.54	7.34	35
701140	NB	Hybrid	2444	10	27	1	2.8	0.8	3.0	9.1	5.8	9.9	15.7	187	26215	Yes	-0.17	8.03	21
701136	NB	Hybrid	1318	2	20	2	0.7	2.7	1.5	3.8	2.2	6.5	8.7	1491	56283	Yes	0.44	4.94	10
701135	NB	Hybrid	2112	27	10	2	3.6	0.5	8.3	0.9	11.9	1.4	13.3	326	41909	Yes	0.04	6.84	40
701134	NB	Hybrid	1427	0	24	1	1.3	0.2	0.2	2.6	1.5	2.8	4.3	103	8683	Yes	-0.21	6.79	2
701133	NB	Hybrid	1705	11	15	5	2.0	0.2	4.3	3.7	6.3	3.9	10.2	6750	54982	Yes	-0.27	6.23	36
701132	NB	Hybrid	1601	19	4	5	2.3	0.1	8.2	1.3	10.5	1.4	11.9	2043	45086	Yes	0.61	6.71	36
701131	NB	Hybrid	2267	7	24	4	1.7	1.3	5.0	3.7	6.7	5.0	11.7	306	39244	Yes	0.10	5.30	29
701043	NB	Hybrid	1780	8	11	7	2.4	0.2	6.9	3.7	9.3	3.9	13.2	904	149147	Yes	-0.15	7.15	44
701042	NB	Hybrid	1118	16	12	1	1.0	4.0	3.1	1.9	4.1	5.9	10.0	628	99269	Yes	0.08	3.68	27
701041	NB	Hybrid	1012	1	22	1	1.2	2.8	0.4	1.6	1.6	4.4	6.0	1048	17988	Yes	-0.13	2.27	9

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
701040	NB	Hybrid	627	1	7	4	0.4	3.4	0.5	0.9	0.9	4.3	5.2	229	32250	Yes	-0.11	2.39	10
701039	NB	Hybrid	1119	15	7	0	3.3	0.3	3.9	1.1	7.2	1.4	8.6	2489	188371	Yes	-0.07	2.83	44
701038	NB	Hybrid	2563	16	40	4	3.9	0.2	3.6	7.9	7.5	8.1	15.6	1942	212540	Yes	-0.45	7.95	38
701037	NB	OH	1832	31	0	1	3.8	0.4	11.1	0.0	14.9	0.4	15.3	1954	252747	Yes	0.12	7.12	85
701036	NB	Hybrid	805	18	6	4	2.3	0.0	3.5	0.9	5.8	0.9	6.7	136	18527	Yes	-0.18	3.22	18
701035	NB	Hybrid	2296	28	21	4	3.4	0.9	7.8	2.3	11.2	3.2	14.4	204	42555	Yes	-0.19	9.11	42
701034	NB	Hybrid	927	20	9	5	1.7	0.7	5.1	0.8	6.8	1.5	8.3	333	40688	Yes	-0.08	5.52	29
701033	NB	Hybrid	1110	21	19	1	3.2	0.1	5.0	1.0	8.2	1.1	9.3	1194	40181	Yes	1.68	6.28	29
701032	NB	Hybrid	1483	17	14	4	3.5	0.4	5.6	1.7	9.1	2.1	11.2	2528	68174	Yes	-0.80	9.20	32
701031	NB	Hybrid	1888	28	10	1	3.3	1.1	8.4	1.8	11.7	2.9	14.6	346	57620	Yes	0.57	6.97	54
700968	SB	UG	1641	0	17	0	0.0	5.0	0.0	6.4	0.0	11.4	11.4	103	22238	Yes	-0.45	7.75	7
700967	SB	UG	1872	0	11	0	0.0	4.8	0.0	2.7	0.0	7.5	7.5	2560	134556	Yes	-0.04	5.96	9
700966	SB	UG	1943	0	17	0	0.0	3.2	0.0	6.6	0.0	9.8	9.8	6223	174868	Yes	-0.49	7.31	15
700965	SB	UG	1493	0	3	0	0.0	2.9	0.0	0.6	0.0	3.5	3.5	97	15660	Yes	-0.03	2.97	2
700964	SB	UG	2301	0	11	0	0.0	3.1	0.0	1.9	0.0	5.0	5.0	141	20182	Yes	0.60	7.20	4
700963	SB	UG	1553	0	7	0	0.0	3.6	0.0	1.4	0.0	5.0	5.0	499	71949	Yes	1.10	9.70	2
700962	SB	UG	1191	0	9	0	0.0	4.2	0.0	0.7	0.0	4.9	4.9	0	0	Yes	0.06	6.56	0
700961	SB	UG	1970	0	17	0	0.0	3.7	0.0	0.9	0.0	4.6	4.6	486	45529	Yes	0.30	5.00	4
700941	SB	UG	391	1	20	0	0.0	3.6	0.1	9.8	0.1	13.4	13.5	29	10249	Yes	0.64	4.24	12
700938	SB	Hybrid	1883	6	10	7	2.0	1.6	4.7	1.2	6.7	2.8	9.5	200	22747	Yes	5.80	5.80	13
700937	SB	Hybrid	942	0	22	2	1.6	0.0	0.3	2.0	1.9	2.0	3.9	2	174	Yes	-0.28	2.72	1
700936	SB	Hybrid	2330	10	14	5	2.4	0.2	4.1	2.7	6.5	2.9	9.4	420	64284	Yes	0.02	5.12	29
700935	SB	UG	1169	0	4	0	0.0	1.2	0.0	2.4	0.0	3.6	3.6	125	125317	Yes	-0.20	2.10	2
700934	SB	Hybrid	2209	5	29	2	2.2	1.0	2.4	3.6	4.6	4.6	9.2	276	31997	Yes	0.21	5.61	16
700933	SB	Hybrid	1179	1	2	6	0.5	2.8	0.8	0.8	1.3	3.6	4.9	67	11711	Yes	-0.04	2.26	8
700932	SB	Hybrid	1868	3	20	1	2.3	2.2	0.6	4.5	2.9	6.7	9.6	130	26043	Yes	0.13	6.33	12
700931	SB	Hybrid	1825	17	22	5	3.3	0.1	2.5	2.3	5.8	2.4	8.2	396	42938	Yes	-0.55	6.65	24
700844	SB	Hybrid	1658	33	3	1	2.2	1.2	10.6	1.0	12.8	2.2	15.0	704	123465	Yes	0.20	7.30	78
700843	SB	Hybrid	1342	26	1	2	2.6	1.1	6.1	1.1	8.7	2.2	10.9	444	68137	Yes	-0.08	5.62	28
700842	SB	OH	1805	23	4	1	3.5	0.3	8.1	0.2	11.6	0.5	12.1	1954	160326	Yes	-0.05	7.25	71
700841	SB	UG	14	0	2	0	0.0	1.0	0.0	0.5	0.0	1.5	1.5	0	0	Yes	0.26	0.86	0
700840	SB	Hybrid	1403	13	3	4	2.5	0.7	4.4	0.2	6.9	0.9	7.8	191	23503	Yes	0.16	3.86	21
700839	SB	Hybrid	826	9	5	2	2.0	1.5	5.7	1.2	7.7	2.7	10.4	1915	149718	Yes	-0.32	5.68	38
700838	SB	Hybrid	1561	27	4	3	2.1	0.8	7.8	0.4	9.9	1.2	11.1	1391	74552	Yes	-0.10	6.00	54
700837	SB	OH	1730	18	3	2	3.1	0.3	6.9	0.1	10.0	0.4	10.4	2579	202179	Yes	0.00	6.40	64
700836	SB	Hybrid	1294	24	12	4	3.5	1.1	7.0	1.3	10.5	2.4	12.9	1483	132226	Yes	-0.25	6.55	40
700835	SB	Hybrid	1476	14	13	0	2.0	0.1	5.1	2.0	7.1	2.1	9.2	1069	102143	Yes	-0.01	5.09	22
700834	SB	Hybrid	1408	19	3	9	2.6	0.0	6.7	1.0	9.3	1.0	10.3	563	113859	Yes	0.22	5.52	47
700833	SB	Hybrid	1140	22	11	6	3.0	0.0	3.6	1.3	6.6	1.3	7.9	1209	76568	Yes	-0.04	5.56	36
700832	SB	Hybrid	1521	25	5	4	3.4	0.1	6.8	0.6	10.2	0.7	10.9	2812	160424	Yes	-0.16	6.54	68
700831	SB	OH	845	11	0	1	1.6	0.1	5.9	0.0	7.5	0.1	7.6	545	127775	Yes	-0.19	4.91	37

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
700738	CB	Hybrid	1492	17	17	1	3.0	1.5	5.3	5.3	8.3	6.8	15.1	374	55871	Yes	1.04	7.54	40
700737	CB	Hybrid	1132	13	5	3	2.0	0.2	5.6	1.2	7.6	1.4	9.0	1493	129056	Yes	-0.09	4.61	42
700736	CB	Hybrid	1435	35	22	1	5.1	0.9	8.1	1.6	13.2	2.5	15.7	2081	229479	Yes	-0.24	7.96	76
700735	CB	Hybrid	1439	22	12	4	4.0	0.1	7.7	0.6	11.7	0.7	12.4	637	103220	Yes	-0.31	6.79	76
700734	CB	Hybrid	2547	32	9	7	3.8	0.0	9.9	2.5	13.7	2.5	16.2	624	81538	Yes	-0.82	6.48	68
700733	CB	OH	1144	14	7	2	2.6	0.0	8.8	0.6	11.4	0.6	12.0	2774	231872	Yes	0.45	5.45	60
700732	CB	OH	1110	22	7	2	3.1	0.0	7.2	0.3	10.3	0.3	10.6	1632	171593	Yes	0.12	6.12	69
700731	CB	Hybrid	1027	10	1	2	1.8	0.1	5.4	0.3	7.2	0.4	7.6	1334	58986	Yes	-0.13	3.37	43
700642	CB	Hybrid	2906	30	22	3	3.5	0.5	6.1	3.5	9.6	4.0	13.6	2520	154192	Yes	-1.01	6.89	65
700641	CB	Hybrid	1198	10	10	3	2.2	3.5	1.4	0.5	3.6	4.0	7.6	2167	162892	Yes	-0.13	6.17	26
700640	CB	Hybrid	889	2	16	1	1.1	2.9	0.2	0.7	1.3	3.6	4.9	181	35104	Yes	0.43	5.03	9
700639	CB	Hybrid	1749	24	16	5	3.3	0.6	3.8	1.4	7.1	2.0	9.1	2206	264823	Yes	-0.27	6.93	57
700638	CB	UG	14	0	8	0	0.0	3.2	0.0	0.2	0.0	3.4	3.4	0	0	Yes	-0.29	5.61	0
700637	CB	Hybrid	1685	12	28	8	2.3	0.2	4.2	2.2	6.5	2.4	8.9	3888	87066	Yes	-0.18	5.82	41
700636	CB	Hybrid	1802	23	8	7	4.0	0.4	6.8	1.3	10.8	1.7	12.5	1849	208147	Yes	-0.83	7.17	65
700635	CB	OH	1021	30	7	2	3.5	0.0	7.1	0.4	10.6	0.4	11.0	311	68670	Yes	-0.05	5.95	48
700634	CB	Hybrid	1160	18	9	5	2.7	0.2	5.1	0.7	7.8	0.9	8.7	1709	104554	Yes	-0.09	5.51	52
700633	CB	Hybrid	2870	14	29	7	3.5	0.6	3.2	2.3	6.7	2.9	9.6	4635	286989	Yes	-0.11	7.29	44
700632	CB	Hybrid	1129	4	17	7	3.3	0.6	2.9	1.9	6.2	2.5	8.7	1259	111945	Yes	0.04	6.54	16
700631	CB	Hybrid	1442	22	12	3	2.7	0.2	3.3	0.9	6.0	1.1	7.1	385	59940	Yes	-0.38	4.82	39
700539	NB	Hybrid	189	4	11	2	1.8	0.6	0.5	1.5	2.3	2.1	4.4	186	5338	Yes	0.01	1.71	4
700538	NB	Hybrid	24	1	1	0	0.8	0.7	0.2	0.1	1.0	0.8	1.8	0	0	Yes	0.41	2.81	0
700537	NB	Hybrid	953	19	29	8	3.3	0.9	2.9	5.6	6.2	6.5	12.7	139	9049	Yes	-0.20	8.40	18
700536	NB	Hybrid	214	2	17	2	2.7	0.3	0.7	1.7	3.4	2.0	5.4	24	4401	Yes	-0.02	4.08	9
700535	NB	Hybrid	3148	22	18	2	3.6	1.7	6.3	8.8	9.9	10.5	20.4	387	62220	Yes	-0.06	8.34	47
700534	NB	Hybrid	838	11	30	2	3.6	1.7	2.9	4.9	6.5	6.6	13.1	1991	38310	Yes	-0.11	7.69	12
700533	NB	Hybrid	517	8	3	5	2.1	0.1	2.9	1.4	5.0	1.5	6.5	640	22546	Yes	-0.02	3.58	19
700532	NB	Hybrid	909	12	18	2	3.2	1.1	2.9	3.3	6.1	4.4	10.5	469	65389	Yes	0.02	4.72	33
700531	NB	Hybrid	1355	2	19	4	2.4	1.3	2.2	6.8	4.6	8.1	12.7	270	51438	Yes	-0.47	7.43	15
700463	CB	Hybrid	2378	19	25	1	5.4	0.2	5.4	3.0	10.8	3.2	14.0	527	93632	Yes	-0.01	9.99	46
700462	CB	UG	2976	0	18	0	0.0	7.2	0.0	1.8	0.0	9.0	9.0	367	66182	Yes	0.71	9.11	6
700461	CB	Hybrid	767	5	2	2	1.8	0.7	1.8	0.2	3.6	0.9	4.5	2349	145511	Yes	-0.08	2.02	33
700444	CB	Hybrid	1501	18	9	3	2.4	0.7	4.3	1.4	6.7	2.1	8.8	301	44130	Yes	-0.15	4.05	30
700443	CB	OH	1642	23	1	0	3.6	0.3	6.8	0.0	10.4	0.3	10.7	669	107104	Yes	-0.07	5.93	60
700442	CB	Hybrid	455	3	16	0	1.8	2.3	0.1	0.5	1.9	2.8	4.7	13	3092	Yes	-0.10	3.60	6
700441	CB	Hybrid	993	9	16	0	2.0	2.2	3.1	0.5	5.1	2.7	7.8	932	96904	Yes	-0.42	4.68	20
700440	CB	Hybrid	178	2	14	0	0.9	1.8	0.8	0.9	1.7	2.7	4.4	70	9337	Yes	-0.11	1.79	7
700439	CB	Hybrid	1821	26	9	9	2.5	0.3	9.0	1.5	11.5	1.8	13.3	729	100538	Yes	-0.38	7.22	50
700438	CB	Hybrid	1468	18	14	6	3.1	0.3	5.0	0.9	8.1	1.2	9.3	533	59717	Yes	-0.30	5.70	35
700437	CB	Hybrid	1262	10	19	5	3.3	0.4	3.5	1.9	6.8	2.3	9.1	842	58285	Yes	0.20	6.20	25
700436	CB	Hybrid	1412	18	12	2	3.1	0.1	6.9	1.4	10.0	1.5	11.5	428	68238	Yes	0.25	6.45	37

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
700435	CB	Hybrid	763	4	2	2	2.7	1.5	0.8	0.3	3.5	1.8	5.3	2318	62993	Yes	-0.11	2.29	8
700434	CB	Hybrid	1518	26	6	6	2.5	0.1	6.1	1.7	8.6	1.8	10.4	297	46646	Yes	-0.14	5.36	40
700433	CB	Hybrid	1945	26	14	2	2.8	0.1	6.9	1.3	9.7	1.4	11.1	2442	239384	Yes	-0.27	5.83	54
700432	CB	Hybrid	900	11	7	3	1.9	0.5	2.5	0.7	4.4	1.2	5.6	1087	100518	Yes	-1.97	3.03	25
700431	CB	Hybrid	2101	16	27	3	3.5	0.3	4.5	2.6	8.0	2.9	10.9	2856	77690	Yes	0.13	8.23	30
700342	CB	Hybrid	373	0	11	2	0.6	1.8	0.1	0.9	0.7	2.7	3.4	0	0	Yes	-0.68	4.02	0
700341	CB	UG	2	0	0	0	0.0	0.6	0.0	0.0	0.0	0.6	0.6	0	0	Yes	-0.09	4.81	0
700340	CB	UG	5	0	2	0	0.0	2.5	0.0	0.0	0.0	2.5	2.5	10	3083	Yes	-0.35	2.15	4
700339	CB	UG	2	0	0	0	0.0	1.3	0.0	0.0	0.0	1.3	1.3	0	0	Yes	-0.05	2.35	0
700338	CB	Hybrid	314	7	13	2	3.0	0.7	0.5	0.4	3.5	1.1	4.6	44	7327	Yes	0.00	2.90	10
700337	CB	Hybrid	1964	37	17	7	2.8	0.8	9.4	5.0	12.2	5.8	18.0	2607	164308	Yes	0.33	9.43	71
700336	CB	Hybrid	284	3	16	1	1.7	0.8	0.6	1.1	2.3	1.9	4.2	22	2294	Yes	-0.69	4.01	7
700335	CB	Hybrid	1974	23	8	6	3.8	0.8	5.2	0.4	9.0	1.2	10.2	1683	124958	Yes	-0.18	6.22	45
700334	CB	Hybrid	727	14	22	3	5.0	0.4	1.8	1.8	6.8	2.2	9.0	671	60547	Yes	0.60	6.60	28
700333	CB	Hybrid	2036	22	28	2	4.4	0.7	4.0	1.1	8.4	1.8	10.2	3448	246673	Yes	-0.15	4.95	33
700332	CB	Hybrid	629	11	18	4	3.1	0.2	2.2	3.5	5.3	3.7	9.0	2559	89093	Yes	-0.24	7.06	27
700331	CB	Hybrid	1954	15	3	3	2.8	0.1	5.8	2.0	8.6	2.1	10.7	602	160200	Yes	-0.23	5.57	52
700243	SB	UG	725	0	3	0	0.0	1.0	0.0	0.7	0.0	1.7	1.7	0	0	Yes	1.26	2.36	0
700242	SB	UG	1	0	1	0	0.0	1.6	0.0	0.0	0.0	1.6	1.6	0	0	Yes	0.11	4.91	0
700241	SB	UG	0	0	0	0	0.0	2.0	0.0	0.0	0.0	2.0	2.0	0	0	Yes	0.04	0.64	0
700240	SB	Hybrid	2216	14	16	3	3.0	0.7	2.0	6.6	5.0	7.3	12.3	2101	154126	Yes	-0.12	5.78	29
700239	SB	Hybrid	2557	27	37	6	4.3	0.5	3.4	5.1	7.7	5.6	13.3	2877	121753	Yes	-0.58	9.22	45
700238	SB	Hybrid	0	0	0	0	0.1	0.7	0.0	0.0	0.1	0.7	0.8	0	0	Yes	-0.03	1.37	0
700237	SB	Hybrid	1885	7	10	8	2.7	0.6	3.8	1.1	6.5	1.7	8.2	1449	221160	Yes	-0.49	7.21	52
700236	SB	Hybrid	1630	12	11	6	2.4	1.0	2.6	1.1	5.0	2.1	7.1	174	50257	Yes	0.32	4.82	19
700235	SB	Hybrid	1459	22	3	2	2.2	0.2	5.3	0.2	7.5	0.4	7.9	210	42379	Yes	-0.59	4.71	32
700234	SB	Hybrid	1471	13	9	6	1.4	1.9	4.6	0.7	6.0	2.6	8.6	596	98804	Yes	-0.41	7.09	32
700233	SB	Hybrid	924	3	10	2	1.9	0.2	1.3	0.5	3.2	0.7	3.9	977	86184	Yes	-0.45	6.15	9
700232	SB	Hybrid	654	10	9	2	2.5	0.1	1.7	1.1	4.2	1.2	5.4	829	99781	Yes	-0.31	2.79	22
700231	SB	Hybrid	1386	14	12	3	3.2	0.4	3.6	1.1	6.8	1.5	8.3	186	37157	Yes	-0.10	4.40	25
700145	CB	UG	880	0	7	0	0.0	2.6	0.0	1.2	0.0	3.8	3.8	1	200	Yes	-0.92	4.88	1
700144	CB	Hybrid	1377	19	13	8	2.5	0.8	2.6	1.2	5.1	2.0	7.1	1039	53003	Yes	0.24	6.74	23
700143	CB	Hybrid	1941	20	28	4	4.4	1.0	5.9	2.9	10.3	3.9	14.2	1351	104380	Yes	0.33	7.63	35
700142	CB	UG	41	0	6	0	0.0	2.7	0.0	0.5	0.0	3.2	3.2	1	117	Yes	0.56	3.06	1
700141	CB	Hybrid	2111	16	3	2	4.6	0.3	8.6	1.3	13.2	1.6	14.8	4195	322556	Yes	-0.02	7.48	87
700140	CB	UG	21	0	4	1	0.0	2.2	0.1	0.3	0.1	2.5	2.6	1	199	Yes	-0.34	5.46	1
700139	CB	Hybrid	2403	19	8	6	3.9	0.6	13.3	0.4	17.2	1.0	18.2	5270	285753	Yes	-0.21	9.69	123
700138	CB	Hybrid	588	2	15	3	1.4	1.2	0.3	0.9	1.7	2.1	3.8	0	0	Yes	0.79	3.39	0
700137	CB	Hybrid	3092	17	26	18	4.0	1.4	3.9	3.9	7.9	5.3	13.2	471	76687	Yes	-0.25	8.05	36
700136	CB	Hybrid	983	6	23	5	2.1	2.4	1.1	1.0	3.2	3.4	6.6	994	44844	Yes	0.14	3.14	4
700135	CB	Hybrid	2752	10	21	3	2.1	0.6	2.0	1.9	4.1	2.5	6.6	94	17781	Yes	-0.16	7.24	10

Feeder Specific Data and Attached Laterals

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
700134	CB	Hybrid	1356	9	15	8	3.4	1.8	4.4	1.1	7.8	2.9	10.7	4223	495935	Yes	-0.26	7.04	41
700133	CB	Hybrid	1836	36	14	5	2.5	0.3	5.6	1.6	8.1	1.9	10.0	405	52960	Yes	0.11	5.91	38
700132	CB	Hybrid	2128	34	9	6	5.6	0.3	8.4	0.5	14.0	0.8	14.8	3587	223695	Yes	0.20	9.70	73
700131	CB	Hybrid	714	4	17	5	2.4	1.9	2.3	1.1	4.7	3.0	7.7	381	56874	Yes	-0.94	4.66	27
510661	NA	Hybrid	2217	7	27	4	0.4	4.7	4.2	16.8	4.6	21.5	26.1	168	42088	Yes	5.16	5.16	13
510162	TB	UG	162	0	8	0	0.0	5.8	0.0	9.2	0.0	15.0	15.0	24	3101	Yes	0.32	0.82	2
510161	TB	Hybrid	72	0	10	0	4.6	3.4	0.1	6.2	4.7	9.6	14.3	0	0	Yes	0.38	0.98	0
509962	MS	Hybrid	2640	27	51	7	16.7	7.7	21.3	37.3	38.0	45.0	83.0	584	44759	Yes	9.57	9.57	23
509961	MS	Hybrid	485	11	54	3	14.5	2.8	6.0	7.6	20.5	10.4	30.9	35	3183	Yes	6.45	6.45	7
509062	NA	Hybrid	3647	20	33	4	5.0	0.4	9.5	25.5	14.5	25.9	40.4	2237	137892	Yes	1.13	12.63	32
509061	NA	Hybrid	3259	6	62	1	5.9	1.8	5.0	30.1	10.9	31.9	42.8	3454	77793	Yes	0.95	14.65	26
508865	TB	OH	2561	41	27	3	8.7	0.1	84.4	2.8	93.1	2.9	96.0	2039	156239	Yes	13.71	13.71	51
508864	TB	OH	2315	63	2	0	6.5	0.2	48.4	0.4	54.9	0.6	55.5	747	65129	Yes	-0.17	9.23	32
508863	TB	Hybrid	3322	54	17	0	8.1	0.6	62.4	5.0	70.5	5.6	76.1	2988	199525	Yes	0.21	14.21	61
508862	TB	Hybrid	1892	3	28	0	1.8	7.4	11.8	16.5	13.6	23.9	37.5	2028	104187	Yes	-13.44	5.26	6
508861	TB	OH	3282	100	9	7	12.1	0.6	126.5	2.1	138.6	2.7	141.3	2351	336513	Yes	-0.03	13.37	111
508632	MS	UG	430	0	3	0	0.0	2.9	0.0	0.4	0.0	3.3	3.3	1	113	Yes	0.01	1.71	1
508631	MS	UG	663	0	12	1	0.0	3.5	0.1	2.6	0.1	6.1	6.2	0	0	Yes	-0.07	4.63	0
508533	TB	Hybrid	1	0	0	0	0.8	1.0	0.0	0.0	0.8	1.0	1.8	0	0	Yes	0.14	4.64	0
508532	TB	Hybrid	948	20	29	7	4.3	0.1	10.0	3.4	14.3	3.5	17.8	1242	59269	Yes	-0.14	5.66	43
508531	TB	Hybrid	1595	52	12	14	6.5	0.4	10.7	1.1	17.2	1.5	18.7	338	47310	Yes	-0.18	6.32	43
508465	TB	Hybrid	4333	10	56	2	2.2	12.4	2.3	36.7	4.5	49.1	53.6	226	51932	Yes	-0.04	4.56	8
508464	TB	Hybrid	3576	2	54	3	2.2	9.5	1.0	40.6	3.2	50.1	53.3	347	76071	Yes	0.75	14.75	16
508463	TB	Hybrid	2518	58	14	7	13.0	1.5	58.0	5.0	71.0	6.5	77.5	1277	121084	Yes	0.02	10.72	72
508462	TB	Hybrid	3124	45	35	7	11.2	0.4	40.6	10.1	51.8	10.5	62.3	4698	228072	Yes	-0.30	15.00	73
508461	TB	Hybrid	1784	4	31	3	2.9	4.1	1.2	15.1	4.1	19.2	23.3	52	9633	Yes	0.01	8.61	5
508364	NA	Hybrid	3367	0	57	0	4.1	6.9	0.0	42.7	4.1	49.6	53.7	0	0	Yes	8.04	8.04	0
508363	NA	Hybrid	2807	31	31	12	5.3	0.7	14.4	13.0	19.7	13.7	33.4	2884	158409	Yes	0.34	11.04	43
508362	NA	Hybrid	3682	21	49	5	8.5	5.3	17.5	33.8	26.0	39.1	65.1	5981	93763	Yes	0.21	17.01	37
508361	NA	Hybrid	1704	23	14	5	9.0	0.4	10.9	7.5	19.9	7.9	27.8	486	57949	Yes	-0.30	3.00	20
508263	MS	Hybrid	2826	3	45	2	2.5	6.5	1.8	27.2	4.3	33.7	38.0	159	24186	Yes	0.83	10.23	11
508262	MS	Hybrid	3603	40	94	10	14.2	11.0	13.1	59.7	27.3	70.7	98.0	513	71111	Yes	0.55	16.95	61
508261	MS	Hybrid	3354	30	64	4	8.5	2.2	10.3	46.5	18.8	48.7	67.5	1856	205939	Yes	-0.05	17.15	63
508163	MS	Hybrid	3256	3	58	0	5.3	5.3	1.5	37.3	6.8	42.6	49.4	294	42762	Yes	-0.13	14.07	27
508162	MS	Hybrid	2998	52	52	16	18.6	0.3	66.4	39.2	85.0	39.5	124.5	2627	332830	Yes	-0.20	14.50	87
508161	MS	Hybrid	3308	3	52	0	5.1	4.7	0.3	43.0	5.4	47.7	53.1	217	26614	Yes	0.32	9.92	10
508063	TB	Hybrid	2603	38	39	9	14.1	2.2	29.1	12.7	43.2	14.9	58.1	528	65240	Yes	-0.80	11.40	66
508062	TB	Hybrid	1974	25	11	2	3.8	4.9	11.2	2.2	15.0	7.1	22.1	1450	85184	Yes	-1.90	6.00	49
508061	TB	Hybrid	2179	21	21	1	4.7	2.3	14.5	2.6	19.2	4.9	24.1	251	30365	Yes	0.26	7.76	49
507962	TB	Hybrid	3834	156	7	12	24.7	0.4	120.9	12.2	145.6	12.6	158.2	24168	262935	Yes	1.26	14.16	97
507961	TB	Hybrid	3394	51	18	10	13.9	0.1	78.5	14.6	92.4	14.7	107.1	3295	398382	Yes	-0.08	12.32	142

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
507863	TB	Hybrid	1599	58	12	12	14.2	1.9	72.3	6.3	86.5	8.2	94.7	228	32144	Yes	-0.16	4.14	55
507862	TB	Hybrid	1145	21	13	3	5.9	0.3	22.7	5.4	28.6	5.7	34.3	146	22933	Yes	-0.09	2.71	29
507861	TB	UG	6	0	7	0	0.0	0.8	0.0	0.2	0.0	1.0	1.0	0	0	Yes	-0.34	3.66	0
507764	NA	Hybrid	4015	0	34	2	5.4	3.6	1.3	24.2	6.7	27.8	34.5	903	110706	Yes	0.28	8.08	17
507763	NA	Hybrid	4127	14	45	3	4.6	3.9	10.3	25.6	14.9	29.5	44.4	6067	334085	Yes	-1.42	14.38	62
507762	NA	Hybrid	4348	11	65	1	2.7	11.0	5.5	44.6	8.2	55.6	63.8	1349	158700	Yes	-1.45	15.65	28
507761	NA	Hybrid	2333	4	46	2	5.7	1.6	5.7	25.5	11.4	27.1	38.5	2892	278263	Yes	0.92	10.02	27
507665	NA	Hybrid	3264	1	52	3	2.7	1.8	1.1	28.8	3.8	30.6	34.4	3820	371555	Yes	-0.04	9.66	19
507664	NA	Hybrid	3428	6	58	7	5.8	0.6	2.4	26.5	8.2	27.1	35.3	3300	278710	Yes	-0.30	11.00	26
507663	NA	Hybrid	5030	7	66	7	5.4	2.7	2.6	34.3	8.0	37.0	45.0	2814	162354	Yes	-0.35	14.45	29
507662	NA	Hybrid	4624	2	61	7	5.1	1.3	7.1	27.4	12.2	28.7	40.9	4657	134048	Yes	0.80	15.00	51
507661	NA	Hybrid	642	3	29	0	3.0	2.4	1.2	9.4	4.2	11.8	16.0	139	21208	Yes	-0.15	10.55	10
507564	MS	Hybrid	2778	12	49	2	5.0	1.9	5.4	30.7	10.4	32.6	43.0	1203	149375	Yes	-0.05	10.15	43
507563	MS	Hybrid	2897	3	53	0	4.3	7.0	0.2	44.7	4.5	51.7	56.2	3422	261921	Yes	0.19	13.29	17
507562	MS	Hybrid	3370	3	50	9	4.9	1.8	7.6	27.2	12.5	29.0	41.5	2234	139289	Yes	-0.40	10.80	48
507561	MS	Hybrid	3422	74	62	17	22.7	4.0	37.0	47.2	59.7	51.2	110.9	2903	366973	Yes	-0.10	13.60	64
507466	NA	UG	3028	0	79	0	0.4	12.9	0.0	45.5	0.4	58.4	58.8	212	30814	Yes	0.58	17.08	9
507465	NA	Hybrid	111	17	23	0	14.9	3.9	9.7	4.4	24.6	8.3	32.9	283	29437	Yes	0.06	11.36	18
507464	NA	Hybrid	16	2	14	0	7.1	2.2	0.6	0.8	7.7	3.0	10.7	24	12452	Yes	-0.03	6.87	5
507463	NA	Hybrid	399	0	47	1	4.7	6.1	2.7	14.5	7.4	20.6	28.0	6	691	Yes	-0.47	11.63	2
507462	NA	Hybrid	3008	3	50	1	4.4	5.2	2.0	26.9	6.4	32.1	38.5	2380	138324	Yes	-0.52	13.78	19
507461	NA	Hybrid	4120	10	76	4	11.7	10.8	20.3	59.6	32.0	70.4	102.4	4627	597729	Yes	-0.04	14.86	37
507365	NA	OH	1869	162	3	5	23.5	0.9	66.5	1.3	90.0	2.2	92.2	5547	189011	Yes	0.25	9.15	58
507364	NA	Hybrid	2917	125	12	7	17.1	0.9	93.8	9.2	110.9	10.1	121.0	5138	145529	Yes	-0.78	14.82	96
507363	NA	Hybrid	2729	48	41	5	14.0	1.0	40.5	24.5	54.5	25.5	80.0	366	72118	Yes	0.33	13.03	63
507362	NA	Hybrid	6740	14	112	2	9.0	18.5	16.3	71.0	25.3	89.5	114.8	3232	256417	Yes	1.66	20.86	39
507361	NA	OH	2223	101	6	8	12.6	0.2	68.3	1.0	80.9	1.2	82.1	647	79677	Yes	1.11	11.91	83
507266	NA	Hybrid	3781	5	61	6	8.7	6.6	4.8	37.9	13.5	44.5	58.0	1349	150383	Yes	5.26	13.66	28
507265	NA	Hybrid	3794	26	75	13	9.2	1.0	11.2	21.1	20.4	22.1	42.5	3303	203019	Yes	-0.27	14.63	45
507264	NA	Hybrid	3405	55	4	3	5.0	0.9	27.6	6.3	32.6	7.2	39.8	2437	218746	Yes	-0.34	13.66	78
507263	NA	Hybrid	2323	40	48	6	8.8	1.3	18.4	15.6	27.2	16.9	44.1	590	132351	Yes	-2.99	10.81	61
507262	NA	Hybrid	3065	12	42	7	7.1	0.3	6.4	27.2	13.5	27.5	41.0	4498	385029	Yes	-0.45	11.05	37
507261	NA	Hybrid	2684	13	41	4	7.9	2.5	10.7	16.7	18.6	19.2	37.8	3868	239353	Yes	0.71	11.41	36
507165	MS	UG	2433	0	58	0	0.0	12.8	0.0	45.4	0.0	58.2	58.2	5013	255452	Yes	-1.07	13.13	13
507164	MS	UG	1996	0	55	0	0.1	12.2	0.0	23.5	0.1	35.7	35.8	39	7317	Yes	-0.76	15.84	1
507163	MS	Hybrid	2776	6	56	10	7.9	0.8	5.2	27.0	13.1	27.8	40.9	2947	187092	Yes	-0.30	11.50	42
507162	MS	Hybrid	1378	76	26	22	39.3	0.6	75.7	17.7	115.0	18.3	133.3	1357	168913	Yes	0.68	8.38	92
507161	MS	Hybrid	2251	34	65	7	17.7	39.5	34.4	58.2	52.1	97.7	149.8	1572	171066	Yes	1.18	10.48	50
507065	NA	Hybrid	1316	1	35	3	0.4	5.4	1.2	10.8	1.6	16.2	17.8	4190	14190	Yes	-0.20	10.50	5
507064	NA	Hybrid	3150	4	56	0	2.0	9.8	1.2	26.5	3.2	36.3	39.5	3468	194757	Yes	0.28	11.58	21
507063	NA	Hybrid	4785	48	82	11	10.4	4.1	15.0	28.7	25.4	32.8	58.2	1279	183491	Yes	0.41	17.41	44

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
507062	NA	Hybrid	3930	20	43	2	4.6	3.6	13.9	31.1	18.5	34.7	53.2	1034	152740	Yes	-1.02	11.78	40
507061	NA	Hybrid	2658	3	42	2	3.3	0.8	0.8	20.2	4.1	21.0	25.1	596	85699	Yes	-0.39	7.51	21
506965	MS	Hybrid	3512	6	69	1	5.3	1.9	2.6	34.2	7.9	36.1	44.0	4500	109832	Yes	0.02	12.52	38
506964	MS	Hybrid	2228	19	77	6	5.8	1.0	4.5	19.6	10.3	20.6	30.9	641	52760	Yes	0.18	13.48	34
506963	MS	Hybrid	2888	9	69	6	5.8	1.1	4.7	24.9	10.5	26.0	36.5	609	140644	Yes	-0.55	11.55	29
506962	MS	Hybrid	2861	24	66	8	6.8	2.1	6.1	23.2	12.9	25.3	38.2	1092	23140	Yes	-0.32	10.38	27
506961	MS	Hybrid	683	12	39	8	4.8	0.8	4.1	4.5	8.9	5.3	14.2	130	16989	Yes	0.51	8.91	24
506863	TB	OH	1762	39	4	3	8.4	0.3	76.5	0.9	84.9	1.2	86.1	1095	173461	Yes	6.57	6.57	114
506862	TB	Hybrid	1696	47	17	7	11.5	1.5	44.8	10.4	56.3	11.9	68.2	3988	273605	Yes	-1.96	5.54	68
506861	TB	Hybrid	2618	25	35	5	6.1	0.9	18.2	16.3	24.3	17.2	41.5	456	42726	Yes	-1.24	8.66	29
506769	NA	Hybrid	3414	3	87	2	7.7	3.6	2.0	33.3	9.7	36.9	46.6	3533	249393	Yes	-0.08	14.22	52
506768	NA	Hybrid	3357	10	54	1	3.5	6.2	2.3	29.6	5.8	35.8	41.6	793	99410	Yes	0.22	11.62	22
506767	NA	Hybrid	3157	7	58	3	6.0	4.4	4.3	27.6	10.3	32.0	42.3	3695	507129	Yes	-0.08	9.52	27
506766	NA	Hybrid	3897	18	70	1	7.5	4.8	5.1	34.8	12.6	39.6	52.2	984	153565	Yes	0.25	14.85	34
506765	NA	Hybrid	3268	9	47	11	4.9	1.7	5.3	22.9	10.2	24.6	34.8	2917	124881	Yes	0.66	13.06	43
506764	NA	Hybrid	3341	23	64	5	6.3	4.8	9.4	35.1	15.7	39.9	55.6	5225	287822	Yes	0.52	18.12	49
506763	NA	Hybrid	2947	3	40	4	5.6	3.2	9.9	22.1	15.5	25.3	40.8	6826	88608	Yes	-0.16	10.84	34
506762	NA	Hybrid	2221	3	39	6	3.4	0.4	3.2	15.4	6.6	15.8	22.4	441	86003	Yes	0.23	12.33	27
506761	NA	Hybrid	3794	0	68	1	5.5	4.2	0.6	41.9	6.1	46.1	52.2	4298	264498	Yes	0.41	17.01	28
506667	NA	Hybrid	1788	0	41	1	2.5	2.2	0.4	21.9	2.9	24.1	27.0	903	115174	Yes	0.34	8.04	44
506666	NA	Hybrid	1539	10	27	15	3.3	0.9	6.9	3.2	10.2	4.1	14.3	473	72380	Yes	0.27	10.47	42
506665	NA	Hybrid	1223	3	45	2	6.9	0.8	0.5	10.6	7.4	11.4	18.8	151	23694	Yes	0.18	11.88	6
506664	NA	Hybrid	3885	24	52	7	8.2	0.3	8.1	23.4	16.3	23.7	40.0	676	122056	Yes	0.07	13.47	51
506663	NA	Hybrid	3950	5	69	2	4.6	3.5	1.0	33.9	5.6	37.4	43.0	441	67388	Yes	0.56	16.96	18
506662	NA	Hybrid	2669	34	39	4	6.3	1.9	9.1	17.9	15.4	19.8	35.2	1089	169773	Yes	-0.22	11.08	40
506661	NA	Hybrid	2193	1	61	2	3.0	4.1	1.9	28.7	4.9	32.8	37.7	340	47741	Yes	-0.18	12.92	29
506563	MS	Hybrid	3526	11	63	2	9.3	8.1	15.5	44.3	24.8	52.4	77.2	3316	274623	Yes	0.80	9.00	27
506562	MS	Hybrid	3986	44	46	14	12.3	1.2	36.4	20.1	48.7	21.3	70.0	1279	182252	Yes	-0.21	12.89	101
506561	MS	Hybrid	5281	7	96	1	5.7	13.0	1.1	69.7	6.8	82.7	89.5	11688	106358	Yes	0.11	14.21	32
506465	TB	OH	2683	66	4	1	8.7	0.1	54.3	0.4	63.0	0.5	63.5	2695	202546	Yes	-0.21	10.99	89
506464	TB	OH	2945	50	5	12	9.7	0.4	66.9	3.3	76.6	3.7	80.3	5771	402468	Yes	-0.09	11.91	135
506463	TB	Hybrid	3423	57	11	2	9.0	0.2	79.3	6.7	88.3	6.9	95.2	1688	135143	Yes	0.42	13.72	69
506462	TB	Hybrid	3693	57	36	10	12.3	4.5	40.1	28.3	52.4	32.8	85.2	4667	167978	Yes	-0.29	9.92	67
506461	TB	Hybrid	896	7	46	4	6.6	0.0	20.1	6.0	26.7	6.0	32.7	1630	85280	Yes	0.21	10.21	25
506365	TB	Hybrid	2565	38	12	6	7.8	0.8	37.1	3.3	44.9	4.1	49.0	3267	27174	Yes	8.90	8.90	49
506364	TB	Hybrid	2325	26	26	5	11.9	0.4	21.6	18.5	33.5	18.9	52.4	300	140712	Yes	-1.02	9.98	49
506363	TB	Hybrid	3401	22	18	8	4.7	0.1	20.9	11.2	25.6	11.3	36.9	844	196399	Yes	-5.15	9.65	51
506362	TB	OH	2204	39	0	5	4.2	0.1	28.9	0.8	33.1	0.9	34.0	1036	68469	Yes	-3.46	9.84	76
506361	TB	Hybrid	3373	20	31	9	5.1	1.1	32.5	12.4	37.6	13.5	51.1	1896	253745	Yes	-0.23	13.97	112
506264	MS	Hybrid	1806	33	31	8	4.7	1.1	8.2	5.6	12.9	6.7	19.6	1087	119132	Yes	0.35	9.25	37
506263	MS	Hybrid	2661	20	56	9	7.0	1.6	11.9	14.8	18.9	16.4	35.3	536	67061	Yes	0.09	12.19	42

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
506262	MS	Hybrid	1071	20	51	8	6.4	1.1	5.5	10.5	11.9	11.6	23.5	85	19148	Yes	0.20	11.50	19
506261	MS	Hybrid	2089	14	43	12	5.0	0.3	6.6	13.8	11.6	14.1	25.7	213	41706	Yes	-0.55	9.85	38
506166	NA	Hybrid	1563	6	46	7	4.0	1.1	2.5	5.7	6.5	6.8	13.3	3154	119109	Yes	-0.70	7.50	12
506165	NA	Hybrid	1262	8	34	5	4.7	0.5	2.5	10.5	7.2	11.0	18.2	1563	71427	Yes	-4.65	10.75	16
506164	NA	Hybrid	2055	23	35	13	6.1	1.0	5.6	8.1	11.7	9.1	20.8	2546	314931	Yes	-0.60	12.00	27
506163	NA	Hybrid	3566	25	45	6	7.5	0.6	10.3	22.6	17.8	23.2	41.0	2278	63156	Yes	0.31	11.91	35
506162	NA	Hybrid	2328	6	59	6	5.8	2.0	7.2	20.0	13.0	22.0	35.0	909	137807	Yes	2.83	18.43	29
506161	NA	Hybrid	1552	20	7	7	3.1	0.1	9.5	3.4	12.6	3.5	16.1	6087	460935	Yes	0.03	7.23	50
506037	MS	Hybrid	2660	20	25	6	4.0	0.8	7.5	5.6	11.5	6.4	17.9	282	43198	Yes	-0.12	7.38	27
506036	MS	Hybrid	2446	26	7	17	4.5	0.3	12.6	1.3	17.1	1.6	18.7	2869	124436	Yes	-0.26	8.64	56
506035	MS	Hybrid	1330	13	9	3	3.2	0.2	5.5	5.0	8.7	5.2	13.9	512	89712	Yes	-0.13	5.37	51
506034	MS	OH	901	24	1	5	2.3	0.1	8.0	0.4	10.3	0.5	10.8	412	70832	Yes	-0.26	4.24	53
506033	MS	Hybrid	1551	20	7	5	2.9	0.0	9.7	1.0	12.6	1.0	13.6	1928	210856	Yes	-0.34	6.16	53
506032	MS	Hybrid	1318	24	8	4	3.1	0.0	8.7	2.4	11.8	2.4	14.2	318	70769	Yes	0.12	5.72	39
506031	MS	Hybrid	972	19	16	8	3.4	0.1	4.9	3.3	8.3	3.4	11.7	133	19138	Yes	-0.11	6.39	22
505963	TB	OH	1014	98	15	13	42.4	0.1	119.5	5.6	161.9	5.7	167.6	3564	252457	Yes	-0.26	2.34	123
505962	TB	Hybrid	2576	30	26	8	9.3	0.3	29.0	12.0	38.3	12.3	50.6	2382	190537	Yes	-0.85	8.55	47
505961	TB	OH	2540	103	8	15	20.4	0.2	104.5	4.1	124.9	4.3	129.2	5025	308218	Yes	0.19	8.29	161
505865	MS	UG	1	0	0	0	0.0	1.3	0.0	0.0	0.0	1.3	1.3	0	0	Yes	-0.09	6.81	0
505864	MS	Hybrid	1784	18	29	5	13.1	1.0	5.9	10.1	19.0	11.1	30.1	453	109306	Yes	-0.12	5.58	37
505863	MS	Hybrid	111	6	20	2	4.6	1.9	4.7	3.3	9.3	5.2	14.5	256	28110	Yes	0.25	3.45	11
505862	MS	Hybrid	1280	17	26	7	13.8	2.9	12.5	17.2	26.3	20.1	46.4	2425	13296	Yes	0.39	5.79	14
505861	MS	Hybrid	82	2	18	0	1.3	3.9	0.2	2.1	1.5	6.0	7.5	1	181	Yes	0.07	3.17	1
505767	MS	Hybrid	2518	4	34	0	4.7	0.6	2.8	20.2	7.5	20.8	28.3	480	43950	Yes	-0.37	8.63	23
505766	MS	Hybrid	1291	2	20	2	4.0	2.1	2.8	14.0	6.8	16.1	22.9	1324	133964	Yes	-7.69	4.31	9
505765	MS	Hybrid	3329	22	69	5	6.4	2.4	10.2	20.8	16.6	23.2	39.8	4029	191308	Yes	-0.34	10.76	64
505764	MS	Hybrid	1951	27	67	6	10.3	1.8	11.9	26.5	22.2	28.3	50.5	312	53727	Yes	-9.78	6.52	36
505763	MS	Hybrid	3722	1	54	2	5.7	7.3	0.9	50.8	6.6	58.1	64.7	4109	137006	Yes	0.82	12.72	24
505762	MS	Hybrid	3285	17	43	3	7.2	0.3	9.0	25.5	16.2	25.8	42.0	3046	337636	Yes	-0.59	11.71	47
505761	MS	Hybrid	3734	7	80	8	4.9	0.6	6.2	23.8	11.1	24.4	35.5	719	117751	Yes	-0.50	8.50	31
505665	TB	Hybrid	2668	18	34	16	7.5	8.0	9.4	27.5	16.9	35.5	52.4	2534	124846	Yes	-2.91	10.99	48
505664	TB	Hybrid	3622	20	90	15	12.4	3.3	13.0	30.6	25.4	33.9	59.3	20175	1353574	Yes	1.36	12.06	100
505663	TB	Hybrid	3274	32	20	3	9.0	0.4	48.4	6.4	57.4	6.8	64.2	1733	73778	Yes	-0.17	13.03	33
505662	TB	Hybrid	3535	39	21	11	7.9	0.5	34.5	11.3	42.4	11.8	54.2	5300	273467	Yes	1.16	12.56	86
505661	TB	OH	4039	64	13	3	10.6	0.0	62.1	2.1	72.7	2.1	74.8	734	65342	Yes	0.87	14.97	90
505564	MS	Hybrid	2563	2	41	0	3.5	2.6	0.3	19.1	3.8	21.7	25.5	257	27528	Yes	1.09	11.79	12
505563	MS	Hybrid	1369	0	36	0	2.6	1.4	0.0	7.8	2.6	9.2	11.8	840	16884	Yes	0.12	9.12	4
505562	MS	Hybrid	2439	24	40	12	3.9	1.4	7.1	9.2	11.0	10.6	21.6	1451	72205	Yes	-0.04	8.86	43
505561	MS	Hybrid	2638	27	27	3	2.7	1.4	5.7	7.2	8.4	8.6	17.0	1514	62770	Yes	-0.12	7.28	27
505465	TB	Hybrid	2432	26	27	14	6.2	0.3	11.8	6.2	18.0	6.5	24.5	3711	226220	Yes	-0.44	13.06	43
505464	TB	Hybrid	5398	6	78	4	5.6	5.5	1.1	43.5	6.7	49.0	55.7	195	28655	Yes	0.25	14.15	16

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
505463	TB	Hybrid	1410	8	55	8	5.1	1.0	5.1	11.9	10.2	12.9	23.1	936	31831	Yes	-1.10	9.90	19
505462	TB	Hybrid	1728	11	38	7	3.7	0.9	2.2	4.8	5.9	5.7	11.6	1771	117202	Yes	0.73	7.73	17
505461	TB	Hybrid	2005	17	19	4	3.7	0.8	3.5	5.6	7.2	6.4	13.6	4525	151653	Yes	-1.62	7.48	17
505366	MS	UG	2124	0	46	0	1.2	5.0	0.0	19.0	1.2	24.0	25.2	102	16499	Yes	0.52	12.92	5
505365	MS	Hybrid	3613	0	64	1	2.6	5.5	0.6	37.9	3.2	43.4	46.6	3166	193879	Yes	-0.36	12.44	32
505364	MS	Hybrid	2848	0	40	1	3.3	2.9	0.5	33.9	3.8	36.8	40.6	1267	84611	Yes	2.66	14.46	12
505363	MS	Hybrid	3477	18	59	7	5.9	2.2	12.2	30.4	18.1	32.6	50.7	8516	314608	Yes	-0.63	13.97	55
505362	MS	Hybrid	3368	2	54	2	4.1	1.8	2.5	28.3	6.6	30.1	36.7	342	44630	Yes	0.23	13.33	23
505361	MS	Hybrid	3273	0	32	0	1.7	3.9	0.0	27.3	1.7	31.2	32.9	690	70532	Yes	2.72	14.32	17
505264	MS	Hybrid	3437	55	27	14	8.9	0.5	24.7	7.6	33.6	8.1	41.7	536	100035	Yes	-0.18	12.92	80
505263	MS	Hybrid	1539	16	24	5	5.2	0.4	13.8	7.8	19.0	8.2	27.2	351	53948	Yes	-0.18	4.32	25
505262	MS	Hybrid	3408	40	32	21	11.0	1.2	30.4	11.6	41.4	12.8	54.2	1470	213668	Yes	-0.09	10.91	76
505261	MS	Hybrid	2017	37	51	14	12.6	2.4	16.4	11.9	29.0	14.3	43.3	2346	223115	Yes	0.79	12.89	85
505166	MS	Hybrid	2075	6	40	6	4.2	1.4	5.8	11.7	10.0	13.1	23.1	2017	104976	Yes	1.50	10.60	19
505165	MS	Hybrid	2023	26	34	5	4.0	1.8	10.6	11.1	14.6	12.9	27.5	1882	105810	Yes	0.31	13.81	70
505164	MS	Hybrid	2819	10	45	3	3.7	0.2	3.6	18.4	7.3	18.6	25.9	6243	168304	Yes	0.30	10.60	36
505163	MS	Hybrid	1880	11	51	4	5.0	0.3	2.5	15.3	7.5	15.6	23.1	4668	125910	Yes	0.62	8.42	30
505162	MS	Hybrid	2611	7	72	6	6.6	2.8	5.2	44.4	11.8	47.2	59.0	2759	183729	Yes	0.11	14.91	36
505161	MS	Hybrid	1671	0	39	7	3.4	0.3	4.4	11.3	7.8	11.6	19.4	2414	115958	Yes	-0.01	8.59	56
505065	TB	UG	3984	0	77	0	0.0	11.9	0.0	51.9	0.0	63.8	63.8	7964	457717	Yes	1.04	13.44	22
505064	TB	Hybrid	2293	1	44	2	5.3	4.4	0.6	25.7	5.9	30.1	36.0	3578	184496	Yes	-0.42	9.98	22
505063	TB	Hybrid	4401	84	23	1	12.4	0.2	38.0	11.8	50.4	12.0	62.4	7630	439501	Yes	-0.54	14.46	58
505062	TB	Hybrid	328	0	41	1	4.9	12.4	0.9	19.6	5.8	32.0	37.8	1	142	Yes	-0.11	7.39	1
505061	TB	Hybrid	2360	11	57	5	8.2	4.0	6.6	30.9	14.8	34.9	49.7	770	73415	Yes	-0.41	22.49	30
504969	NA	Hybrid	898	6	25	3	4.3	0.8	13.5	5.2	17.8	6.0	23.8	1197	219984	Yes	0.72	8.12	59
504968	NA	Hybrid	2473	100	37	8	14.9	5.1	43.0	19.4	57.9	24.5	82.4	2969	85183	Yes	0.99	12.29	73
504967	NA	Hybrid	1597	78	9	7	16.3	0.5	44.2	3.7	60.5	4.2	64.7	7971	153372	Yes	0.75	8.95	102
504966	NA	Hybrid	2880	30	8	10	4.7	0.3	22.8	3.5	27.5	3.8	31.3	2844	232248	Yes	-0.17	9.73	63
504965	NA	Hybrid	2443	24	11	7	5.8	0.3	17.4	3.5	23.2	3.8	27.0	2137	122076	Yes	-0.17	9.23	57
504964	NA	Hybrid	1621	35	10	5	5.7	0.2	20.9	8.2	26.6	8.4	35.0	444	103074	Yes	0.12	9.12	44
504963	NA	Hybrid	1735	18	9	3	3.3	0.3	9.2	1.9	12.5	2.2	14.7	364	63598	Yes	-0.19	6.61	31
504962	NA	Hybrid	2828	22	26	6	6.3	0.1	16.5	3.2	22.8	3.3	26.1	3109	149643	Yes	-0.25	12.65	51
504961	NA	Hybrid	2242	20	29	2	6.4	0.5	11.2	14.7	17.6	15.2	32.8	787	91561	Yes	-0.07	9.73	45
504835	MS	Hybrid	2309	18	17	9	3.0	1.8	15.9	7.8	18.9	9.6	28.5	2084	205990	Yes	0.16	7.36	75
504834	MS	Hybrid	2247	28	33	4	8.8	1.0	7.3	11.6	16.1	12.6	28.7	2733	61362	Yes	-0.03	6.27	32
504833	MS	Hybrid	1377	21	20	2	3.3	2.4	11.1	16.0	14.4	18.4	32.8	473	35959	Yes	-0.17	6.43	25
504832	MS	Hybrid	1811	22	35	10	3.9	1.4	13.1	11.2	17.0	12.6	29.6	342	35799	Yes	-0.17	7.33	45
504831	MS	Hybrid	2376	38	21	15	5.2	1.1	11.6	5.6	16.8	6.7	23.5	7302	221868	Yes	0.31	6.81	53
504764	TB	OH	1886	105	0	2	18.6	0.5	95.8	0.5	114.4	1.0	115.4	2303	180524	Yes	-0.16	7.64	63
504763	TB	OH	1892	210	0	2	15.3	0.2	137.5	0.7	152.8	0.9	153.7	1295	91621	Yes	-0.57	7.93	97
504762	TB	Hybrid	2835	63	51	24	15.0	7.2	47.3	31.0	62.3	38.2	100.5	6098	458990	Yes	-0.37	11.13	102

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
504761	TB	Hybrid	2063	107	37	30	31.5	1.7	68.5	32.6	100.0	34.3	134.3	2421	151581	Yes	-0.17	7.43	82
504667	MS	Hybrid	1428	23	51	7	10.0	1.3	9.6	9.6	19.6	10.9	30.5	2840	141770	Yes	-0.54	12.16	45
504666	MS	Hybrid	3574	25	71	11	6.3	1.7	8.7	18.2	15.0	19.9	34.9	4772	388462	Yes	0.18	12.18	58
504665	MS	Hybrid	3057	10	43	7	3.1	2.9	7.5	18.7	10.6	21.6	32.2	380	47898	Yes	-0.21	10.69	48
504664	MS	Hybrid	2748	72	34	16	9.3	1.2	23.0	11.0	32.3	12.2	44.5	2433	140447	Yes	0.03	11.83	90
504663	MS	Hybrid	4166	20	87	9	8.4	5.9	8.4	34.8	16.8	40.7	57.5	8166	628998	Yes	-0.21	17.69	52
504662	MS	Hybrid	2723	20	59	7	9.8	0.9	12.1	29.4	21.9	30.3	52.2	1733	38807	Yes	1.50	15.20	38
504661	MS	Hybrid	3580	35	34	9	6.9	0.3	14.0	11.5	20.9	11.8	32.7	4694	210128	Yes	-0.61	10.79	96
504537	MS	UG	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	0	#N/A	#N/A	#N/A	0
504536	MS	Hybrid	1085	12	17	6	2.1	0.5	4.4	2.3	6.5	2.8	9.3	150	14993	Yes	0.67	5.17	21
504535	MS	Hybrid	1606	19	13	9	3.0	0.2	12.1	2.9	15.1	3.1	18.2	997	172171	Yes	0.21	8.31	60
504534	MS	Hybrid	2233	27	18	10	4.2	0.6	12.5	6.7	16.7	7.3	24.0	456	63643	Yes	-0.18	8.02	55
504533	MS	Hybrid	2754	19	54	7	4.6	0.4	7.6	8.8	12.2	9.2	21.4	269	36962	Yes	-0.12	8.98	21
504532	MS	Hybrid	2638	8	43	7	4.1	0.2	9.4	12.0	13.5	12.2	25.7	1070	163930	Yes	-0.33	8.77	55
504531	MS	Hybrid	2855	35	39	8	5.2	0.3	12.3	7.2	17.5	7.5	25.0	663	111751	Yes	-0.17	9.63	54
504433	TB	Hybrid	1301	40	24	10	21.4	0.9	49.3	8.5	70.7	9.4	80.1	557	86460	Yes	-0.01	8.99	62
504432	TB	Hybrid	1612	26	28	8	6.0	0.0	15.8	9.8	21.8	9.8	31.6	5063	257057	Yes	-0.26	4.54	57
504431	TB	Hybrid	1440	55	8	17	12.3	0.6	65.6	7.9	77.9	8.5	86.4	471	67907	Yes	-0.32	5.48	54
504370	NA	Hybrid	1453	12	30	2	1.5	4.0	4.9	6.1	6.4	10.1	16.5	537	97147	Yes	-6.26	8.94	25
504369	NA	Hybrid	1394	29	25	5	4.1	2.8	6.0	10.4	10.1	13.2	23.3	328	45788	Yes	0.04	10.44	35
504368	NA	Hybrid	3110	20	12	8	1.3	2.9	13.4	7.5	14.7	10.4	25.1	1215	245627	Yes	0.04	12.94	67
504367	NA	Hybrid	3029	2	57	2	2.7	2.9	1.0	26.4	3.7	29.3	33.0	5359	332681	Yes	-0.46	13.34	20
504366	NA	Hybrid	2471	6	21	1	1.5	3.3	2.6	13.0	4.1	16.3	20.4	167	28333	Yes	-0.06	8.94	17
504365	NA	Hybrid	3201	11	39	13	5.4	1.6	6.1	15.1	11.5	16.7	28.2	7025	165198	Yes	-0.40	11.70	40
504364	NA	Hybrid	1491	8	55	2	4.3	4.3	2.6	12.6	6.9	16.9	23.8	64	11533	Yes	-0.04	14.26	11
504363	NA	Hybrid	3532	16	69	6	6.2	2.1	3.2	21.6	9.4	23.7	33.1	10484	474036	Yes	-0.13	16.67	28
504362	NA	UG	2796	1	32	0	0.4	4.5	0.2	16.0	0.6	20.5	21.1	196	39846	Yes	-0.06	9.74	8
504361	NA	Hybrid	4277	0	68	1	1.4	5.3	0.2	21.0	1.6	26.3	27.9	6609	653203	Yes	6.72	16.12	21
504262	TB	OH	191	27	4	3	42.8	0.1	87.2	2.3	130.0	2.4	132.4	1580	348178	Yes	-0.57	1.63	55
504261	TB	OH	634	32	7	6	13.0	0.1	72.4	1.6	85.4	1.7	87.1	2123	94754	Yes	0.09	2.99	61
504137	MS	Hybrid	1474	23	18	11	2.9	1.0	9.9	2.6	12.8	3.6	16.4	541	81620	Yes	0.65	7.25	45
504136	MS	Hybrid	1687	18	21	6	3.3	0.2	7.3	3.2	10.6	3.4	14.0	469	70921	Yes	0.05	5.55	42
504135	MS	Hybrid	1025	18	16	5	2.8	0.5	6.0	3.2	8.8	3.7	12.5	747	103219	Yes	0.18	3.98	43
504134	MS	Hybrid	1992	14	25	9	3.7	0.4	9.6	8.9	13.3	9.3	22.6	596	71317	Yes	-0.27	7.73	43
504133	MS	Hybrid	1488	20	16	3	3.5	0.1	9.0	4.6	12.5	4.7	17.2	590	75694	Yes	0.15	6.45	46
504132	MS	Hybrid	2113	27	20	4	3.0	0.1	12.3	4.9	15.3	5.0	20.3	501	95494	Yes	0.16	8.06	52
504131	MS	Hybrid	1733	11	38	4	2.4	0.0	4.3	6.2	6.7	6.2	12.9	208	22444	Yes	-0.21	6.89	22
504066	NA	Hybrid	2857	17	45	2	3.7	11.1	4.4	22.9	8.1	34.0	42.1	1335	258382	Yes	8.59	8.59	9
504064	NA	Hybrid	4969	20	67	3	6.2	14.4	10.2	53.2	16.4	67.6	84.0	664	135305	Yes	-0.17	11.33	32
504063	NA	OH	130	2	1	2	3.9	0.1	4.5	0.2	8.4	0.3	8.7	328	77582	Yes	-0.87	8.63	30
504062	NA	Hybrid	5160	1	77	7	7.9	6.0	3.2	41.8	11.1	47.8	58.9	6041	565636	Yes	0.58	14.48	51

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
504061	NA	Hybrid	4686	16	61	6	6.2	6.7	14.2	36.2	20.4	42.9	63.3	1231	252782	Yes	0.78	18.88	58
503969	NA	Hybrid	2821	2	39	3	4.3	3.4	1.7	22.1	6.0	25.5	31.5	880	160192	Yes	-0.01	8.39	23
503968	NA	Hybrid	2606	6	41	9	3.8	2.5	3.0	32.3	6.8	34.8	41.6	422	75030	Yes	0.52	10.92	24
503967	NA	Hybrid	2475	30	29	9	4.8	4.2	15.6	12.7	20.4	16.9	37.3	390	56249	Yes	-0.09	9.81	54
503966	NA	Hybrid	2134	14	47	2	5.2	4.8	4.6	15.8	9.8	20.6	30.4	1768	213883	Yes	-0.38	11.12	29
503965	NA	Hybrid	5470	17	49	4	5.5	2.4	5.3	34.3	10.8	36.7	47.5	800	185687	Yes	-0.03	13.37	31
503964	NA	Hybrid	4119	7	57	5	5.9	7.9	3.8	8.4	9.7	16.3	26.0	3320	135223	Yes	-0.43	7.17	30
503963	NA	Hybrid	1621	2	28	2	3.8	1.3	3.6	15.2	7.4	16.5	23.9	398	57337	Yes	-0.17	5.83	17
503962	NA	Hybrid	3648	36	34	3	5.8	1.9	15.8	24.5	21.6	26.4	48.0	1190	151660	Yes	-0.51	13.39	70
503961	NA	Hybrid	4485	29	42	12	3.8	4.3	12.6	6.5	16.4	10.8	27.2	1813	126851	Yes	-0.02	11.78	70
503865	TB	Hybrid	1975	17	50	8	7.8	3.3	4.6	16.3	12.4	19.6	32.0	404	48944	Yes	0.59	14.49	22
503864	TB	Hybrid	1119	44	29	8	9.1	0.2	15.4	5.1	24.5	5.3	29.8	587	6890	Yes	0.03	8.43	18
503863	TB	Hybrid	2542	32	30	9	6.4	0.3	14.6	6.1	21.0	6.4	27.4	2151	90739	Yes	1.21	8.41	41
503862	TB	Hybrid	2837	43	30	10	7.7	0.6	18.1	13.0	25.8	13.6	39.4	830	135164	Yes	-0.19	13.71	74
503861	TB	Hybrid	2449	42	26	10	5.1	0.1	14.9	7.9	20.0	8.0	28.0	3868	253477	Yes	-0.14	8.16	71
503767	TB	UG	1	0	0	0	0.0	3.3	0.0	0.0	0.0	3.3	3.3	0	0	Yes	2.49	2.49	0
503766	TB	Hybrid	2715	46	8	4	6.1	0.4	24.5	1.5	30.6	1.9	32.5	4072	228747	Yes	-0.80	9.00	62
503765	TB	Hybrid	2927	43	22	5	8.0	0.3	40.1	5.7	48.1	6.0	54.1	3843	381447	Yes	0.49	12.39	114
503764	TB	Hybrid	3365	29	65	13	10.7	1.0	17.7	26.3	28.4	27.3	55.7	3848	165894	Yes	-0.58	11.42	56
503763	TB	Hybrid	1255	15	4	3	3.2	0.3	11.2	1.2	14.4	1.5	15.9	1356	58603	Yes	-0.12	5.38	27
503762	TB	Hybrid	2472	27	23	6	5.8	0.2	21.9	2.5	27.7	2.7	30.4	2659	301542	Yes	-0.07	10.03	66
503761	TB	Hybrid	1813	32	21	11	4.9	0.1	11.9	11.5	16.8	11.6	28.4	365	66167	Yes	-0.16	8.34	40
503639	NA	Hybrid	2510	3	35	4	2.7	1.1	3.0	17.5	5.7	18.6	24.3	609	66729	Yes	0.04	8.24	59
503638	NA	Hybrid	1074	8	15	4	1.2	0.6	4.5	4.7	5.7	5.3	11.0	749	32438	Yes	0.03	4.03	29
503637	NA	Hybrid	1798	4	45	4	3.7	0.9	2.3	9.5	6.0	10.4	16.4	117	11861	Yes	-0.04	8.16	16
503636	NA	Hybrid	2059	6	47	2	2.7	1.1	1.8	12.6	4.5	13.7	18.2	214	46923	Yes	-0.16	6.74	16
503635	NA	Hybrid	2369	0	42	2	2.5	0.2	0.8	9.8	3.3	10.0	13.3	224	24898	Yes	-0.18	7.02	12
503634	NA	Hybrid	1828	3	47	3	2.9	0.3	1.8	9.7	4.7	10.0	14.7	254	32127	Yes	-0.19	4.81	25
503633	NA	Hybrid	1604	0	42	1	2.2	1.0	0.7	7.0	2.9	8.0	10.9	608	50441	Yes	-0.36	5.14	14
503632	NA	Hybrid	1784	7	42	3	2.6	0.4	2.5	10.4	5.1	10.8	15.9	346	35740	Yes	-0.60	5.70	26
503631	NA	Hybrid	1434	24	14	6	3.0	0.6	9.9	7.5	12.9	8.1	21.0	1719	72067	Yes	-0.16	6.64	40
503569	NA	Hybrid	3079	20	71	10	7.9	4.4	12.0	30.3	19.9	34.7	54.6	8838	313603	Yes	0.58	12.98	59
503568	NA	Hybrid	3271	14	66	10	5.7	1.3	8.8	10.9	14.5	12.2	26.7	6019	155861	Yes	-0.22	11.08	56
503567	NA	Hybrid	3223	0	34	3	3.7	1.5	1.3	17.7	5.0	19.2	24.2	4804	487532	Yes	0.41	7.91	24
503566	NA	Hybrid	3581	3	37	4	3.6	0.1	3.9	21.6	7.5	21.7	29.2	956	165125	Yes	0.79	12.29	31
503565	NA	Hybrid	4481	3	73	1	4.7	0.4	2.7	30.8	7.4	31.2	38.6	1637	239043	Yes	-0.66	11.04	56
503564	NA	Hybrid	3524	12	59	9	5.0	1.1	7.5	19.2	12.5	20.3	32.8	10119	197270	Yes	0.65	11.45	67
503563	NA	Hybrid	2257	4	53	7	4.8	1.3	3.3	11.9	8.1	13.2	21.3	1238	78623	Yes	-0.45	10.95	25
503562	NA	Hybrid	3939	29	66	18	7.4	1.6	11.1	14.3	18.5	15.9	34.4	8252	110746	Yes	-0.76	12.74	76
503561	NA	Hybrid	4928	14	65	10	6.3	0.3	8.6	28.2	14.9	28.5	43.4	4464	269603	Yes	-0.01	10.29	45
503437	MS	OH	1474	28	2	1	4.1	0.3	11.8	0.5	15.9	0.8	16.7	556	80241	Yes	0.04	4.84	61

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
503436	MS	Hybrid	2540	22	42	5	5.0	0.1	7.8	18.7	12.8	18.8	31.6	2760	41360	Yes	-0.33	9.47	31
503435	MS	OH	2490	40	1	3	3.6	0.2	27.4	0.4	31.0	0.6	31.6	1791	294937	Yes	-0.06	8.64	98
503434	MS	Hybrid	2026	23	27	10	6.1	0.6	15.4	6.4	21.5	7.0	28.5	1038	105927	Yes	-0.22	7.88	76
503433	MS	Hybrid	1631	21	9	2	3.7	0.1	8.0	5.3	11.7	5.4	17.1	373	61888	Yes	-0.01	5.59	41
503432	MS	Hybrid	1389	13	33	4	4.5	0.2	7.4	6.0	11.9	6.2	18.1	385	54708	Yes	0.01	9.11	30
503431	MS	Hybrid	2327	37	1	4	4.7	0.1	24.2	2.2	28.9	2.3	31.2	1034	151700	Yes	-0.01	7.29	86
503265	TB	Hybrid	3480	2	51	9	6.0	0.0	11.7	32.5	17.7	32.5	50.2	1609	193433	Yes	-1.00	12.40	56
503264	TB	Hybrid	3010	42	37	3	8.9	0.2	49.6	12.1	58.5	12.3	70.8	1101	111291	Yes	0.16	13.06	88
503263	TB	Hybrid	3266	36	52	3	6.6	0.3	39.9	22.3	46.5	22.6	69.1	4252	256538	Yes	-0.16	9.74	62
503262	TB	Hybrid	3117	47	45	6	9.7	0.1	60.9	10.0	70.6	10.1	80.7	3148	207570	Yes	0.74	15.34	133
503261	TB	Hybrid	3776	16	31	4	6.9	0.2	23.8	17.6	30.7	17.8	48.5	1771	255233	Yes	-0.32	9.48	83
503138	NA	Hybrid	1324	8	59	3	3.7	0.7	4.0	5.4	7.7	6.1	13.8	138	19595	Yes	-0.78	9.62	21
503137	NA	UG	1999	0	19	0	0.5	9.3	0.0	4.9	0.5	14.2	14.7	51	15341	Yes	-2.18	2.02	6
503136	NA	Hybrid	1211	0	25	0	1.0	3.4	0.0	7.3	1.0	10.7	11.7	67	14735	Yes	0.33	7.53	4
503135	NA	Hybrid	1527	6	26	1	2.3	2.3	2.3	4.1	4.6	6.4	11.0	3092	135520	Yes	-0.07	10.43	14
503134	NA	Hybrid	1778	0	54	1	2.0	1.6	0.2	13.6	2.2	15.2	17.4	4599	37336	Yes	-0.57	7.73	27
503133	NA	Hybrid	1599	17	30	3	3.2	2.4	3.5	7.1	6.7	9.5	16.2	309	53631	Yes	-2.17	4.23	22
503132	NA	Hybrid	2626	16	38	12	2.8	1.7	5.9	7.7	8.7	9.4	18.1	4864	149369	Yes	0.51	8.51	50
503131	NA	Hybrid	2057	0	39	2	2.4	1.8	0.8	14.0	3.2	15.8	19.0	705	118448	Yes	0.13	6.43	42
503039	MS	Hybrid	2591	9	39	9	2.8	2.4	4.8	7.9	7.6	10.3	17.9	778	83151	Yes	-0.22	8.18	48
503038	MS	Hybrid	2615	2	17	11	1.0	1.9	2.4	5.2	3.4	7.1	10.5	1327	80624	Yes	-0.28	5.52	16
503037	MS	Hybrid	1341	21	10	3	3.4	1.5	9.1	3.1	12.5	4.6	17.1	528	90257	Yes	-0.27	6.23	51
503036	MS	Hybrid	1818	7	30	8	3.5	1.2	6.4	8.9	9.9	10.1	20.0	627	101429	Yes	-0.27	7.63	48
503035	MS	Hybrid	1076	5	10	2	1.3	0.3	2.9	5.9	4.2	6.2	10.4	1400	59382	Yes	-0.18	4.22	30
503034	MS	Hybrid	1481	37	29	10	4.6	0.3	8.6	2.5	13.2	2.8	16.0	3397	203119	Yes	0.03	8.03	53
503033	MS	Hybrid	1058	14	23	8	2.8	1.8	5.1	4.1	7.9	5.9	13.8	244	33837	Yes	0.10	5.70	29
503032	MS	Hybrid	954	9	12	15	1.9	0.1	7.0	2.7	8.9	2.8	11.7	586	100345	Yes	-0.07	5.93	45
503031	MS	Hybrid	2064	12	27	12	3.4	0.2	6.9	5.7	10.3	5.9	16.2	1532	148749	Yes	0.15	6.85	35
502939	MS	Hybrid	2621	23	21	7	2.8	0.6	7.0	8.1	9.8	8.7	18.5	890	174764	Yes	0.67	8.57	35
502938	MS	Hybrid	2922	9	31	8	3.4	0.1	5.8	5.6	9.2	5.7	14.9	449	60684	Yes	-0.08	7.32	28
502937	MS	Hybrid	2395	31	22	4	4.5	0.5	8.1	4.9	12.6	5.4	18.0	550	109905	Yes	-1.09	7.51	45
502936	MS	Hybrid	2455	18	33	6	3.6	0.3	6.1	2.6	9.7	2.9	12.6	3086	300013	Yes	-0.41	8.69	33
502935	MS	Hybrid	1607	15	26	4	3.8	1.2	4.4	4.6	8.2	5.8	14.0	2731	142936	Yes	-0.20	7.70	21
502934	MS	Hybrid	2698	26	33	7	4.6	0.1	8.5	11.9	13.1	12.0	25.1	138	17870	Yes	0.80	9.10	28
502933	MS	Hybrid	1739	10	28	2	2.9	0.3	4.5	6.7	7.4	7.0	14.4	1016	116621	Yes	-0.15	6.25	41
502932	MS	Hybrid	2637	28	15	8	4.1	0.1	13.2	3.0	17.3	3.1	20.4	1008	196405	Yes	-0.20	8.50	52
502931	MS	Hybrid	1562	9	24	1	2.8	0.9	4.8	2.9	7.6	3.8	11.4	390	59424	Yes	-0.14	4.56	15
502838	MS	Hybrid	890	1	12	1	0.2	1.7	0.1	1.9	0.3	3.6	3.9	873	65779	Yes	0.26	4.46	4
502837	MS	Hybrid	535	17	18	4	2.9	3.0	3.1	1.9	6.0	4.9	10.9	647	44313	Yes	-0.08	3.82	19
502836	MS	Hybrid	681	5	8	3	1.0	2.0	0.4	1.3	1.4	3.3	4.7	8	1412	Yes	-0.17	3.43	2
502835	MS	Hybrid	1408	15	19	5	1.9	2.7	2.2	2.2	4.1	4.9	9.0	113	13325	Yes	-0.06	6.04	20

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
502834	MS	Hybrid	1534	35	21	14	3.3	0.4	11.0	2.6	14.3	3.0	17.3	442	72102	Yes	-0.12	7.48	61
502833	MS	Hybrid	503	3	11	5	1.1	0.7	0.7	1.3	1.8	2.0	3.8	23	1597	Yes	1.06	3.66	3
502832	MS	Hybrid	1264	32	15	6	2.5	0.4	7.3	1.9	9.8	2.3	12.1	925	69223	Yes	0.00	6.00	28
502831	MS	UG	1099	0	23	1	0.2	11.7	0.0	2.8	0.2	14.5	14.7	506	95516	Yes	0.01	6.51	24
502638	TB	Hybrid	928	0	29	5	2.1	0.2	1.1	7.4	3.2	7.6	10.8	10	1035	Yes	-0.29	5.81	5
502637	TB	Hybrid	1211	15	24	6	3.4	0.6	4.5	2.2	7.9	2.8	10.7	203	22749	Yes	-0.30	5.30	26
502636	TB	Hybrid	1859	47	7	7	3.7	0.9	10.7	1.4	14.4	2.3	16.7	310	55987	Yes	-0.95	7.25	53
502635	TB	Hybrid	1473	17	22	10	2.3	0.3	8.2	6.0	10.5	6.3	16.8	727	111873	Yes	0.07	7.87	40
502634	TB	Hybrid	645	6	24	3	2.8	0.4	1.2	2.8	4.0	3.2	7.2	41	6837	Yes	-0.16	5.04	10
502633	TB	Hybrid	311	4	10	5	1.1	0.3	0.9	1.7	2.0	2.0	4.0	62	11866	Yes	0.17	4.37	8
502632	TB	Hybrid	2046	5	33	5	2.8	0.1	3.2	7.7	6.0	7.8	13.8	520	29048	Yes	-0.03	8.47	21
502631	TB	Hybrid	725	16	4	3	2.6	0.6	6.0	1.0	8.6	1.6	10.2	1091	141901	Yes	-0.20	3.90	35
502563	MS	Hybrid	4330	26	53	15	6.4	4.2	10.6	14.2	17.0	18.4	35.4	2571	181171	Yes	-0.45	12.65	88
502562	MS	Hybrid	2678	53	29	8	5.4	3.7	10.4	10.3	15.8	14.0	29.8	1303	136875	Yes	-0.48	9.12	56
502561	MS	Hybrid	3187	46	34	15	7.7	5.6	15.5	12.8	23.2	18.4	41.6	5851	239570	Yes	-0.14	15.06	101
502538	MS	Hybrid	1254	21	27	6	3.6	0.6	7.9	3.5	11.5	4.1	15.6	207	35019	Yes	-0.03	6.47	24
502536	MS	Hybrid	1262	0	46	0	2.5	0.5	0.1	11.7	2.6	12.2	14.8	120	28405	Yes	-0.18	8.32	21
502534	MS	Hybrid	1359	6	23	5	2.1	0.3	7.1	7.5	9.2	7.8	17.0	629	122441	Yes	-0.02	5.38	54
502533	MS	Hybrid	1036	21	15	5	2.5	0.5	8.5	4.3	11.0	4.8	15.8	423	64722	Yes	-0.27	5.73	35
502532	MS	Hybrid	1703	8	28	3	2.9	0.3	4.5	9.7	7.4	10.0	17.4	1071	126071	Yes	-0.20	6.20	44
502531	MS	Hybrid	391	2	12	1	1.5	0.1	1.1	3.7	2.6	3.8	6.4	72	15557	Yes	-0.13	3.57	8
502464	TB	Hybrid	3943	118	33	31	32.5	0.1	98.0	15.0	130.5	15.1	145.6	5525	453310	Yes	0.02	12.32	110
502463	TB	Hybrid	1367	142	26	20	30.9	0.5	97.3	9.1	128.2	9.6	137.8	8937	606035	Yes	-1.29	4.81	100
502462	TB	Hybrid	1812	61	15	22	21.8	0.0	59.9	5.5	81.7	5.5	87.2	494	123207	Yes	-0.27	8.53	64
502461	TB	Hybrid	2543	53	41	14	17.3	2.9	94.7	23.4	112.0	26.3	138.3	3301	216403	Yes	-0.10	10.60	91
502208	MS	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	No	0.00	0.00	0
502207	MS	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	No	0.00	0.00	0
502206	MS	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	No	0.00	0.00	0
502205	MS	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	No	0.00	0.00	0
502204	MS	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	No	0.00	0.00	0
502203	MS	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	No	0.00	0.00	0
502202	MS	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	No	0.00	0.00	0
502201	MS	OH	1	0	0	0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0	0	No	0.00	0.00	0
502168	NA	Hybrid	3127	32	29	10	5.1	2.2	10.4	12.4	15.5	14.6	30.1	3395	224521	Yes	-0.12	9.28	43
502167	NA	Hybrid	2655	6	38	10	3.3	1.9	3.4	20.4	6.7	22.3	29.0	4106	91614	Yes	0.20	9.80	33
502166	NA	Hybrid	2692	33	51	8	6.2	5.9	11.0	24.3	17.2	30.2	47.4	9790	426960	Yes	-0.25	11.95	47
502165	NA	Hybrid	4327	6	62	5	3.0	7.2	3.1	34.4	6.1	41.6	47.7	510	94265	Yes	0.52	16.72	29
502164	NA	Hybrid	3164	1	66	1	4.7	3.0	0.3	22.2	5.0	25.2	30.2	8751	232308	Yes	0.14	10.64	15
502163	NA	Hybrid	3832	9	77	5	7.4	1.3	3.9	21.6	11.3	22.9	34.2	521	93461	Yes	-0.58	15.02	28
502162	NA	Hybrid	2848	8	59	2	4.2	2.4	2.8	26.3	7.0	28.7	35.7	10099	564325	Yes	-0.44	11.96	35
502161	NA	Hybrid	2565	29	60	10	5.4	0.3	9.6	12.2	15.0	12.5	27.5	642	145954	Yes	-0.15	11.25	50

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
502067	TB	Hybrid	2304	39	15	5	6.8	0.1	36.1	2.3	42.9	2.4	45.3	2824	156942	Yes	-0.42	10.88	114
502066	TB	Hybrid	2606	42	4	7	5.9	0.3	36.2	2.7	42.1	3.0	45.1	4829	249808	Yes	-0.48	10.72	88
502065	TB	Hybrid	3640	37	31	5	5.9	0.1	50.8	7.1	56.7	7.2	63.9	2577	189152	Yes	-0.13	12.27	107
502064	TB	Hybrid	2087	19	62	4	6.0	0.3	20.6	11.7	26.6	12.0	38.6	434	72324	Yes	-0.02	14.08	36
502063	TB	Hybrid	2083	24	13	2	4.7	0.7	21.9	1.3	26.6	2.0	28.6	493	40763	Yes	-1.23	6.77	35
502062	TB	OH	3137	39	11	2	7.0	0.1	36.6	0.8	43.6	0.9	44.5	1452	164238	Yes	-0.53	13.37	124
502061	TB	Hybrid	1674	12	24	4	4.5	1.0	4.7	3.1	9.2	4.1	13.3	212	22780	Yes	-0.52	8.38	22
501835	TB	Hybrid	2874	18	56	6	4.2	6.9	10.6	34.9	14.8	41.8	56.6	405	133057	Yes	-0.22	10.28	37
501834	TB	UG	0	0	0	0	0.0	0.3	0.0	0.0	0.0	0.3	0.3	0	0	No	-0.37	0.23	0
501833	TB	Hybrid	2330	114	15	16	13.4	0.0	80.5	13.6	93.9	13.6	107.5	2654	157168	Yes	0.14	8.64	108
501832	TB	Hybrid	2425	34	21	10	4.8	0.5	23.0	6.4	27.8	6.9	34.7	2812	261027	Yes	-0.11	8.39	71
501831	TB	Hybrid	1055	27	6	3	3.7	0.1	13.2	2.2	16.9	2.3	19.2	631	55600	Yes	-0.05	4.95	24
501768	NA	Hybrid	1500	1	56	1	6.2	3.5	0.2	17.5	6.4	21.0	27.4	150	30966	Yes	-0.09	8.61	11
501767	NA	Hybrid	4049	13	69	6	5.5	1.8	4.7	24.0	10.2	25.8	36.0	890	98182	Yes	-0.35	9.45	45
501766	NA	Hybrid	3999	9	47	7	4.3	1.6	8.8	23.3	13.1	24.9	38.0	4690	292548	Yes	-0.61	9.49	47
501765	NA	Hybrid	4035	4	64	5	4.9	0.8	3.5	21.4	8.4	22.2	30.6	12177	259846	Yes	-0.07	10.43	50
501764	NA	Hybrid	4504	16	55	8	5.9	1.5	6.6	25.8	12.5	27.3	39.8	726	82440	Yes	-1.19	11.41	37
501763	NA	Hybrid	2567	30	16	13	4.0	0.7	9.8	2.7	13.8	3.4	17.2	1992	77606	Yes	-1.34	7.56	55
501762	NA	Hybrid	2487	25	40	15	3.4	1.3	5.6	5.8	9.0	7.1	16.1	365	47749	Yes	-0.26	10.14	31
501761	NA	Hybrid	3780	16	41	7	4.1	0.2	5.5	13.1	9.6	13.3	22.9	6551	210110	Yes	-0.15	10.55	43
501538	TB	Hybrid	1325	25	12	14	5.1	0.7	15.2	2.4	20.3	3.1	23.4	260	50575	Yes	-0.09	5.21	32
501537	TB	Hybrid	1369	13	26	6	4.3	0.2	8.8	9.1	13.1	9.3	22.4	232	26719	Yes	0.12	5.12	32
501536	TB	Hybrid	1715	19	22	6	2.9	0.4	7.3	5.7	10.2	6.1	16.3	2631	268456	Yes	-0.22	5.88	27
501535	TB	Hybrid	1105	22	34	5	7.9	1.9	6.5	9.4	14.4	11.3	25.7	36	7837	Yes	-0.18	4.12	13
501534	TB	Hybrid	1834	19	23	4	3.7	0.1	7.8	4.5	11.5	4.6	16.1	66	11874	Yes	-0.02	5.18	20
501533	TB	Hybrid	1004	32	23	2	5.1	0.5	6.3	3.0	11.4	3.5	14.9	1142	50019	Yes	-0.18	4.52	32
501532	TB	Hybrid	888	23	22	4	5.2	0.0	6.7	2.0	11.9	2.0	13.9	996	152341	Yes	-0.27	4.03	19
501531	TB	Hybrid	1503	19	34	5	6.3	0.4	4.8	6.9	11.1	7.3	18.4	206	19117	Yes	0.10	7.70	36
501436	TB	Hybrid	3	0	0	0	1.7	0.7	0.0	0.0	1.7	0.7	2.4	0	0	Yes	0.35	5.15	0
501435	TB	Hybrid	1072	31	21	5	5.3	0.2	15.1	3.8	20.4	4.0	24.4	177	20492	Yes	-0.40	6.80	22
501434	TB	OH	830	54	17	4	19.3	0.1	39.9	2.4	59.2	2.5	61.7	1224	103940	Yes	-3.24	6.26	72
501433	TB	Hybrid	945	17	20	7	3.1	0.2	7.1	1.5	10.2	1.7	11.9	158	9538	Yes	-0.20	4.30	16
501432	TB	Hybrid	2575	72	24	19	19.3	0.2	77.6	14.5	96.9	14.7	111.6	1946	177077	Yes	-0.62	6.88	98
501431	TB	Hybrid	1906	52	17	9	11.4	0.4	60.4	3.7	71.8	4.1	75.9	584	89514	Yes	-0.28	6.92	71
501240	NA	Hybrid	829	3	40	10	3.3	2.4	5.0	8.5	8.3	10.9	19.2	1162	75355	Yes	0.14	8.14	24
501239	NA	Hybrid	1807	4	50	13	3.6	0.9	6.1	4.7	9.7	5.6	15.3	5697	209858	Yes	0.03	9.23	39
501238	NA	Hybrid	852	6	23	5	3.3	0.9	5.5	1.0	8.8	1.9	10.7	1109	142402	Yes	0.43	6.93	37
501237	NA	Hybrid	1065	5	19	7	2.4	1.3	2.7	2.6	5.1	3.9	9.0	1297	53778	Yes	0.06	6.26	21
501236	NA	Hybrid	213	1	14	2	1.4	1.9	0.6	4.2	2.0	6.1	8.1	4	248	Yes	-1.97	3.23	1
501235	NA	Hybrid	1748	15	31	5	4.4	0.2	4.1	4.8	8.5	5.0	13.5	4133	152930	Yes	-0.02	7.08	27
501234	NA	Hybrid	1931	5	54	11	3.0	0.7	3.7	6.1	6.7	6.8	13.5	258	43206	Yes	0.22	8.62	21

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
501233	NA	Hybrid	1551	5	33	8	2.3	0.2	2.8	2.9	5.1	3.1	8.2	468	94411	Yes	0.16	7.76	22
501232	NA	Hybrid	445	4	7	3	1.1	0.2	2.9	0.5	4.0	0.7	4.7	628	38462	Yes	0.12	6.52	18
501231	NA	Hybrid	420	6	15	2	1.5	1.1	2.2	3.2	3.7	4.3	8.0	275	32297	Yes	-0.02	5.38	18
501138	TB	Hybrid	218	0	7	1	0.6	0.3	0.0	0.3	0.6	0.6	1.2	0	0	Yes	0.07	1.77	0
501137	TB	Hybrid	378	12	9	4	2.2	0.5	1.7	0.4	3.9	0.9	4.8	197	20485	Yes	-0.15	5.55	16
501136	TB	Hybrid	1820	33	24	8	5.9	0.2	10.3	2.1	16.2	2.3	18.5	2028	72793	Yes	-0.24	5.96	27
501135	TB	Hybrid	980	21	5	4	3.7	0.4	9.2	1.3	12.9	1.7	14.6	785	47621	Yes	-0.41	5.89	23
501134	TB	Hybrid	472	9	24	3	1.3	0.7	0.7	1.8	2.0	2.5	4.5	77	8514	Yes	0.53	7.93	7
501133	TB	Hybrid	1491	14	28	6	2.9	0.8	2.5	2.3	5.4	3.1	8.5	251	49256	Yes	0.34	5.94	22
501132	TB	Hybrid	950	3	5	1	0.7	2.1	0.3	0.2	1.0	2.3	3.3	16	4211	Yes	0.25	3.25	3
501131	TB	Hybrid	911	24	16	7	2.9	0.1	6.3	2.0	9.2	2.1	11.3	170	46474	Yes	0.50	7.20	35
501066	MS	Hybrid	1815	20	36	7	5.9	1.9	12.5	26.3	18.4	28.2	46.6	212	35500	Yes	-0.20	9.70	29
501065	MS	Hybrid	1374	16	32	5	4.6	0.8	8.8	10.6	13.4	11.4	24.8	1194	66591	Yes	0.43	9.33	17
501064	MS	Hybrid	2244	16	63	8	7.3	2.0	7.5	25.0	14.8	27.0	41.8	1319	66630	Yes	-0.52	9.98	44
501063	MS	Hybrid	2682	27	54	12	5.7	0.3	10.3	19.0	16.0	19.3	35.3	450	58003	Yes	-1.81	12.29	44
501062	MS	Hybrid	2640	16	40	11	4.9	0.2	10.5	16.9	15.4	17.1	32.5	3701	172594	Yes	-0.66	12.04	67
501061	MS	Hybrid	2929	19	73	4	8.2	1.1	8.7	21.0	16.9	22.1	39.0	869	114637	Yes	-0.57	13.03	43
500934	MS	Hybrid	1905	4	27	1	3.3	0.4	2.1	25.1	5.4	25.5	30.9	1164	70724	Yes	-0.19	7.31	11
500933	MS	Hybrid	1148	0	24	2	2.6	0.1	0.9	13.2	3.5	13.3	16.8	771	25080	Yes	-0.17	5.63	23
500932	MS	Hybrid	1553	7	22	5	2.8	0.0	5.7	11.5	8.5	11.5	20.0	151	37181	Yes	0.03	4.53	15
500931	MS	Hybrid	1452	18	43	5	6.0	0.9	5.2	9.8	11.2	10.7	21.9	3617	279284	Yes	0.15	7.05	27
500837	MS	Hybrid	1665	22	19	7	3.2	0.6	9.2	1.8	12.4	2.4	14.8	2421	242511	Yes	-0.07	5.73	42
500836	MS	Hybrid	853	7	24	6	3.4	1.1	4.6	5.5	8.0	6.6	14.6	1059	35208	Yes	-0.41	7.59	25
500835	MS	Hybrid	281	0	49	2	2.1	0.6	0.7	1.9	2.8	2.5	5.3	11	1320	Yes	0.15	4.55	4
500834	MS	Hybrid	1549	15	23	9	3.6	0.7	9.1	5.7	12.7	6.4	19.1	567	108154	Yes	-0.38	8.12	63
500833	MS	Hybrid	1898	27	27	6	4.7	0.2	11.5	4.3	16.2	4.5	20.7	739	147340	Yes	-0.25	8.15	50
500832	MS	Hybrid	205	3	42	1	3.3	0.3	2.4	3.2	5.7	3.5	9.2	33	8905	Yes	0.16	6.96	6
500831	MS	Hybrid	437	6	30	5	2.2	0.5	2.5	2.9	4.7	3.4	8.1	7	589	Yes	0.20	4.60	3
500768	TB	Hybrid	2100	25	29	5	7.7	0.7	10.6	15.3	18.3	16.0	34.3	390	62912	Yes	0.07	6.37	46
500767	TB	OH	2725	43	10	4	11.1	0.3	60.7	1.0	71.8	1.3	73.1	3395	244242	Yes	-0.73	10.07	132
500766	TB	Hybrid	2911	80	44	8	12.7	1.5	14.8	14.7	27.5	16.2	43.7	2493	205045	Yes	0.63	7.43	61
500765	TB	Hybrid	2478	30	40	5	8.8	0.4	9.4	15.8	18.2	16.2	34.4	3249	202792	Yes	-0.45	7.85	41
500764	TB	Hybrid	2465	30	23	8	4.8	1.3	22.4	6.5	27.2	7.8	35.0	3454	136373	Yes	-0.20	8.90	49
500763	TB	Hybrid	1673	19	25	6	4.2	0.2	9.3	3.2	13.5	3.4	16.9	194	18565	Yes	-0.26	5.34	30
500762	TB	Hybrid	2582	71	34	10	6.8	0.8	12.7	2.9	19.5	3.7	23.2	1755	33713	Yes	-0.01	7.09	47
500761	TB	Hybrid	1712	32	17	7	4.9	0.1	15.4	3.1	20.3	3.2	23.5	1954	123011	Yes	0.00	5.20	39
500665	MS	Hybrid	3405	24	58	9	8.3	1.4	9.3	19.1	17.6	20.5	38.1	913	103247	Yes	-0.31	9.49	52
500664	MS	Hybrid	3086	31	77	17	7.7	5.3	10.7	13.5	18.4	18.8	37.2	6559	648947	Yes	-0.59	10.91	83
500663	MS	Hybrid	3445	7	66	3	5.4	2.5	1.2	21.3	6.6	23.8	30.4	269	47966	Yes	-0.89	13.71	14
500662	MS	Hybrid	4569	33	49	5	6.3	3.0	9.4	19.1	15.7	22.1	37.8	14657	609405	Yes	-0.07	12.33	80
500661	MS	Hybrid	4158	51	42	15	6.6	4.3	11.4	7.2	18.0	11.5	29.5	1325	152709	Yes	-0.29	10.71	75

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
500637	MS	Hybrid	2814	23	16	8	3.3	0.8	8.7	5.1	12.0	5.9	17.9	317	44778	Yes	-0.28	7.32	30
500636	MS	Hybrid	2184	11	27	5	2.9	0.6	5.0	10.1	7.9	10.7	18.6	869	125879	Yes	-0.28	7.42	40
500635	MS	Hybrid	2131	4	26	0	2.0	0.8	1.1	9.0	3.1	9.8	12.9	2759	197148	Yes	-0.44	3.86	24
500634	MS	Hybrid	1477	1	28	5	2.6	0.9	1.4	10.6	4.0	11.5	15.5	554	91001	Yes	-0.30	6.90	20
500633	MS	Hybrid	904	6	26	2	2.7	0.2	3.2	3.3	5.9	3.5	9.4	509	69885	Yes	0.28	5.68	16
500632	MS	Hybrid	2926	7	51	3	4.0	0.0	4.2	16.2	8.2	16.2	24.4	3657	303085	Yes	-0.34	9.46	34
500631	MS	Hybrid	1935	8	28	2	2.7	0.4	2.9	10.1	5.6	10.5	16.1	253	37068	Yes	-0.34	4.86	33
500538	MS	Hybrid	1726	14	19	7	3.1	0.4	8.7	3.5	11.8	3.9	15.7	1246	83144	Yes	-0.57	7.03	33
500537	MS	Hybrid	1344	7	18	8	2.2	1.9	8.1	6.0	10.3	7.9	18.2	488	62023	Yes	-0.10	6.40	30
500536	MS	Hybrid	652	8	36	8	2.8	0.8	3.7	4.3	6.5	5.1	11.6	1349	39561	Yes	-0.34	6.96	9
500535	MS	Hybrid	1587	3	29	4	2.2	0.1	2.1	14.6	4.3	14.7	19.0	235	33005	Yes	-0.16	6.64	25
500534	MS	Hybrid	2219	10	32	8	3.8	0.3	9.1	5.3	12.9	5.6	18.5	2695	57121	Yes	-1.50	6.30	44
500533	MS	Hybrid	1345	6	50	5	5.1	0.8	2.6	10.8	7.7	11.6	19.3	93	19432	Yes	0.30	7.30	16
500532	MS	Hybrid	2322	8	29	8	2.6	0.0	9.3	3.3	11.9	3.3	15.2	829	116539	Yes	-0.50	8.40	45
500531	MS	Hybrid	1716	17	38	6	3.3	0.1	3.8	7.7	7.1	7.8	14.9	445	53657	Yes	-3.46	2.64	47
500439	MS	UG	2	0	1	0	0.0	1.7	0.0	0.0	0.0	1.7	1.7	0	0	Yes	0.60	8.60	0
500438	MS	Hybrid	331	5	7	0	1.0	0.6	2.5	0.2	3.5	0.8	4.3	130	24162	Yes	0.12	1.62	15
500437	MS	Hybrid	1725	19	29	8	4.3	0.2	6.8	2.9	11.1	3.1	14.2	2008	146366	Yes	0.22	8.62	50
500436	MS	Hybrid	1390	24	7	15	3.2	0.4	10.4	1.5	13.6	1.9	15.5	282	93018	Yes	-0.38	7.12	42
500435	MS	Hybrid	2009	16	18	9	3.1	0.0	8.2	9.3	11.3	9.3	20.6	756	118335	Yes	-0.09	7.71	56
500434	MS	Hybrid	1027	26	6	4	2.1	1.6	8.4	0.6	10.5	2.2	12.7	482	82176	Yes	-0.25	5.45	56
500433	MS	Hybrid	1620	35	11	3	3.9	0.3	13.0	1.0	16.9	1.3	18.2	1434	89647	Yes	-0.72	7.78	87
500432	MS	Hybrid	528	2	17	4	2.1	0.3	1.5	0.7	3.6	1.0	4.6	317	47920	Yes	-0.97	5.43	13
500431	MS	Hybrid	1393	22	9	3	2.5	0.2	7.5	2.4	10.0	2.6	12.6	377	55396	Yes	-0.27	4.43	39
500337	MS	Hybrid	2090	13	46	3	5.2	0.1	6.2	14.9	11.4	15.0	26.4	357	43406	Yes	-0.15	6.15	50
500336	MS	Hybrid	2510	14	34	7	3.4	0.5	9.9	8.8	13.3	9.3	22.6	5343	103062	Yes	-0.14	7.66	39
500335	MS	Hybrid	2674	10	25	11	3.7	1.1	6.9	2.9	10.6	4.0	14.6	623	107265	Yes	-0.21	7.39	43
500334	MS	Hybrid	697	7	15	2	2.5	0.1	0.9	2.9	3.4	3.0	6.4	39	6486	Yes	-0.12	2.78	7
500333	MS	Hybrid	497	6	29	3	2.3	0.2	2.3	2.3	4.6	2.5	7.1	608	32189	Yes	0.49	8.19	3
500332	MS	Hybrid	2100	18	15	13	4.4	0.3	10.5	3.4	14.9	3.7	18.6	1513	107646	Yes	-1.07	6.73	28
500331	MS	Hybrid	2057	13	40	8	2.9	0.4	5.1	4.0	8.0	4.4	12.4	2251	140055	Yes	-0.27	5.73	33
500239	MS	Hybrid	1142	22	24	15	4.8	0.7	8.0	2.5	12.8	3.2	16.0	253	33796	Yes	0.15	7.35	38
500238	MS	Hybrid	1612	12	25	2	3.5	0.2	3.6	5.0	7.1	5.2	12.3	125	32070	Yes	-0.31	5.59	13
500237	MS	Hybrid	978	2	14	3	1.0	2.0	0.5	2.9	1.5	4.9	6.4	89	5324	Yes	0.45	5.45	5
500236	MS	Hybrid	227	3	11	4	1.3	1.1	0.5	1.5	1.8	2.6	4.4	28	2670	Yes	-0.04	5.16	9
500235	MS	Hybrid	1148	27	5	5	2.8	1.2	8.9	0.8	11.7	2.0	13.7	174	23390	Yes	-0.50	5.20	31
500234	MS	Hybrid	1338	17	11	10	3.0	1.2	8.9	1.6	11.9	2.8	14.7	274	61181	Yes	-0.14	5.96	22
500233	MS	Hybrid	931	17	14	9	3.9	1.6	5.3	1.4	9.2	3.0	12.2	576	80443	Yes	-0.58	6.02	24
500232	MS	Hybrid	1958	15	24	6	2.7	1.5	5.1	7.8	7.8	9.3	17.1	2014	108951	Yes	0.58	8.58	20
500231	MS	UG	24	0	3	0	0.0	1.0	0.0	0.9	0.0	1.9	1.9	0	0	Yes	-0.17	3.43	0
500164	MS	Hybrid	886	6	22	3	1.7	4.3	0.9	2.1	2.6	6.4	9.0	65	25248	Yes	0.33	5.83	10

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500163	MS	UG	251	1	5	1	0.1	3.0	0.0	1.2	0.1	4.2	4.3	42	6791	Yes	0.35	3.45	2
500162	MS	Hybrid	3856	16	75	3	2.8	10.1	2.7	19.6	5.5	29.7	35.2	2361	168767	Yes	-0.21	11.49	26
500161	MS	Hybrid	3196	2	48	1	1.9	6.5	2.9	13.1	4.8	19.6	24.4	4817	160216	Yes	-0.38	10.22	19
500136	MS	Hybrid	764	2	18	4	1.9	1.8	0.3	1.8	2.2	3.6	5.8	390	11905	Yes	0.22	4.02	5
500135	MS	Hybrid	832	9	10	10	3.0	0.2	3.0	1.0	6.0	1.2	7.2	876	38008	Yes	0.36	6.76	19
500134	MS	Hybrid	1333	20	18	11	3.7	0.0	6.0	2.5	9.7	2.5	12.2	156	14445	Yes	-0.34	7.96	26
500133	MS	Hybrid	1241	7	22	4	2.0	1.8	0.9	1.6	2.9	3.4	6.3	147	14421	Yes	-0.15	5.45	11
500132	MS	Hybrid	1046	10	10	9	2.0	1.2	2.3	2.1	4.3	3.3	7.6	244	29505	Yes	-1.64	5.46	14
500131	MS	Hybrid	1790	29	18	5	5.4	0.3	10.9	3.3	16.3	3.6	19.9	364	52941	Yes	0.19	7.49	47
441146	WB	UG	0	0	0	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	0	#N/A	#N/A	#N/A	0
420062	WB	Hybrid	3	0	3	0	2.5	0.4	0.0	0.4	2.5	0.8	3.3	0	0	No	0.81	5.91	0
420061	WB	Hybrid	6	1	5	0	2.9	1.1	0.1	1.4	3.0	2.5	5.5	11	1294	No	-1.87	4.03	5
413331	WB	UG	0	0	0	0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0	0	Yes	0.06	0.16	0
413232	BR	Hybrid	666	33	12	2	21.6	1.5	16.0	1.2	37.6	2.7	40.3	2761	61133	Yes	0.30	4.40	28
413231	BR	Hybrid	121	3	7	1	5.8	0.4	0.9	0.3	6.7	0.7	7.4	4	533	Yes	0.25	2.45	4
412762	TC	Hybrid	7	1	3	0	4.4	5.8	6.6	0.4	11.0	6.2	17.2	8	1751	Yes	0.73	0.73	2
412761	TC	UG	0	0	0	0	0.0	5.7	0.0	0.0	0.0	5.7	5.7	0	0	Yes	0.53	0.53	0
412432	TC	Hybrid	134	32	4	4	16.1	0.1	45.6	3.8	61.7	3.9	65.6	648	58078	Yes	-0.20	0.30	25
412431	TC	Hybrid	1245	25	54	8	13.4	1.9	15.3	32.1	28.7	34.0	62.7	349	31118	Yes	5.66	5.66	23
412362	WB	UG	582	0	14	0	0.0	2.7	0.0	5.5	0.0	8.2	8.2	7	70	Yes	0.00	0.00	1
412262	TC	Hybrid	2655	68	4	1	6.5	2.2	41.9	0.4	48.4	2.6	51.0	2162	53648	Yes	0.55	11.05	49
412261	TC	Hybrid	492	12	13	4	12.5	8.9	23.6	137.0	36.1	145.9	182.0	2556	160450	Yes	0.03	3.23	45
412164	TC	Hybrid	147	15	4	3	9.3	0.4	18.7	1.5	28.0	1.9	29.9	101	14230	Yes	0.02	2.82	19
412163	TC	UG	0	0	0	0	0.0	0.4	0.0	0.0	0.0	0.4	0.4	0	0	Yes	0.20	8.90	0
412162	TC	UG	0	0	0	0	0.0	0.4	0.0	0.0	0.0	0.4	0.4	0	0	Yes	0.13	8.63	0
412161	TC	Hybrid	1052	20	25	6	11.7	3.7	16.5	15.7	28.2	19.4	47.6	2057	127530	Yes	3.44	5.64	25
412063	TC	Hybrid	1847	43	58	9	9.4	1.4	19.2	25.0	28.6	26.4	55.0	85	18526	Yes	0.14	7.34	31
412062	TC	Hybrid	2512	34	54	4	5.7	9.3	10.2	23.1	15.9	32.4	48.3	231	45135	Yes	0.52	8.62	24
412061	TC	Hybrid	922	43	25	7	7.6	0.7	17.7	10.6	25.3	11.3	36.6	3894	47519	Yes	-0.01	4.89	32
411963	TC	Hybrid	2455	40	15	0	5.8	0.4	30.9	6.9	36.7	7.3	44.0	4714	124186	Yes	0.48	13.38	62
411962	TC	Hybrid	1592	23	5	3	2.8	0.3	18.9	4.7	21.7	5.0	26.7	240	21590	Yes	-0.16	7.64	34
411961	TC	Hybrid	1608	42	32	1	5.9	5.0	26.2	21.6	32.1	26.6	58.7	2980	73126	Yes	-0.24	7.26	38
411862	WB	Hybrid	735	1	17	2	2.0	3.0	0.1	1.5	2.1	4.5	6.6	1218	92029	Yes	0.12	6.32	16
411861	WB	Hybrid	759	12	14	1	1.8	1.1	1.8	1.6	3.6	2.7	6.3	105	13419	Yes	0.07	8.37	16
411734	WB	Hybrid	1189	34	15	1	3.0	1.1	6.9	0.8	9.9	1.9	11.8	938	45736	Yes	5.97	5.97	30
411733	WB	Hybrid	1540	12	22	4	1.4	1.8	5.0	3.5	6.4	5.3	11.7	1788	86677	Yes	0.00	7.50	33
411732	WB	Hybrid	1280	12	12	0	0.7	2.3	1.4	1.5	2.1	3.8	5.9	78	14697	Yes	-4.89	4.31	13
411731	WB	Hybrid	1164	9	19	1	2.1	2.2	1.7	2.4	3.8	4.6	8.4	648	65661	Yes	0.11	5.81	15
411663	TC	Hybrid	2052	21	26	3	6.9	4.5	24.5	9.2	31.4	13.7	45.1	191	24833	Yes	0.48	10.38	28
411662	TC	Hybrid	389	38	11	8	23.3	0.8	31.2	12.4	54.5	13.2	67.7	2048	264711	Yes	-0.18	2.72	35
411661	TC	Hybrid	1549	38	37	3	10.6	2.9	14.2	14.9	24.8	17.8	42.6	1598	17404	Yes	0.68	8.88	24

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
411563	TC	Hybrid	1847	73	3	7	7.2	5.0	56.5	1.6	63.7	6.6	70.3	938	66936	Yes	-0.05	7.75	50
411562	TC	Hybrid	3437	72	27	5	12.4	0.6	43.7	8.9	56.1	9.5	65.6	3222	235499	Yes	0.17	13.47	101
411561	TC	Hybrid	2206	89	30	10	15.5	0.4	84.6	10.8	100.1	11.2	111.3	4432	411522	Yes	0.83	9.53	132
411235	WB	UG	142	0	6	0	0.0	4.3	0.0	0.2	0.0	4.5	4.5	0	0	Yes	0.41	6.21	0
411234	WB	Hybrid	1448	16	16	6	2.5	0.3	6.5	6.5	9.0	6.8	15.8	362	38182	Yes	-0.03	7.17	36
411233	WB	Hybrid	2376	44	28	2	4.0	1.5	9.5	8.1	13.5	9.6	23.1	374	42452	Yes	0.05	7.65	40
411232	WB	UG	7	0	5	0	0.0	0.8	0.0	0.1	0.0	0.9	0.9	0	0	Yes	-0.02	3.88	0
411231	WB	UG	616	0	15	0	0.0	5.5	0.0	12.1	0.0	17.6	17.6	678	44114	Yes	-0.09	5.71	4
411035	TC	Hybrid	2178	28	17	2	3.2	2.9	21.2	8.3	24.4	11.2	35.6	840	95310	Yes	0.00	8.60	53
411034	TC	Hybrid	1291	21	26	0	4.1	0.9	8.2	2.0	12.3	2.9	15.2	1603	87146	Yes	0.07	6.17	29
411033	TC	Hybrid	2603	3	48	2	3.8	2.0	4.0	19.1	7.8	21.1	28.9	218	15182	Yes	-0.25	7.55	20
411032	TC	Hybrid	610	8	27	0	4.2	0.1	4.1	3.2	8.3	3.3	11.6	182	30078	Yes	0.09	6.39	17
411031	TC	Hybrid	1607	24	2	0	2.3	0.1	19.2	1.1	21.5	1.2	22.7	216	33532	Yes	0.09	6.39	36
410863	TC	Hybrid	175	5	6	4	6.1	0.4	13.1	16.3	19.2	16.7	35.9	368	24992	Yes	-0.17	2.13	21
410862	TC	Hybrid	1404	20	51	6	9.0	1.9	6.1	15.6	15.1	17.5	32.6	2437	65174	Yes	-0.55	8.45	39
410861	TC	Hybrid	3076	41	38	12	9.1	1.0	28.8	25.6	37.9	26.6	64.5	933	176469	Yes	0.33	12.63	101
410764	TC	UG	0	0	0	0	0.0	5.0	0.0	0.0	0.0	5.0	5.0	0	0	Yes	-0.02	0.78	0
410763	TC	Hybrid	1790	45	38	9	7.6	0.9	16.1	15.6	23.7	16.5	40.2	439	65329	Yes	0.56	6.86	29
410762	TC	Hybrid	2149	69	15	7	5.8	0.1	23.0	8.6	28.8	8.7	37.5	1134	85917	Yes	-0.77	8.73	63
410761	TC	Hybrid	1312	25	29	4	8.0	2.6	11.6	12.0	19.6	14.6	34.2	1038	59524	Yes	0.23	5.83	37
410663	WB	Hybrid	1582	3	43	0	1.1	7.3	0.7	20.0	1.8	27.3	29.1	3244	196309	Yes	0.44	9.04	10
410662	WB	UG	1245	0	51	0	0.2	8.2	0.0	24.8	0.2	33.0	33.2	52	7450	Yes	-0.61	10.69	6
410661	WB	Hybrid	2131	1	35	1	3.6	5.3	3.4	22.8	7.0	28.1	35.1	2315	123180	Yes	-0.03	6.87	22
410536	WB	Hybrid	757	10	25	3	3.7	1.0	3.5	6.0	7.2	7.0	14.2	262	15593	Yes	7.74	7.74	13
410535	WB	UG	3	0	0	0	0.0	0.4	0.0	0.0	0.0	0.4	0.4	0	0	Yes	0.54	0.54	0
410534	WB	UG	0	0	0	0	0.0	1.1	0.0	0.0	0.0	1.1	1.1	0	0	Yes	0.03	0.13	0
410533	WB	Hybrid	2589	48	18	2	4.5	2.2	11.4	4.2	15.9	6.4	22.3	2908	178017	Yes	-0.80	9.40	61
410532	WB	Hybrid	529	13	12	5	3.2	1.2	2.7	2.2	5.9	3.4	9.3	173	20805	Yes	0.21	7.01	15
410531	WB	Hybrid	800	1	37	0	2.3	1.6	0.1	5.8	2.4	7.4	9.8	945	28352	Yes	-0.36	7.94	6
410466	TC	UG	1284	0	52	0	0.0	12.2	0.0	19.8	0.0	32.0	32.0	72	19535	Yes	6.57	10.97	6
410465	TC	Hybrid	4048	52	20	1	6.4	2.5	43.0	9.7	49.4	12.2	61.6	1035	127955	Yes	0.43	17.83	90
410464	TC	UG	2529	0	61	0	0.0	11.5	0.0	37.9	0.0	49.4	49.4	103	18258	Yes	0.23	12.53	16
410463	TC	OH	2557	45	9	1	6.4	0.8	32.4	1.0	38.8	1.8	40.6	543	46446	Yes	-1.09	13.11	59
410462	TC	Hybrid	2050	36	7	3	5.0	0.6	30.0	1.7	35.0	2.3	37.3	1360	170647	Yes	-4.74	10.26	53
410461	TC	OH	2133	51	0	0	4.3	0.8	31.9	0.0	36.2	0.8	37.0	2694	99038	Yes	0.02	10.02	54
410364	BR	Hybrid	2953	12	58	2	5.7	10.5	2.8	39.7	8.5	50.2	58.7	5256	190135	Yes	7.61	12.61	23
410363	BR	Hybrid	1625	5	37	0	1.3	3.7	0.1	19.9	1.4	23.6	25.0	73	13335	Yes	-8.09	7.51	2
410362	BR	Hybrid	2931	19	70	1	3.5	9.3	7.3	41.5	10.8	50.8	61.6	3261	218841	Yes	-1.39	15.41	46
410361	BR	Hybrid	2418	20	34	8	5.0	6.1	12.1	25.5	17.1	31.6	48.7	434	72984	Yes	-0.50	10.60	43
410232	WB	Hybrid	124	4	30	0	3.1	0.7	0.9	3.4	4.0	4.1	8.1	6	894	Yes	0.30	6.80	3
410231	WB	Hybrid	1495	18	23	6	3.7	0.4	8.5	4.6	12.2	5.0	17.2	501	42035	Yes	-0.03	5.97	46

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
410165	TC	Hybrid	2281	2	58	0	4.3	0.3	0.1	20.8	4.4	21.1	25.5	2684	59901	Yes	-0.51	10.99	14
410164	TC	OH	1872	47	1	0	4.7	0.3	21.9	0.1	26.6	0.4	27.0	543	43623	Yes	0.28	8.08	52
410163	TC	Hybrid	1711	30	14	6	4.6	0.5	16.6	4.2	21.2	4.7	25.9	329	33834	Yes	-1.88	8.62	32
410162	TC	Hybrid	1632	0	30	0	4.3	0.8	0.0	16.4	4.3	17.2	21.5	277	50498	Yes	0.42	6.42	16
410161	TC	Hybrid	2319	29	6	2	6.3	0.1	20.2	2.9	26.5	3.0	29.5	356	35784	Yes	-0.76	9.94	53
410033	BR	UG	483	0	20	0	0.0	2.2	0.0	5.4	0.0	7.6	7.6	1	328	Yes	0.10	7.30	1
410032	BR	Hybrid	87	2	16	0	0.8	1.6	0.2	1.4	1.0	3.0	4.0	142	11795	Yes	-0.24	5.66	3
410031	BR	Hybrid	1515	0	29	1	1.9	1.6	0.4	6.8	2.3	8.4	10.7	1	104	Yes	0.21	6.51	1
409964	BR	UG	1045	0	31	0	0.1	5.9	0.0	18.8	0.1	24.7	24.8	0	0	Yes	6.95	6.95	0
409963	BR	Hybrid	3818	28	88	6	14.4	3.3	10.3	32.3	24.7	35.6	60.3	9835	184742	Yes	1.36	16.66	65
409962	BR	Hybrid	1858	2	38	2	4.2	1.0	0.6	19.1	4.8	20.1	24.9	3950	211802	Yes	0.56	10.76	26
409961	BR	Hybrid	1516	12	34	1	6.2	5.0	4.6	23.9	10.8	28.9	39.7	199	55395	Yes	-6.65	10.15	33
409863	BR	Hybrid	1972	1	26	0	2.5	1.8	0.4	9.1	2.9	10.9	13.8	2043	128592	Yes	0.01	4.81	11
409862	BR	Hybrid	3460	2	42	2	3.6	1.0	0.6	11.9	4.2	12.9	17.1	6722	357652	Yes	-0.06	11.14	24
409861	BR	Hybrid	2382	1	23	1	1.4	0.8	0.2	7.6	1.6	8.4	10.0	1475	5490	Yes	-0.36	5.04	5
409766	WB	Hybrid	2414	32	60	7	7.8	5.7	5.5	18.4	13.3	24.1	37.4	5245	120339	Yes	0.13	12.23	42
409765	WB	Hybrid	3847	4	72	3	4.8	2.0	1.8	21.8	6.6	23.8	30.4	1541	59609	Yes	-0.26	11.94	36
409764	WB	Hybrid	4700	7	58	3	6.1	2.4	3.2	20.8	9.3	23.2	32.5	18589	655122	Yes	-0.04	12.96	46
409763	WB	Hybrid	2139	6	78	4	6.8	4.7	1.6	27.4	8.4	32.1	40.5	7235	139492	Yes	-0.07	13.93	54
409762	WB	Hybrid	2647	1	58	0	4.4	2.4	0.0	19.0	4.4	21.4	25.8	459	70704	Yes	0.97	12.37	23
409761	WB	Hybrid	3565	0	71	1	3.5	4.7	0.3	31.5	3.8	36.2	40.0	7714	117350	Yes	-0.58	13.72	23
409634	BR	Hybrid	1035	0	17	1	1.1	1.9	0.9	6.1	2.0	8.0	10.0	28	2669	Yes	0.00	6.20	5
409633	BR	Hybrid	2108	0	31	5	2.6	0.3	1.4	14.3	4.0	14.6	18.6	881	115134	Yes	0.51	8.81	35
409632	BR	Hybrid	180	0	10	0	0.3	0.8	0.1	1.7	0.4	2.5	2.9	0	0	Yes	0.11	3.01	0
409631	BR	Hybrid	189	1	28	0	1.9	0.3	0.1	2.9	2.0	3.2	5.2	29	5966	Yes	0.05	5.35	6
409534	BR	UG	2813	0	41	0	1.1	3.4	0.0	20.4	1.1	23.8	24.9	1078	77187	Yes	-0.30	6.90	24
409533	BR	Hybrid	3329	12	20	4	2.9	1.1	6.4	12.9	9.3	14.0	23.3	3021	214609	Yes	-0.42	7.48	66
409532	BR	Hybrid	1854	2	29	2	3.0	0.2	1.5	18.1	4.5	18.3	22.8	559	80551	Yes	0.00	6.10	29
409531	BR	Hybrid	1615	10	24	5	3.6	0.0	1.5	8.5	5.1	8.5	13.6	3444	82031	Yes	-0.77	5.63	18
409436	WB	Hybrid	530	22	17	7	2.7	2.7	4.1	1.6	6.8	4.3	11.1	1882	72635	Yes	-0.25	4.35	46
409435	WB	Hybrid	1002	12	4	2	1.2	0.2	1.9	0.8	3.1	1.0	4.1	333	35830	Yes	-0.02	2.58	20
409434	WB	Hybrid	333	12	7	1	2.5	0.9	1.9	0.3	4.4	1.2	5.6	90	11846	Yes	-0.15	3.15	13
409433	WB	Hybrid	442	14	6	0	2.3	0.4	3.4	0.7	5.7	1.1	6.8	136	25187	Yes	0.05	2.25	20
409432	WB	Hybrid	821	21	15	1	4.4	0.3	4.6	0.6	9.0	0.9	9.9	1048	35126	Yes	0.52	7.02	39
409431	WB	Hybrid	704	18	10	1	2.1	1.1	3.1	0.9	5.2	2.0	7.2	791	19210	Yes	0.11	3.31	15
409363	TC	Hybrid	453	27	16	3	23.7	1.0	42.6	4.7	66.3	5.7	72.0	1553	111807	Yes	-0.52	4.98	48
409362	TC	Hybrid	250	21	6	5	11.7	0.2	22.5	18.0	34.2	18.2	52.4	1074	146576	Yes	-0.63	1.57	18
409361	TC	Hybrid	918	73	8	14	34.9	2.6	113.5	10.4	148.4	13.0	161.4	2452	118724	Yes	-0.49	4.11	101
409231	BR	Hybrid	22	3	12	0	2.4	0.1	1.6	1.0	4.0	1.1	5.1	3	467	Yes	-1.16	1.14	3
408964	WB	Hybrid	2267	0	40	0	1.6	5.7	0.0	19.3	1.6	25.0	26.6	213	20693	Yes	13.10	13.10	9
408963	WB	Hybrid	3145	20	73	2	8.5	5.8	9.5	22.9	18.0	28.7	46.7	6561	75097	Yes	-0.33	14.97	28

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
408962	WB	Hybrid	1737	0	32	0	3.2	0.6	0.0	13.6	3.2	14.2	17.4	221	27177	Yes	-8.39	7.01	19
408961	WB	Hybrid	1251	2	41	1	3.4	0.8	0.5	14.1	3.9	14.9	18.8	1414	27778	Yes	-0.08	10.32	17
408865	BR	Hybrid	2656	1	46	1	4.6	3.5	0.9	31.9	5.5	35.4	40.9	526	79373	Yes	-0.64	13.26	30
408864	BR	Hybrid	2626	0	44	0	2.4	5.1	0.1	27.3	2.5	32.4	34.9	2845	88600	Yes	-0.14	12.06	11
408863	BR	UG	3134	0	59	0	1.5	7.2	0.0	32.7	1.5	39.9	41.4	273	24333	Yes	-0.25	13.55	13
408862	BR	Hybrid	2955	1	49	1	4.4	2.8	0.3	25.7	4.7	28.5	33.2	5143	163122	Yes	-0.47	11.83	27
408861	BR	Hybrid	2588	4	53	3	4.5	4.4	2.0	26.1	6.5	30.5	37.0	3929	162981	Yes	0.00	13.80	26
408766	TC	Hybrid	312	1	29	1	1.8	1.3	0.1	2.2	1.9	3.5	5.4	320	9838	Yes	-0.81	2.19	3
408765	TC	Hybrid	573	9	31	4	13.9	3.4	13.3	20.3	27.2	23.7	50.9	235	17738	Yes	0.52	4.52	18
408764	TC	Hybrid	2012	0	69	0	5.7	1.0	0.0	19.8	5.7	20.8	26.5	2417	113776	Yes	0.52	11.82	19
408763	TC	Hybrid	3162	0	79	0	2.9	10.2	0.0	43.1	2.9	53.3	56.2	177	27203	Yes	0.26	12.06	11
408762	TC	Hybrid	3153	18	59	2	5.0	1.9	15.8	23.5	20.8	25.4	46.2	6857	290511	Yes	0.49	16.19	61
408761	TC	Hybrid	2521	12	26	1	5.4	1.0	18.1	11.4	23.5	12.4	35.9	2274	62528	Yes	-0.53	9.57	22
408669	WB	Hybrid	542	14	15	11	6.7	9.4	21.3	14.7	28.0	24.1	52.1	2556	71661	Yes	-5.00	2.90	48
408668	WB	Hybrid	2460	16	54	2	5.1	2.1	7.9	32.2	13.0	34.3	47.3	3860	158956	Yes	0.26	13.46	29
408667	WB	Hybrid	1559	4	36	4	3.4	4.0	1.7	22.1	5.1	26.1	31.2	2172	185029	Yes	5.09	11.29	25
408666	WB	Hybrid	2009	14	35	1	7.7	3.5	18.3	23.8	26.0	27.3	53.3	959	92553	Yes	-0.45	10.35	45
408665	WB	Hybrid	1880	0	42	1	4.4	10.8	1.0	33.1	5.4	43.9	49.3	203	22519	Yes	-1.21	10.89	13
408664	WB	Hybrid	1612	8	48	11	10.6	0.6	11.4	32.3	22.0	32.9	54.9	1532	75980	Yes	-3.63	7.67	41
408663	WB	Hybrid	2679	17	67	1	8.8	2.4	11.0	38.1	19.8	40.5	60.3	3836	183711	Yes	-0.03	13.67	49
408662	WB	Hybrid	2131	11	35	2	5.3	4.7	6.1	25.6	11.4	30.3	41.7	2359	33631	Yes	-0.02	14.98	20
408661	WB	Hybrid	2570	0	48	0	3.7	4.8	0.0	36.9	3.7	41.7	45.4	460	90736	Yes	-0.29	14.21	30
408567	WB	UG	1	0	0	0	0.0	1.6	0.0	0.0	0.0	1.6	1.6	0	0	Yes	0.07	0.97	0
408566	WB	Hybrid	1093	28	4	2	6.8	3.7	23.3	2.7	30.1	6.4	36.5	780	68500	Yes	0.27	6.37	50
408565	WB	Hybrid	1549	46	2	1	6.8	3.6	35.4	0.3	42.2	3.9	46.1	1969	58080	Yes	0.36	8.66	62
408564	WB	Hybrid	1450	47	29	0	9.7	1.6	29.3	3.1	39.0	4.7	43.7	1797	80618	Yes	1.86	10.56	61
408563	WB	UG	5	0	11	0	0.0	3.6	0.0	1.6	0.0	5.2	5.2	0	0	Yes	0.25	4.35	0
408562	WB	Hybrid	1981	34	42	15	16.5	6.9	51.4	25.6	67.9	32.5	100.4	1364	172821	Yes	0.57	11.37	105
408561	WB	OH	366	35	1	4	12.5	0.2	28.6	0.9	41.1	1.1	42.2	291	66057	Yes	-0.16	2.14	32
408463	TC	Hybrid	421	67	8	13	45.8	6.1	135.9	5.4	181.7	11.5	193.2	1854	202366	Yes	-0.85	2.15	89
408462	TC	Hybrid	451	39	2	9	6.4	0.3	55.8	4.7	62.2	5.0	67.2	592	177192	Yes	0.02	1.82	65
408461	TC	Hybrid	1238	87	29	5	19.4	1.8	49.7	9.8	69.1	11.6	80.7	1318	95015	Yes	0.00	8.20	61
408335	TC	Hybrid	594	2	21	1	1.7	0.9	0.7	2.7	2.4	3.6	6.0	593	2804	Yes	0.10	3.30	6
408334	TC	Hybrid	1711	53	27	14	5.5	2.3	11.3	7.6	16.8	9.9	26.7	580	86325	Yes	-0.83	8.57	61
408333	TC	Hybrid	1377	6	41	7	4.0	4.0	2.6	8.4	6.6	12.4	19.0	145	16054	Yes	2.28	6.68	15
408332	TC	Hybrid	2429	6	27	4	4.3	1.1	3.4	11.1	7.7	12.2	19.9	4661	91474	Yes	-2.17	7.03	14
408331	TC	Hybrid	3209	8	49	6	4.8	2.1	2.5	18.2	7.3	20.3	27.6	944	93135	Yes	-0.40	9.10	21
408265	TC	Hybrid	2179	33	28	3	6.1	2.5	7.5	11.1	13.6	13.6	27.2	177	27732	Yes	0.03	6.83	39
408264	TC	Hybrid	3607	22	58	5	6.7	0.2	7.8	25.2	14.5	25.4	39.9	511	85044	Yes	-0.35	10.75	58
408263	TC	Hybrid	3225	3	54	1	5.3	3.6	1.7	32.8	7.0	36.4	43.4	661	108837	Yes	-0.32	10.48	27
408262	TC	Hybrid	2792	31	18	9	5.3	0.9	17.2	12.6	22.5	13.5	36.0	860	133315	Yes	-0.04	8.76	66

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
408261	TC	Hybrid	1220	2	28	0	3.7	1.2	0.3	20.6	4.0	21.8	25.8	129	29994	Yes	0.21	5.51	11
408169	WB	Hybrid	2871	37	25	1	4.6	2.5	8.0	11.5	12.6	14.0	26.6	4667	206078	Yes	-0.26	13.14	28
408168	WB	Hybrid	2805	2	54	2	4.6	4.0	0.5	22.7	5.1	26.7	31.8	2831	10037	Yes	-0.78	12.12	8
408167	WB	UG	6	0	7	0	0.0	1.2	0.0	1.1	0.0	2.3	2.3	0	0	Yes	-0.36	5.14	0
408166	WB	Hybrid	2896	1	69	0	3.3	7.0	0.2	26.4	3.5	33.4	36.9	72	8748	Yes	-0.56	14.34	9
408165	WB	Hybrid	1980	11	47	5	3.8	4.3	3.1	21.4	6.9	25.7	32.6	2063	106821	Yes	0.38	10.68	23
408164	WB	Hybrid	1799	40	17	1	5.7	2.1	26.3	10.7	32.0	12.8	44.8	2100	125707	Yes	0.17	9.37	66
408163	WB	Hybrid	2654	2	53	0	2.8	5.2	0.2	29.1	3.0	34.3	37.3	3337	92825	Yes	0.93	13.03	21
408162	WB	Hybrid	1438	0	27	0	1.6	2.5	0.0	8.4	1.6	10.9	12.5	41	3487	Yes	-0.46	4.44	2
408161	WB	Hybrid	1878	11	55	1	4.2	4.7	1.8	30.4	6.0	35.1	41.1	457	62408	Yes	-1.08	12.52	35
408035	BR	Hybrid	1587	12	24	3	4.0	1.0	2.6	2.9	6.6	3.9	10.5	79	8647	Yes	0.33	6.33	11
408034	BR	Hybrid	1451	13	18	1	3.2	0.1	5.5	0.5	8.7	0.6	9.3	382	48369	Yes	-0.07	5.53	47
408033	BR	Hybrid	1079	8	20	6	3.6	0.2	3.0	1.4	6.6	1.6	8.2	156	24610	Yes	-0.19	6.21	19
408032	BR	Hybrid	1829	12	24	6	3.7	0.1	4.7	2.1	8.4	2.2	10.6	2744	95649	Yes	-0.16	7.54	37
408031	BR	Hybrid	1062	8	22	3	2.3	0.1	1.7	2.9	4.0	3.0	7.0	656	35977	Yes	-0.01	4.49	27
407936	BR	Hybrid	2195	28	12	8	4.8	0.4	10.2	1.6	15.0	2.0	17.0	1111	105062	Yes	0.14	7.24	53
407935	BR	Hybrid	2406	1	48	0	3.8	1.2	0.2	18.5	4.0	19.7	23.7	1272	55019	Yes	-0.02	8.08	21
407934	BR	UG	1279	0	18	0	0.0	2.0	0.0	2.9	0.0	4.9	4.9	17	3502	Yes	-0.08	3.72	1
407933	BR	Hybrid	1367	11	38	4	3.6	2.0	1.9	7.0	5.5	9.0	14.5	1032	14205	Yes	0.16	8.06	20
407932	BR	Hybrid	2925	0	54	1	1.6	5.1	0.4	14.2	2.0	19.3	21.3	405	32449	Yes	-0.06	10.34	14
407931	BR	Hybrid	3280	28	39	10	5.3	0.1	9.0	7.3	14.3	7.4	21.7	672	137114	Yes	0.10	10.10	73
407866	BR	Hybrid	2307	6	54	1	4.6	2.9	1.8	25.5	6.4	28.4	34.8	1109	101193	Yes	-0.27	11.53	27
407865	BR	Hybrid	3741	1	56	1	5.3	0.8	0.1	24.0	5.4	24.8	30.2	1667	43121	Yes	-0.03	10.77	22
407864	BR	Hybrid	3913	17	51	5	5.6	0.4	7.6	22.4	13.2	22.8	36.0	569	84130	Yes	0.81	12.51	54
407863	BR	Hybrid	3930	5	56	4	3.7	1.5	1.4	26.9	5.1	28.4	33.5	337	63567	Yes	-0.46	13.74	26
407862	BR	Hybrid	2422	7	42	0	5.4	2.1	1.9	23.1	7.3	25.2	32.5	7232	263689	Yes	0.15	11.55	39
407861	BR	Hybrid	3323	4	56	4	6.1	2.0	0.8	25.1	6.9	27.1	34.0	1026	81520	Yes	-0.02	10.88	31
407737	WB	Hybrid	915	1	21	5	2.4	5.3	1.3	6.2	3.7	11.5	15.2	161	40948	Yes	-0.89	8.11	17
407736	WB	Hybrid	1033	8	14	4	1.9	0.7	4.0	4.3	5.9	5.0	10.9	426	78013	Yes	0.11	5.11	25
407735	WB	Hybrid	1744	11	15	2	3.0	1.1	5.7	7.7	8.7	8.8	17.5	267	44094	Yes	-0.12	8.28	50
407734	WB	Hybrid	912	3	15	0	3.3	2.7	0.2	10.7	3.5	13.4	16.9	1032	19323	Yes	-0.25	5.35	20
407733	WB	UG	745	0	14	0	0.0	2.3	0.0	10.1	0.0	12.4	12.4	1496	71452	Yes	-0.13	4.77	8
407732	WB	Hybrid	1854	14	38	6	2.9	0.6	4.8	9.0	7.7	9.6	17.3	281	28663	Yes	-0.08	7.12	33
407731	WB	Hybrid	2641	0	40	1	2.6	3.8	0.6	23.0	3.2	26.8	30.0	114	17682	Yes	0.22	10.82	10
407667	WB	Hybrid	2569	7	46	1	4.5	1.1	3.5	26.3	8.0	27.4	35.4	1240	111460	Yes	-0.69	15.71	42
407666	WB	OH	1254	123	8	1	14.4	0.6	61.9	1.6	76.3	2.2	78.5	9097	377698	Yes	-0.04	7.26	163
407665	WB	Hybrid	3031	156	24	6	19.1	3.4	100.1	8.1	119.2	11.5	130.7	3666	238323	Yes	0.46	16.06	166
407664	WB	Hybrid	1867	12	26	6	7.0	1.2	25.2	24.1	32.2	25.3	57.5	1331	132909	Yes	0.69	8.69	53
407663	WB	Hybrid	2125	18	45	1	7.0	4.1	9.2	19.7	16.2	23.8	40.0	11896	352994	Yes	0.48	13.38	52
407662	WB	Hybrid	2513	7	41	1	5.8	0.5	2.2	29.0	8.0	29.5	37.5	3092	173748	Yes	-0.23	13.97	53
407661	WB	Hybrid	494	43	23	5	24.0	4.0	31.2	8.3	55.2	12.3	67.5	2910	154826	Yes	0.32	3.82	69

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
407564	TC	Hybrid	2416	14	47	8	5.7	1.9	5.8	18.1	11.5	20.0	31.5	3833	328168	Yes	0.47	9.17	47
407563	TC	Hybrid	309	20	15	2	24.2	2.7	11.0	5.4	35.2	8.1	43.3	504	5566	Yes	0.14	4.24	10
407562	TC	Hybrid	1516	36	57	10	13.2	2.0	28.2	10.9	41.4	12.9	54.3	1019	66043	Yes	0.16	9.56	58
407561	TC	Hybrid	238	17	10	4	10.3	0.4	8.4	7.8	18.7	8.2	26.9	252	13086	Yes	0.47	3.77	8
407464	TC	Hybrid	2306	40	31	4	14.5	3.0	16.9	10.5	31.4	13.5	44.9	2822	56674	Yes	-0.27	9.23	53
407463	TC	Hybrid	1438	58	44	4	20.9	1.2	15.2	12.1	36.1	13.3	49.4	3090	149151	Yes	0.39	5.29	31
407462	TC	Hybrid	2498	47	41	6	15.5	1.4	29.7	22.3	45.2	23.7	68.9	4531	206960	Yes	-0.38	7.92	56
407461	TC	Hybrid	2643	68	20	1	6.3	0.1	22.3	8.7	28.6	8.8	37.4	413	46585	Yes	0.46	9.86	61
407335	WB	Hybrid	1397	18	32	6	4.8	3.3	7.8	20.1	12.6	23.4	36.0	1920	88438	Yes	0.06	7.76	44
407334	WB	Hybrid	1627	5	33	2	3.5	1.9	1.9	16.9	5.4	18.8	24.2	160	25963	Yes	-0.48	5.12	15
407333	WB	Hybrid	1726	36	16	5	5.3	0.5	11.2	4.0	16.5	4.5	21.0	1618	59741	Yes	-0.08	4.72	58
407332	WB	Hybrid	1540	11	41	5	7.2	4.8	3.9	19.4	11.1	24.2	35.3	1801	146701	Yes	0.09	8.39	41
407331	WB	Hybrid	1779	19	35	4	3.1	0.8	4.2	9.1	7.3	9.9	17.2	123	26988	Yes	-0.22	7.08	18
407236	WB	Hybrid	1543	3	29	3	5.8	2.2	4.1	10.2	9.9	12.4	22.3	122	14431	Yes	0.15	6.45	9
407235	WB	Hybrid	1956	29	20	8	7.7	1.6	12.8	6.9	20.5	8.5	29.0	5195	149031	Yes	-0.60	8.60	84
407234	WB	Hybrid	1123	12	20	3	3.5	0.7	3.5	10.3	7.0	11.0	18.0	1345	17394	Yes	-2.02	5.78	16
407233	WB	Hybrid	1805	7	27	1	2.5	1.1	1.2	13.3	3.7	14.4	18.1	2992	55898	Yes	-0.21	6.49	32
407232	WB	Hybrid	1035	13	10	3	3.7	0.1	6.8	5.6	10.5	5.7	16.2	640	55874	Yes	-0.01	3.99	37
407231	WB	Hybrid	1330	24	34	2	6.1	1.1	6.7	19.3	12.8	20.4	33.2	1946	22896	Yes	-2.22	6.18	37
407167	TC	Hybrid	937	44	12	19	7.7	1.3	38.6	15.2	46.3	16.5	62.8	1369	68752	Yes	-0.10	5.80	82
407166	TC	Hybrid	1875	26	35	4	3.5	3.0	6.3	14.1	9.8	17.1	26.9	1619	78789	Yes	-0.08	9.12	25
407165	TC	Hybrid	1933	1	69	0	8.5	8.6	1.0	39.0	9.5	47.6	57.1	2026	85821	Yes	0.78	9.08	24
407164	TC	Hybrid	2569	10	59	3	4.4	4.6	2.9	33.0	7.3	37.6	44.9	467	56536	Yes	0.24	12.04	23
407163	TC	Hybrid	2573	7	52	4	5.0	4.7	5.1	39.2	10.1	43.9	54.0	2333	103569	Yes	0.74	11.54	63
407162	TC	Hybrid	896	14	20	9	10.0	1.8	37.3	10.2	47.3	12.0	59.3	1652	107441	Yes	-0.03	6.37	47
407161	TC	Hybrid	2897	9	47	1	3.4	3.8	5.4	29.6	8.8	33.4	42.2	8908	334269	Yes	-0.09	11.71	45
407037	TC	Hybrid	964	26	21	4	3.9	1.7	6.2	4.8	10.1	6.5	16.6	120	17250	Yes	-0.19	3.51	30
407036	TC	Hybrid	1537	22	29	3	4.0	4.3	5.0	3.8	9.0	8.1	17.1	1847	72509	Yes	0.61	4.81	30
407035	TC	Hybrid	1396	30	21	8	3.7	1.3	7.2	2.8	10.9	4.1	15.0	205	27827	Yes	3.17	6.07	22
407034	TC	Hybrid	527	4	16	2	2.7	0.2	0.8	5.3	3.5	5.5	9.0	5	456	Yes	-0.04	3.76	3
407033	TC	Hybrid	1505	17	19	5	4.9	0.1	7.8	5.2	12.7	5.3	18.0	1032	104714	Yes	-0.58	5.62	35
407032	TC	Hybrid	2287	15	56	7	6.0	3.5	4.1	16.9	10.1	20.4	30.5	1874	40156	Yes	-0.06	8.34	28
407031	TC	Hybrid	2065	30	19	12	4.1	0.6	11.9	4.0	16.0	4.6	20.6	442	70512	Yes	-0.06	5.34	36
406937	BR	UG	1854	0	28	0	0.5	3.0	0.0	13.0	0.5	16.0	16.5	119	26643	Yes	-0.34	6.96	15
406936	BR	Hybrid	1859	0	27	1	3.3	2.0	0.2	13.3	3.5	15.3	18.8	410	77864	Yes	-0.73	5.87	11
406935	BR	Hybrid	2407	0	24	0	1.0	2.0	0.0	10.8	1.0	12.8	13.8	151	9644	Yes	0.08	5.68	6
406934	BR	UG	1681	0	25	0	0.4	2.4	0.0	9.9	0.4	12.3	12.7	204	33176	Yes	-1.04	6.56	12
406933	BR	Hybrid	974	0	25	0	1.0	0.9	0.0	9.3	1.0	10.2	11.2	1652	138499	Yes	-0.54	5.86	6
406932	BR	UG	1381	0	19	0	0.6	1.6	0.0	10.3	0.6	11.9	12.5	135	39683	Yes	-0.17	5.23	10
406931	BR	Hybrid	1506	0	23	0	2.2	0.3	0.0	11.3	2.2	11.6	13.8	756	29254	Yes	-0.07	5.23	6
406867	BR	Hybrid	3328	1	32	1	3.3	1.8	0.2	21.8	3.5	23.6	27.1	5841	239709	Yes	0.28	7.58	18

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406866	BR	Hybrid	3721	0	50	0	2.9	2.7	0.1	23.5	3.0	26.2	29.2	2411	114368	Yes	0.03	8.73	42
406865	BR	Hybrid	1981	0	36	0	3.4	5.9	0.0	26.2	3.4	32.1	35.5	1396	67253	Yes	-1.63	11.37	12
406864	BR	Hybrid	2326	1	43	0	5.9	1.3	0.1	20.2	6.0	21.5	27.5	362	48883	Yes	-0.64	9.16	19
406863	BR	Hybrid	2114	0	39	0	2.8	3.2	0.0	30.0	2.8	33.2	36.0	695	90028	Yes	-0.65	11.65	19
406862	BR	Hybrid	1622	3	37	1	4.2	3.7	1.6	21.6	5.8	25.3	31.1	3858	134363	Yes	0.47	9.97	15
406861	BR	Hybrid	1907	0	33	1	1.4	3.1	0.1	21.9	1.5	25.0	26.5	321	69684	Yes	-0.26	8.04	21
406768	WB	Hybrid	2909	26	25	1	7.1	0.8	24.7	15.9	31.8	16.7	48.5	492	71440	Yes	0.18	13.38	65
406767	WB	OH	2509	58	2	0	10.3	0.2	55.8	1.0	66.1	1.2	67.3	1046	133621	Yes	0.62	12.92	113
406766	WB	Hybrid	2901	39	48	0	10.9	3.4	17.2	31.9	28.1	35.3	63.4	5776	255631	Yes	-0.55	14.85	46
406765	WB	Hybrid	3014	5	52	0	6.4	7.7	3.7	44.4	10.1	52.1	62.2	7531	215279	Yes	-0.16	15.84	37
406764	WB	OH	2292	70	10	1	14.2	0.4	58.0	0.7	72.2	1.1	73.3	729	95165	Yes	-0.37	13.83	100
406763	WB	OH	2094	66	2	0	7.8	0.2	49.5	0.3	57.3	0.5	57.8	1133	97209	Yes	0.52	11.32	91
406762	WB	Hybrid	2317	85	7	0	9.8	0.3	40.0	3.0	49.8	3.3	53.1	981	114916	Yes	0.78	11.88	120
406761	WB	Hybrid	1454	21	6	2	8.4	0.0	28.5	9.7	36.9	9.7	46.6	3843	160689	Yes	0.21	8.41	54
406538	BR	Hybrid	1778	6	27	2	3.6	1.3	1.0	20.0	4.6	21.3	25.9	450	50322	Yes	8.18	8.18	27
406537	BR	Hybrid	229	0	15	1	0.6	2.0	0.1	1.6	0.7	3.6	4.3	3	1222	Yes	-0.18	4.72	2
406536	BR	Hybrid	2100	16	37	4	4.1	0.4	3.3	15.1	7.4	15.5	22.9	2564	55420	Yes	-0.90	8.10	35
406535	BR	Hybrid	2345	14	28	1	3.4	0.9	9.0	7.6	12.4	8.5	20.9	1204	73285	Yes	-0.16	9.44	51
406534	BR	Hybrid	920	0	21	2	1.9	0.1	0.6	5.5	2.5	5.6	8.1	75	7451	Yes	-6.60	3.60	9
406533	BR	Hybrid	1969	22	33	1	4.1	2.8	6.2	15.7	10.3	18.5	28.8	392	41455	Yes	-0.55	8.25	35
406532	BR	Hybrid	1821	16	39	0	4.5	1.2	4.5	14.2	9.0	15.4	24.4	2145	53344	Yes	0.13	6.73	38
406531	BR	Hybrid	1736	4	32	0	2.4	0.9	0.3	13.9	2.7	14.8	17.5	93	7772	Yes	-0.35	7.35	4
406435	TC	Hybrid	1758	30	25	2	5.8	0.8	12.5	7.9	18.3	8.7	27.0	1539	36279	Yes	-0.10	6.60	27
406434	TC	Hybrid	1705	7	27	3	3.9	0.1	7.0	11.4	10.9	11.5	22.4	2445	214212	Yes	0.11	6.81	38
406433	TC	Hybrid	1901	10	40	2	4.6	0.9	5.7	9.4	10.3	10.3	20.6	1851	91228	Yes	0.21	6.91	21
406432	TC	Hybrid	474	0	16	1	1.6	0.2	0.1	1.5	1.7	1.7	3.4	0	0	Yes	-0.21	3.59	0
406431	TC	Hybrid	1863	6	25	3	3.6	0.7	1.1	16.8	4.7	17.5	22.2	130	17067	Yes	0.04	6.64	18
406337	WB	Hybrid	3057	8	33	3	3.4	1.4	2.3	14.7	5.7	16.1	21.8	3330	106922	Yes	-0.03	7.07	29
406336	WB	Hybrid	1909	5	27	0	1.9	1.2	0.9	9.9	2.8	11.1	13.9	39	9352	Yes	-0.51	8.79	7
406335	WB	Hybrid	880	0	21	1	2.6	1.1	0.3	9.1	2.9	10.2	13.1	1094	26212	Yes	-0.50	9.10	16
406334	WB	Hybrid	1466	1	26	4	3.6	0.7	1.1	9.6	4.7	10.3	15.0	132	14653	Yes	-0.79	8.31	17
406333	WB	Hybrid	2032	0	30	0	2.8	1.1	0.0	9.4	2.8	10.5	13.3	80	11739	Yes	-0.21	5.49	13
406332	WB	Hybrid	2763	0	35	2	3.1	0.1	0.1	21.1	3.2	21.2	24.4	162	15854	Yes	-0.01	7.19	7
406331	WB	Hybrid	1181	1	27	0	2.4	0.1	0.0	8.7	2.4	8.8	11.2	1354	63110	Yes	-5.79	3.81	19
406237	WB	Hybrid	813	6	27	5	3.3	2.1	1.6	8.6	4.9	10.7	15.6	29	3392	Yes	0.48	5.58	12
406236	WB	Hybrid	1567	13	41	1	3.7	1.9	1.8	10.5	5.5	12.4	17.9	1770	130064	Yes	-0.19	9.11	16
406235	WB	Hybrid	2279	15	53	5	3.9	1.9	2.6	6.9	6.5	8.8	15.3	1995	15273	Yes	-0.50	5.90	22
406234	WB	Hybrid	1749	0	35	2	2.8	4.1	0.5	21.2	3.3	25.3	28.6	1797	95600	Yes	-0.18	8.22	12
406233	WB	Hybrid	2162	0	39	3	2.7	1.5	0.7	13.5	3.4	15.0	18.4	381	34148	Yes	-0.19	8.31	22
406232	WB	Hybrid	2967	1	34	7	2.6	2.3	1.6	12.6	4.2	14.9	19.1	5575	134395	Yes	-0.53	7.07	21
406231	WB	Hybrid	3153	0	46	0	3.2	0.3	0.0	18.0	3.2	18.3	21.5	2541	144639	Yes	0.00	8.40	23

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
406167	TC	OH	2351	65	0	0	5.7	0.5	26.1	0.0	31.8	0.5	32.3	184	16030	Yes	0.62	10.72	46
406166	TC	Hybrid	2341	17	46	0	7.3	0.3	16.1	13.9	23.4	14.2	37.6	8446	251569	Yes	-0.02	10.38	66
406165	TC	OH	3186	60	4	1	10.1	0.7	30.9	0.3	41.0	1.0	42.0	1596	70625	Yes	0.80	12.90	60
406164	TC	OH	3146	47	11	0	6.9	0.3	38.3	1.9	45.2	2.2	47.4	6415	109462	Yes	-0.07	14.13	78
406163	TC	Hybrid	3452	49	13	2	6.7	1.7	33.6	6.9	40.3	8.6	48.9	3126	122326	Yes	-0.74	15.26	98
406162	TC	OH	1847	37	12	1	5.9	0.3	20.2	0.9	26.1	1.2	27.3	1515	52731	Yes	0.43	10.13	57
406161	TC	OH	3075	47	7	2	6.2	0.6	39.3	0.5	45.5	1.1	46.6	1011	95829	Yes	-4.71	14.09	80
406064	TC	Hybrid	750	62	17	5	29.2	1.9	62.3	11.3	91.5	13.2	104.7	1210	66192	Yes	0.26	5.26	33
406063	TC	Hybrid	3041	100	36	13	36.9	0.4	69.3	38.7	106.2	39.1	145.3	3884	103944	Yes	-0.45	7.85	83
406062	TC	Hybrid	3888	61	13	13	13.4	6.3	44.7	12.3	58.1	18.6	76.7	4100	254544	Yes	-0.63	11.47	82
406061	TC	Hybrid	1408	63	13	2	20.6	1.4	43.0	4.4	63.6	5.8	69.4	1640	39490	Yes	-1.21	7.09	67
405940	BR	Hybrid	1870	5	30	2	2.9	2.8	0.7	13.3	3.6	16.1	19.7	333	52500	Yes	-0.55	7.15	31
405939	BR	Hybrid	1795	1	24	0	1.3	2.7	0.1	15.1	1.4	17.8	19.2	112	23353	Yes	0.74	6.34	10
405938	BR	Hybrid	312	2	9	0	0.4	3.3	0.2	3.3	0.6	6.6	7.2	332	10424	Yes	-0.52	4.58	3
405937	BR	UG	767	0	19	0	0.0	2.2	0.0	8.7	0.0	10.9	10.9	24	4734	Yes	0.27	6.87	10
405936	BR	UG	1531	0	25	0	0.7	3.2	0.0	11.1	0.7	14.3	15.0	5123	292512	Yes	0.19	5.79	29
405935	BR	Hybrid	1159	0	23	0	0.8	1.3	0.0	8.2	0.8	9.5	10.3	147	16232	Yes	-0.29	6.11	4
405934	BR	Hybrid	1325	1	25	0	2.2	1.9	0.1	12.0	2.3	13.9	16.2	539	71199	Yes	0.59	6.99	21
405933	BR	Hybrid	1026	0	14	0	1.3	0.2	0.0	3.4	1.3	3.6	4.9	1057	34948	Yes	-0.22	2.98	3
405932	BR	Hybrid	1332	0	30	0	2.8	1.0	0.0	14.1	2.8	15.1	17.9	307	41250	Yes	-0.63	6.17	22
405931	BR	Hybrid	1042	0	26	0	1.6	1.6	0.0	13.5	1.6	15.1	16.7	1077	31031	Yes	-0.26	6.84	7
405869	BR	Hybrid	3190	11	56	1	5.9	3.0	2.1	33.0	8.0	36.0	44.0	1004	50696	Yes	-0.49	10.31	36
405868	BR	Hybrid	4857	1	84	0	5.7	5.9	0.3	33.8	6.0	39.7	45.7	355	42744	Yes	-0.41	11.79	20
405867	BR	Hybrid	3419	5	49	9	4.8	0.7	2.1	16.5	6.9	17.2	24.1	598	105433	Yes	0.01	10.01	20
405866	BR	Hybrid	4604	2	49	3	3.4	1.2	1.7	28.1	5.1	29.3	34.4	826	71237	Yes	-1.04	10.66	22
405865	BR	Hybrid	3918	20	59	2	7.0	2.2	3.6	28.2	10.6	30.4	41.0	3117	58147	Yes	-0.65	11.25	43
405864	BR	Hybrid	1954	1	34	0	5.6	5.0	0.2	21.6	5.8	26.6	32.4	1515	120824	Yes	-0.52	11.58	25
405863	BR	Hybrid	3049	0	42	0	3.7	4.7	0.0	30.5	3.7	35.2	38.9	4487	58984	Yes	-0.11	10.89	20
405862	BR	Hybrid	5086	1	70	1	6.4	1.5	0.3	28.9	6.7	30.4	37.1	4199	321038	Yes	0.88	11.58	39
405861	BR	Hybrid	3138	6	58	2	4.4	1.4	1.5	20.8	5.9	22.2	28.1	4192	169899	Yes	1.17	9.77	49
405765	TC	Hybrid	3508	62	22	1	9.0	0.7	36.9	6.4	45.9	7.1	53.0	11184	246905	Yes	1.12	13.92	99
405764	TC	Hybrid	1418	18	9	2	5.3	0.3	13.7	5.4	19.0	5.7	24.7	322	43949	Yes	0.09	5.59	22
405763	TC	Hybrid	1164	23	30	8	5.5	0.5	9.1	3.9	14.6	4.4	19.0	620	21348	Yes	0.15	7.75	22
405762	TC	Hybrid	3276	59	17	19	8.7	0.6	26.8	8.6	35.5	9.2	44.7	458	56555	Yes	0.18	8.98	44
405761	TC	Hybrid	2422	73	31	5	9.3	1.8	27.3	12.6	36.6	14.4	51.0	653	104777	Yes	-0.18	8.92	56
405639	BR	Hybrid	2480	7	22	0	2.4	1.7	3.4	11.0	5.8	12.7	18.5	10466	523598	Yes	-0.24	5.76	34
405638	BR	Hybrid	2189	0	37	0	3.1	0.6	0.0	16.6	3.1	17.2	20.3	5013	204621	Yes	-0.59	7.61	24
405637	BR	Hybrid	1960	24	24	3	5.1	0.8	9.8	10.9	14.9	11.7	26.6	5415	95744	Yes	-0.24	8.16	39
405636	BR	Hybrid	1608	1	29	0	3.3	0.1	0.0	13.4	3.3	13.5	16.8	104	16468	Yes	-0.15	5.85	12
405635	BR	Hybrid	1817	6	27	0	3.2	0.1	0.6	8.2	3.8	8.3	12.1	3752	33656	Yes	0.13	4.43	12
405634	BR	Hybrid	3032	11	40	3	5.1	0.5	7.3	7.5	12.4	8.0	20.4	2607	108241	Yes	-0.01	7.99	43

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
405633	BR	Hybrid	2205	11	33	1	3.4	0.5	2.2	9.7	5.6	10.2	15.8	3917	52256	Yes	-0.19	6.51	22
405632	BR	Hybrid	2248	2	46	2	2.3	0.7	0.7	13.0	3.0	13.7	16.7	4081	125402	Yes	0.37	8.47	42
405631	BR	Hybrid	2619	8	43	1	4.6	1.3	1.2	14.9	5.8	16.2	22.0	125	12273	Yes	-0.26	8.04	14
405536	TC	Hybrid	1722	28	30	2	5.3	0.6	8.4	10.2	13.7	10.8	24.5	421	49980	Yes	-0.03	6.77	60
405535	TC	Hybrid	982	4	21	3	3.5	0.2	2.5	5.2	6.0	5.4	11.4	137	22578	Yes	-0.25	2.15	12
405534	TC	Hybrid	1746	10	25	3	4.0	0.4	3.3	6.3	7.3	6.7	14.0	74	7527	Yes	0.02	5.42	18
405533	TC	Hybrid	1541	30	9	1	6.6	0.7	18.6	3.2	25.2	3.9	29.1	2021	130475	Yes	0.40	6.40	36
405532	TC	Hybrid	1872	22	21	1	6.6	0.2	11.6	7.0	18.2	7.2	25.4	428	55944	Yes	0.06	4.36	29
405531	TC	Hybrid	2343	26	13	3	5.5	0.7	21.7	5.7	27.2	6.4	33.6	1347	57665	Yes	0.11	9.21	48
405469	BR	UG	1444	0	28	0	0.0	4.4	0.0	20.4	0.0	24.8	24.8	67	10149	Yes	-0.56	11.94	5
405468	BR	UG	1384	0	24	1	0.1	5.1	0.1	18.1	0.2	23.2	23.4	1459	70575	Yes	-0.20	8.70	8
405467	BR	Hybrid	1737	2	37	1	2.4	3.4	0.3	24.7	2.7	28.1	30.8	9195	241548	Yes	-0.33	12.27	41
405466	BR	Hybrid	1996	2	37	4	4.4	1.4	2.2	27.0	6.6	28.4	35.0	2014	105653	Yes	-0.78	11.62	50
405465	BR	Hybrid	2139	0	36	0	2.1	5.5	0.0	29.9	2.1	35.4	37.5	3226	190872	Yes	-0.99	11.91	21
405464	BR	Hybrid	2281	1	40	2	2.4	4.9	0.8	31.5	3.2	36.4	39.6	2302	186859	Yes	-0.49	12.81	35
405463	BR	Hybrid	1605	1	39	0	3.8	2.5	0.1	26.3	3.9	28.8	32.7	6140	145465	Yes	-1.21	13.29	17
405462	BR	Hybrid	2646	0	34	0	2.4	3.7	0.0	22.9	2.4	26.6	29.0	2080	87367	Yes	-4.56	7.64	20
405461	BR	Hybrid	3520	4	71	1	3.9	4.1	0.7	28.1	4.6	32.2	36.8	321	43881	Yes	-0.19	13.31	30
405340	WB	Hybrid	1228	3	22	2	1.9	1.4	0.6	6.4	2.5	7.8	10.3	128	12498	Yes	-0.07	5.13	9
405339	WB	Hybrid	16	1	2	0	0.3	0.5	0.2	0.1	0.5	0.6	1.1	3	227	Yes	0.00	1.80	3
405338	WB	UG	0	0	0	0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0	0	Yes	-0.09	4.91	0
405337	WB	Hybrid	402	0	19	0	3.6	0.3	0.0	3.9	3.6	4.2	7.8	32	10054	Yes	0.05	4.05	9
405336	WB	Hybrid	1732	7	32	3	3.1	1.6	4.7	8.2	7.8	9.8	17.6	1570	35435	Yes	-0.21	8.69	37
405335	WB	Hybrid	1845	1	32	3	3.2	1.5	1.0	10.6	4.2	12.1	16.3	1963	27731	Yes	0.04	6.54	10
405334	WB	Hybrid	1063	6	17	5	3.3	2.3	4.8	7.0	8.1	9.3	17.4	129	20859	Yes	0.14	4.54	23
405333	WB	Hybrid	1310	0	40	2	5.7	0.3	1.3	11.1	7.0	11.4	18.4	2738	142153	Yes	0.04	7.44	33
405332	WB	Hybrid	1274	4	28	3	4.1	1.2	1.0	6.1	5.1	7.3	12.4	32	1668	Yes	0.60	8.10	7
405331	WB	Hybrid	1556	3	28	2	7.6	3.3	1.5	20.7	9.1	24.0	33.1	66	5689	Yes	-0.09	7.31	10
405269	WB	Hybrid	2630	6	59	8	5.6	1.7	4.0	20.4	9.6	22.1	31.7	4043	171361	Yes	1.05	12.25	41
405268	WB	UG	1517	0	40	0	0.8	5.3	0.0	17.3	0.8	22.6	23.4	60	9289	Yes	0.14	9.84	7
405267	WB	Hybrid	239	0	4	0	1.0	4.3	0.0	1.0	1.0	5.3	6.3	239	7292	Yes	0.26	9.56	2
405266	WB	Hybrid	2520	11	63	1	5.3	2.4	4.1	22.5	9.4	24.9	34.3	2789	187264	Yes	-0.56	15.14	19
405265	WB	Hybrid	2939	3	49	1	3.9	0.8	2.4	22.2	6.3	23.0	29.3	1632	107187	Yes	-0.41	11.49	61
405264	WB	Hybrid	1244	6	42	3	5.9	1.1	2.5	15.3	8.4	16.4	24.8	295	25583	Yes	1.11	13.51	28
405263	WB	Hybrid	3116	2	64	0	6.1	0.3	1.1	29.4	7.2	29.7	36.9	2627	107381	Yes	-0.26	12.84	83
405262	WB	Hybrid	2338	2	37	1	4.9	2.5	0.9	25.5	5.8	28.0	33.8	595	81072	Yes	0.07	9.07	33
405261	WB	Hybrid	2547	2	57	0	7.8	1.4	0.7	28.0	8.5	29.4	37.9	714	140371	Yes	-1.23	10.97	34
405134	TC	Hybrid	3798	0	60	3	3.3	16.1	1.5	11.6	4.8	27.7	32.5	2188	38339	Yes	-0.13	7.07	37
405133	TC	Hybrid	12	2	1	0	0.8	1.9	0.5	0.6	1.3	2.5	3.8	23	1648	Yes	0.03	0.13	5
405132	TC	Hybrid	23	6	14	2	3.2	0.9	0.9	5.5	4.1	6.4	10.5	15	5322	Yes	-0.37	2.83	3
405131	TC	Hybrid	2012	0	21	0	0.9	6.4	0.0	9.3	0.9	15.7	16.6	102	13709	Yes	-0.03	3.57	19

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
405039	BR	Hybrid	1577	2	33	1	2.7	1.7	0.9	15.1	3.6	16.8	20.4	1127	82897	Yes	0.08	6.28	17
405038	BR	Hybrid	897	2	22	0	1.6	2.6	0.1	13.6	1.7	16.2	17.9	97	12882	Yes	-0.08	5.52	12
405037	BR	UG	1404	0	15	0	0.2	3.3	0.0	17.1	0.2	20.4	20.6	77	6807	Yes	0.03	6.73	4
405036	BR	Hybrid	2356	0	43	0	3.7	0.1	0.0	18.6	3.7	18.7	22.4	2762	50483	Yes	0.36	7.96	18
405035	BR	Hybrid	2146	3	27	0	3.4	0.6	1.6	10.6	5.0	11.2	16.2	1115	52948	Yes	-0.18	7.32	18
405034	BR	Hybrid	1108	0	22	1	2.4	0.7	0.8	12.7	3.2	13.4	16.6	261	35184	Yes	0.05	6.25	26
405033	BR	Hybrid	765	0	19	0	3.0	0.3	0.0	9.4	3.0	9.7	12.7	227	22284	Yes	-0.11	3.99	8
405032	BR	Hybrid	2098	5	31	2	2.6	0.9	0.5	11.8	3.1	12.7	15.8	366	63051	Yes	-0.86	8.04	23
405031	BR	Hybrid	1796	0	39	0	2.5	0.5	0.0	10.0	2.5	10.5	13.0	1274	71735	Yes	-0.36	6.34	16
404939	TC	Hybrid	1673	23	26	3	5.2	1.4	6.1	14.5	11.3	15.9	27.2	163	33000	Yes	-0.10	7.80	30
404938	TC	Hybrid	969	34	26	6	6.4	3.0	7.8	14.9	14.2	17.9	32.1	90	14266	Yes	0.11	6.61	25
404937	TC	Hybrid	2131	31	30	6	7.0	1.4	6.9	20.4	13.9	21.8	35.7	3506	83317	Yes	-0.40	8.70	30
404936	TC	Hybrid	1726	45	25	5	6.2	0.1	10.3	3.9	16.5	4.0	20.5	2124	166168	Yes	-0.03	6.77	57
404935	TC	Hybrid	1512	12	22	1	4.3	0.1	3.0	6.1	7.3	6.2	13.5	260	29250	Yes	-0.17	4.43	24
404934	TC	Hybrid	774	9	25	5	5.0	0.2	3.6	1.8	8.6	2.0	10.6	1034	70861	Yes	-0.19	9.01	21
404933	TC	Hybrid	1756	13	37	5	4.4	4.8	3.8	18.1	8.2	22.9	31.1	258	36978	Yes	-0.36	9.64	33
404932	TC	Hybrid	1204	16	22	4	4.4	0.3	2.9	10.2	7.3	10.5	17.8	129	22763	Yes	0.03	6.63	20
404931	TC	Hybrid	1999	21	31	3	5.8	0.8	7.7	7.1	13.5	7.9	21.4	508	83604	Yes	-0.09	6.91	33
404841	BR	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	#N/A	#N/A	#N/A	0
404840	BR	Hybrid	2080	9	20	0	2.4	0.7	3.1	7.2	5.5	7.9	13.4	831	92883	Yes	-0.20	5.90	26
404839	BR	Hybrid	1699	30	24	9	4.0	0.9	7.1	1.5	11.1	2.4	13.5	4071	192088	Yes	0.83	6.93	85
404838	BR	Hybrid	2514	9	54	9	4.2	0.5	2.6	8.3	6.8	8.8	15.6	1452	75605	Yes	0.32	9.22	23
404837	BR	Hybrid	1917	11	29	8	5.0	0.3	5.4	4.7	10.4	5.0	15.4	3827	58239	Yes	-0.01	7.99	45
404836	BR	Hybrid	1451	7	55	3	3.5	0.8	0.9	3.9	4.4	4.7	9.1	3521	80871	Yes	-0.13	6.87	16
404835	BR	Hybrid	2024	17	22	7	4.9	0.2	6.8	4.8	11.7	5.0	16.7	257	33006	Yes	-0.12	4.78	34
404834	BR	Hybrid	1681	1	36	3	2.8	0.2	0.6	9.4	3.4	9.6	13.0	590	58920	Yes	-0.03	5.87	31
404833	BR	Hybrid	2904	12	40	1	4.2	0.6	3.7	14.6	7.9	15.2	23.1	1297	98691	Yes	0.35	8.65	33
404832	BR	Hybrid	2659	3	55	3	4.6	1.9	0.8	17.0	5.4	18.9	24.3	6088	157549	Yes	0.07	7.57	16
404831	BR	Hybrid	2300	19	37	4	5.7	0.3	6.6	9.6	12.3	9.9	22.2	303	59191	Yes	0.26	9.46	56
404741	BR	UG	819	0	16	0	0.1	4.0	0.0	1.0	0.1	5.0	5.1	5139	146770	Yes	4.27	4.27	5
404740	BR	UG	807	1	17	0	0.3	3.0	0.1	15.1	0.4	18.1	18.5	832	37807	Yes	-0.40	7.80	16
404739	BR	Hybrid	2146	10	30	9	2.1	1.6	5.4	4.6	7.5	6.2	13.7	270	60245	Yes	-0.20	7.70	29
404738	BR	Hybrid	609	3	19	3	1.6	1.0	0.6	0.7	2.2	1.7	3.9	122	25158	Yes	0.03	4.43	8
404737	BR	Hybrid	753	5	5	5	1.8	0.2	4.0	1.6	5.8	1.8	7.6	297	55137	Yes	-0.15	3.25	20
404736	BR	Hybrid	1437	3	21	1	1.3	2.0	0.2	4.3	1.5	6.3	7.8	2367	137937	Yes	-0.43	5.87	16
404735	BR	Hybrid	1896	6	24	1	3.6	1.4	3.0	12.7	6.6	14.1	20.7	490	58850	Yes	-0.34	7.06	48
404734	BR	Hybrid	1836	1	20	0	4.7	2.5	0.1	9.4	4.8	11.9	16.7	363	58352	Yes	-0.05	5.85	12
404733	BR	Hybrid	1150	1	17	1	2.0	0.1	0.6	9.7	2.6	9.8	12.4	1274	39843	Yes	-0.14	5.36	21
404732	BR	Hybrid	1635	23	10	3	3.3	0.1	12.1	2.3	15.4	2.4	17.8	3423	162330	Yes	-0.03	7.77	78
404731	BR	Hybrid	954	7	21	3	3.2	0.7	3.6	4.1	6.8	4.8	11.6	1606	145237	Yes	-0.11	6.39	37
404633	TC	Hybrid	14	1	8	1	1.6	1.0	0.4	0.2	2.0	1.2	3.2	1	106	Yes	-0.11	2.89	1

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
404632	TC	Hybrid	162	15	3	3	16.1	0.1	6.8	1.9	22.9	2.0	24.9	700	52128	Yes	-0.08	0.82	19
404631	TC	Hybrid	2338	32	31	18	10.8	0.1	41.5	12.7	52.3	12.8	65.1	1083	177237	Yes	-0.21	9.69	63
404533	WB	Hybrid	1220	31	6	1	3.0	0.1	8.2	0.6	11.2	0.7	11.9	2669	196007	Yes	0.19	7.19	66
404532	WB	Hybrid	2342	8	46	3	3.7	2.2	2.5	5.8	6.2	8.0	14.2	2938	213575	Yes	-0.64	7.96	18
404531	WB	Hybrid	1731	37	4	8	4.0	0.1	8.1	0.8	12.1	0.9	13.0	879	53224	Yes	-0.23	7.27	57
404438	WB	Hybrid	2035	12	31	5	4.1	0.0	3.8	7.5	7.9	7.5	15.4	541	83055	Yes	0.04	7.84	37
404437	WB	Hybrid	2205	21	24	5	3.3	0.7	7.6	4.3	10.9	5.0	15.9	5455	213847	Yes	0.06	7.16	52
404436	WB	Hybrid	2886	12	33	3	4.6	0.5	2.5	11.2	7.1	11.7	18.8	1018	143084	Yes	-0.47	7.03	42
404435	WB	Hybrid	2238	9	27	4	3.0	0.0	2.0	5.8	5.0	5.8	10.8	592	88260	Yes	-0.01	6.39	18
404434	WB	Hybrid	2376	25	19	5	2.8	0.2	7.6	7.0	10.4	7.2	17.6	5282	319888	Yes	0.06	7.16	72
404433	WB	Hybrid	2301	16	25	6	3.5	0.8	7.2	3.4	10.7	4.2	14.9	444	83262	Yes	-0.47	7.53	39
404432	WB	Hybrid	2318	18	37	2	4.3	0.0	3.9	7.9	8.2	7.9	16.1	626	86315	Yes	-0.21	6.19	39
404431	WB	Hybrid	1170	11	12	6	1.9	0.0	3.6	3.5	5.5	3.5	9.0	184	19385	Yes	0.00	4.70	21
404339	BR	UG	2	0	1	0	0.0	1.6	0.0	0.1	0.0	1.7	1.7	0	0	Yes	-0.02	6.58	0
404338	BR	Hybrid	581	0	22	0	1.3	3.1	0.0	9.2	1.3	12.3	13.6	84	10153	Yes	0.21	6.51	12
404337	BR	Hybrid	281	2	31	0	1.8	3.0	0.9	2.4	2.7	5.4	8.1	333	21507	Yes	-0.30	7.00	6
404336	BR	Hybrid	1024	5	43	3	3.7	1.6	3.1	12.3	6.8	13.9	20.7	675	55968	Yes	-0.10	8.50	23
404335	BR	Hybrid	298	0	14	0	0.7	1.6	0.0	4.6	0.7	6.2	6.9	17	2081	Yes	0.08	3.78	11
404334	BR	Hybrid	514	0	26	0	1.6	1.4	0.0	6.6	1.6	8.0	9.6	16	583	Yes	0.10	6.30	3
404333	BR	Hybrid	351	6	16	4	2.7	0.5	0.8	3.1	3.5	3.6	7.1	98	15510	Yes	-0.33	6.77	10
404332	BR	UG	0	0	0	0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0	0	Yes	0.87	4.17	0
404331	BR	UG	1	0	0	0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0	0	Yes	-1.60	3.40	0
404242	BR	Hybrid	441	6	15	4	1.4	1.0	0.7	1.0	2.1	2.0	4.1	60	17310	Yes	-0.22	4.08	6
404241	BR	Hybrid	1174	3	32	1	2.0	2.0	0.5	6.0	2.5	8.0	10.5	82	7798	Yes	0.03	5.83	8
404240	BR	UG	1417	0	30	0	0.8	3.0	0.0	13.3	0.8	16.3	17.1	8	2360	Yes	-0.26	7.74	8
404239	BR	Hybrid	1431	7	24	2	4.9	0.5	3.5	6.0	8.4	6.5	14.9	3277	56330	Yes	0.08	5.48	31
404238	BR	UG	64	0	17	0	0.2	1.9	0.0	3.5	0.2	5.4	5.6	1	74	Yes	-0.25	6.75	1
404237	BR	Hybrid	457	0	25	0	1.5	1.8	0.0	6.4	1.5	8.2	9.7	450	46537	Yes	-0.11	5.79	19
404236	BR	Hybrid	561	9	12	1	1.9	1.6	2.2	2.3	4.1	3.9	8.0	77	23668	Yes	-0.27	3.63	10
404235	BR	Hybrid	541	1	24	1	2.7	0.6	0.1	2.4	2.8	3.0	5.8	23	1641	Yes	-0.12	5.98	4
404234	BR	Hybrid	2410	4	24	2	1.4	2.7	1.0	5.1	2.4	7.8	10.2	145	29350	Yes	-0.14	7.26	15
404233	BR	Hybrid	2526	2	40	1	2.4	0.4	0.4	2.9	2.8	3.3	6.1	5095	329280	Yes	0.01	6.91	8
404232	BR	Hybrid	2146	10	30	5	2.5	0.9	2.8	7.5	5.3	8.4	13.7	3931	292901	Yes	-0.13	5.67	28
404231	BR	Hybrid	2184	6	38	6	2.2	0.6	2.9	12.5	5.1	13.1	18.2	217	24856	Yes	-0.04	7.86	23
404140	BR	UG	2	0	2	0	0.0	0.6	0.0	0.3	0.0	0.9	0.9	0	0	Yes	-0.09	4.61	0
404139	BR	Hybrid	2502	2	70	0	3.8	0.4	0.2	14.1	4.0	14.5	18.5	5851	182917	Yes	-0.13	8.07	41
404138	BR	Hybrid	1654	1	31	2	2.0	2.7	0.4	8.9	2.4	11.6	14.0	43	9070	Yes	0.02	6.92	5
404137	BR	Hybrid	1957	1	49	1	5.8	1.1	0.3	16.5	6.1	17.6	23.7	377	54798	Yes	-0.45	7.05	14
404136	BR	Hybrid	4572	28	48	9	4.1	2.0	6.4	17.2	10.5	19.2	29.7	4924	167220	Yes	0.30	9.40	58
404135	BR	Hybrid	2379	27	22	11	5.4	0.2	9.5	7.9	14.9	8.1	23.0	496	85100	Yes	0.04	9.04	59
404134	BR	Hybrid	1306	6	32	4	4.0	0.6	2.1	9.3	6.1	9.9	16.0	1588	80376	Yes	-0.43	7.17	19

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
404133	BR	Hybrid	809	6	8	1	1.3	0.1	5.5	0.9	6.8	1.0	7.8	802	124160	Yes	-0.01	3.89	48
404132	BR	Hybrid	2579	9	33	8	2.9	0.9	3.5	5.6	6.4	6.5	12.9	2975	147955	Yes	-0.11	7.19	22
404131	BR	Hybrid	1786	12	36	2	4.0	0.1	4.2	13.7	8.2	13.8	22.0	2270	68946	Yes	-0.15	6.95	37
404040	WB	Hybrid	550	9	24	5	2.6	0.3	2.4	2.3	5.0	2.6	7.6	46	5669	Yes	-0.33	4.87	16
404039	WB	Hybrid	951	0	32	0	1.7	1.6	0.0	4.6	1.7	6.2	7.9	4	433	Yes	-0.28	5.62	2
404038	WB	Hybrid	2149	8	47	2	3.2	0.6	4.2	5.7	7.4	6.3	13.7	2487	144021	Yes	-0.14	7.96	57
404037	WB	Hybrid	3723	10	25	0	2.8	3.4	1.7	11.8	4.5	15.2	19.7	477	36096	Yes	-0.54	7.36	17
404036	WB	Hybrid	1501	12	15	0	2.0	0.8	3.1	4.2	5.1	5.0	10.1	2025	104881	Yes	-0.12	3.68	21
404035	WB	Hybrid	2134	21	29	6	4.9	0.2	6.1	4.3	11.0	4.5	15.5	4271	78475	Yes	-0.83	7.67	56
404034	WB	Hybrid	3326	3	34	0	3.3	0.2	0.8	10.5	4.1	10.7	14.8	951	119963	Yes	-1.01	4.79	13
404033	WB	Hybrid	1594	0	37	0	2.6	0.1	0.0	6.8	2.6	6.9	9.5	1915	39466	Yes	0.55	6.45	4
404032	WB	Hybrid	1805	33	14	6	3.6	0.3	8.2	2.7	11.8	3.0	14.8	943	112051	Yes	-0.18	7.22	63
404031	WB	Hybrid	773	18	19	3	3.7	0.2	4.9	0.6	8.6	0.8	9.4	170	20956	Yes	-0.62	5.78	25
403937	WB	Hybrid	2071	4	28	0	1.4	1.6	1.1	3.8	2.5	5.4	7.9	1170	70154	Yes	-0.24	6.06	11
403936	WB	Hybrid	1449	8	27	1	2.6	0.6	5.3	3.9	7.9	4.5	12.4	1841	181094	Yes	0.26	7.06	24
403935	WB	Hybrid	2307	25	18	6	4.8	0.3	8.6	4.3	13.4	4.6	18.0	4054	174848	Yes	-0.54	7.76	59
403934	WB	Hybrid	1798	22	14	9	3.8	0.5	5.4	2.4	9.2	2.9	12.1	1242	99089	Yes	0.02	7.62	21
403933	WB	Hybrid	1715	8	26	3	2.1	1.5	1.9	3.1	4.0	4.6	8.6	1777	13947	Yes	0.39	5.59	15
403932	WB	OH	1861	42	6	1	4.2	0.2	9.6	0.5	13.8	0.7	14.5	416	77799	Yes	0.04	6.64	38
403931	WB	Hybrid	2434	29	24	3	5.1	0.1	8.4	1.9	13.5	2.0	15.5	2118	172113	Yes	0.32	8.02	54
403801	BR	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	-7.02	1.78	0
403738	WB	Hybrid	2036	5	23	1	2.0	3.1	4.1	9.0	6.1	12.1	18.2	604	95996	Yes	-0.84	7.46	34
403737	WB	Hybrid	490	1	30	0	1.2	3.9	0.0	6.3	1.2	10.2	11.4	959	42442	Yes	-0.12	6.38	4
403736	WB	Hybrid	1252	14	23	5	3.5	1.7	2.9	6.0	6.4	7.7	14.1	1529	113853	Yes	-0.52	6.68	21
403735	WB	Hybrid	1425	0	34	0	1.9	2.6	0.0	16.2	1.9	18.8	20.7	1602	80483	Yes	-0.08	7.02	11
403734	WB	UG	261	0	10	0	0.0	4.4	0.0	1.6	0.0	6.0	6.0	227	4576	Yes	-0.24	2.76	1
403733	WB	Hybrid	1758	0	42	1	3.0	2.0	0.2	7.8	3.2	9.8	13.0	271	23001	Yes	0.08	8.98	14
403732	WB	UG	1039	0	29	0	0.6	3.4	0.2	13.6	0.8	17.0	17.8	282	51629	Yes	0.17	7.07	15
403731	WB	Hybrid	570	0	29	0	1.4	0.9	0.0	4.6	1.4	5.5	6.9	64	3583	Yes	0.12	7.42	5
403634	BR	OH	166	12	10	3	63.8	0.8	24.8	3.0	88.6	3.8	92.4	223	24066	Yes	0.19	1.99	24
403633	BR	OH	918	43	14	5	18.1	0.5	19.4	1.3	37.5	1.8	39.3	1710	144691	Yes	0.21	5.41	52
403632	BR	Hybrid	925	27	19	1	54.5	0.6	8.7	2.8	63.2	3.4	66.6	4213	107293	Yes	0.04	4.64	30
403631	BR	Hybrid	31	11	7	1	16.9	0.0	1.1	1.7	18.0	1.7	19.7	62	3092	Yes	0.17	2.97	2
403439	TC	Hybrid	1726	8	22	3	3.2	3.0	6.7	13.5	9.9	16.5	26.4	2203	129026	Yes	1.02	7.72	31
403438	TC	Hybrid	1489	2	35	3	3.4	1.8	2.9	16.2	6.3	18.0	24.3	1118	80533	Yes	-0.20	6.20	33
403437	TC	Hybrid	284	1	25	0	1.5	0.4	1.3	4.3	2.8	4.7	7.5	36	14129	Yes	0.16	5.76	5
403436	TC	Hybrid	1461	8	24	7	4.8	3.0	8.5	7.9	13.3	10.9	24.2	603	56543	Yes	-0.17	7.93	36
403435	TC	Hybrid	2109	21	52	3	4.3	4.7	2.2	12.1	6.5	16.8	23.3	3472	84045	Yes	0.53	6.23	28
403434	TC	Hybrid	1704	23	28	7	5.6	0.2	10.7	3.4	16.3	3.6	19.9	2071	145148	Yes	-0.03	9.17	52
403433	TC	Hybrid	955	7	24	2	4.3	1.1	4.4	8.1	8.7	9.2	17.9	1093	52451	Yes	0.05	5.85	31
403432	TC	Hybrid	692	1	23	0	2.7	0.0	0.1	12.1	2.8	12.1	14.9	721	4367	Yes	0.45	5.75	8

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
403431	TC	Hybrid	526	1	18	0	2.2	0.2	0.1	3.4	2.3	3.6	5.9	1087	17676	Yes	-0.05	4.05	7
403240	BR	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	-0.22	0.68	0
403239	BR	Hybrid	25	0	6	0	0.6	2.9	0.0	0.2	0.6	3.1	3.7	0	0	Yes	0.02	5.62	0
403238	BR	Hybrid	4	0	0	0	0.4	1.0	0.0	0.0	0.4	1.0	1.4	0	0	Yes	0.47	1.37	0
403237	BR	Hybrid	748	8	26	3	3.0	1.0	2.0	4.7	5.0	5.7	10.7	4878	171368	Yes	-0.24	6.36	16
403236	BR	Hybrid	605	0	22	0	1.0	1.7	0.0	5.4	1.0	7.1	8.1	710	49753	Yes	-0.23	6.47	5
403235	BR	Hybrid	618	1	28	0	1.7	0.2	0.8	1.8	2.5	2.0	4.5	678	24866	Yes	0.17	5.37	12
403234	BR	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	-0.26	4.34	0
403233	BR	UG	1	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.47	12.77	0
403232	BR	Hybrid	1707	10	31	5	3.6	0.8	2.6	3.0	6.2	3.8	10.0	314	38249	Yes	-0.15	8.45	23
403231	BR	Hybrid	1782	12	29	4	4.7	0.5	7.3	3.8	12.0	4.3	16.3	1250	83624	Yes	-0.33	8.47	57
403038	WB	Hybrid	2131	12	30	3	3.3	0.6	7.4	10.2	10.7	10.8	21.5	495	68751	Yes	-0.63	6.87	52
403037	WB	Hybrid	703	14	15	2	3.0	0.4	5.7	1.5	8.7	1.9	10.6	272	29971	Yes	-1.05	3.05	29
403036	WB	Hybrid	859	18	16	2	1.9	0.5	5.2	3.7	7.1	4.2	11.3	122	17689	Yes	-0.10	3.60	23
403035	WB	Hybrid	1805	18	27	0	4.2	0.0	6.9	4.6	11.1	4.6	15.7	3838	137662	Yes	-0.17	7.03	59
403034	WB	Hybrid	1830	44	24	7	3.9	0.7	8.9	9.7	12.8	10.4	23.2	2008	112674	Yes	-0.66	8.14	68
403033	WB	Hybrid	2694	4	34	1	3.1	0.1	1.3	13.5	4.4	13.6	18.0	116	21252	Yes	0.32	7.72	9
403032	WB	Hybrid	1623	32	10	1	3.3	0.0	10.0	2.1	13.3	2.1	15.4	3459	123383	Yes	-0.16	6.34	71
403031	WB	Hybrid	655	16	21	2	4.6	0.1	5.1	2.4	9.7	2.5	12.2	799	42488	Yes	-0.37	5.93	38
402938	TC	Hybrid	2782	22	29	7	5.5	2.3	13.2	10.8	18.7	13.1	31.8	2524	284350	Yes	-0.68	7.12	39
402937	TC	Hybrid	2200	34	9	7	5.1	0.5	14.0	6.1	19.1	6.6	25.7	111	23680	Yes	-0.04	6.16	24
402936	TC	Hybrid	630	15	18	2	5.8	0.4	9.4	8.3	15.2	8.7	23.9	49	9211	Yes	-4.42	2.48	14
402935	TC	Hybrid	1791	25	21	2	6.4	0.2	12.6	7.6	19.0	7.8	26.8	569	118371	Yes	-0.08	6.72	29
402934	TC	Hybrid	1253	26	31	6	5.2	0.2	7.9	11.9	13.1	12.1	25.2	387	70842	Yes	-0.72	6.78	44
402933	TC	Hybrid	1799	28	21	1	5.2	2.3	11.0	13.7	16.2	16.0	32.2	154	25210	Yes	0.23	6.43	23
402932	TC	Hybrid	2554	53	24	1	6.6	0.1	14.7	10.1	21.3	10.2	31.5	410	62727	Yes	0.18	10.58	42
402931	TC	Hybrid	1354	30	25	2	4.3	0.0	10.2	5.8	14.5	5.8	20.3	350	83882	Yes	0.11	6.31	32
402839	BR	Hybrid	2837	31	14	7	3.8	0.9	8.9	2.5	12.7	3.4	16.1	1073	241539	Yes	-0.19	8.31	55
402838	BR	Hybrid	3183	21	35	6	3.3	0.4	7.3	9.0	10.6	9.4	20.0	4112	148940	Yes	0.12	8.12	50
402837	BR	Hybrid	2271	11	10	1	2.4	0.4	7.1	3.9	9.5	4.3	13.8	459	68047	Yes	-0.31	5.59	41
402836	BR	Hybrid	1207	10	24	2	3.3	0.6	4.1	2.6	7.4	3.2	10.6	736	52284	Yes	-0.26	4.84	28
402835	BR	Hybrid	2809	9	72	4	3.6	2.5	3.5	7.3	7.1	9.8	16.9	12570	507496	Yes	0.15	8.15	36
402834	BR	Hybrid	1664	3	25	3	3.1	1.2	1.3	2.3	4.4	3.5	7.9	56	17193	Yes	-0.32	5.98	11
402833	BR	Hybrid	2094	12	31	3	4.7	1.7	5.2	4.4	9.9	6.1	16.0	3444	166953	Yes	0.23	8.73	37
402832	BR	Hybrid	1123	27	4	4	3.1	0.7	5.9	0.7	9.0	1.4	10.4	643	87549	Yes	0.05	5.45	39
402831	BR	Hybrid	1619	25	27	5	5.3	0.1	10.2	4.3	15.5	4.4	19.9	1036	78286	Yes	-0.08	8.72	47
402763	TC	Hybrid	517	50	14	7	28.6	1.5	46.4	16.7	75.0	18.2	93.2	1896	162928	Yes	-0.19	2.71	49
402762	TC	Hybrid	4	0	6	1	1.6	8.5	1.7	9.8	3.3	18.3	21.6	0	0	Yes	-0.02	1.48	0
402761	TC	Hybrid	471	52	16	10	33.1	3.7	59.6	13.7	92.7	17.4	110.1	361	40333	Yes	-0.05	2.25	41
402638	WB	Hybrid	1767	30	22	4	4.1	0.7	11.5	3.6	15.6	4.3	19.9	5697	195070	Yes	0.26	8.56	56
402637	WB	Hybrid	527	1	12	3	1.1	1.1	1.1	3.0	2.2	4.1	6.3	28	2953	Yes	-0.22	4.28	8

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
402636	WB	Hybrid	1433	2	27	2	1.4	2.2	0.5	5.8	1.9	8.0	9.9	43	4976	Yes	-0.21	5.89	6
402635	WB	Hybrid	1145	6	44	1	2.7	3.4	0.6	16.8	3.3	20.2	23.5	326	33689	Yes	0.82	8.02	26
402634	WB	Hybrid	1734	4	35	5	2.1	0.8	0.8	11.6	2.9	12.4	15.3	98	12438	Yes	-0.26	8.64	10
402633	WB	Hybrid	1443	6	30	2	2.1	1.8	2.4	10.6	4.5	12.4	16.9	3200	32730	Yes	0.56	7.86	24
402632	WB	Hybrid	1520	6	37	1	2.3	2.3	1.6	2.4	3.9	4.7	8.6	3762	160552	Yes	-2.37	3.73	28
402631	WB	Hybrid	1050	1	14	0	0.5	1.8	0.1	3.4	0.6	5.2	5.8	2636	84862	Yes	-0.10	3.10	6
402539	WB	Hybrid	197	2	21	0	1.3	2.2	0.2	2.1	1.5	4.3	5.8	27	2492	Yes	0.06	5.36	3
402538	WB	Hybrid	1401	27	9	2	3.1	0.5	4.2	1.2	7.3	1.7	9.0	969	55189	Yes	0.20	5.20	62
402537	WB	Hybrid	769	21	21	4	2.9	0.7	2.8	0.9	5.7	1.6	7.3	890	26794	Yes	0.42	5.62	14
402536	WB	Hybrid	959	29	14	0	4.2	0.8	3.1	0.9	7.3	1.7	9.0	510	35272	Yes	-0.13	5.37	31
402535	WB	UG	1	0	0	0	0.0	3.4	0.0	0.0	0.0	3.4	3.4	0	0	Yes	-0.05	4.75	0
402534	WB	Hybrid	1613	31	20	1	4.0	0.8	4.7	0.9	8.7	1.7	10.4	2177	79679	Yes	0.11	7.41	71
402533	WB	Hybrid	728	9	28	8	2.8	2.9	1.6	5.0	4.4	7.9	12.3	761	32818	Yes	-0.30	6.80	24
402532	WB	Hybrid	895	25	10	6	2.5	5.5	7.8	2.4	10.3	7.9	18.2	575	98662	Yes	-0.08	5.42	52
402531	WB	Hybrid	822	20	27	4	3.6	0.5	2.7	4.6	6.3	5.1	11.4	2011	58536	Yes	0.02	4.82	19
402262	WB	Hybrid	45	3	6	2	6.7	3.3	1.4	2.1	8.1	5.4	13.5	10	1466	Yes	0.57	2.17	2
402236	WB	OH	0	0	0	0	6.2	0.0	0.0	0.0	6.2	0.0	6.2	0	0	Yes	0.97	3.87	0
402235	WB	OH	0	0	0	0	6.2	0.0	0.0	0.0	6.2	0.0	6.2	0	0	Yes	0.99	3.79	0
402234	WB	OH	0	0	0	0	1.6	0.0	0.0	0.0	1.6	0.0	1.6	0	0	Yes	0.14	2.74	0
402232	WB	OH	0	0	0	0	1.6	0.0	0.0	0.0	1.6	0.0	1.6	0	0	Yes	0.22	2.82	0
402137	WB	Hybrid	2758	13	29	1	2.7	1.6	6.6	5.7	9.3	7.3	16.6	3170	55217	Yes	-1.50	7.90	41
402136	WB	Hybrid	994	0	29	0	0.8	3.5	0.0	6.8	0.8	10.3	11.1	4	351	Yes	2.07	8.27	4
402135	WB	Hybrid	1228	17	17	1	2.2	0.5	1.6	2.1	3.8	2.6	6.4	1027	117447	Yes	0.17	3.27	17
402134	WB	Hybrid	1514	20	9	6	3.7	0.3	4.1	1.0	7.8	1.3	9.1	103	11583	Yes	-0.08	5.52	32
402133	WB	Hybrid	1489	36	11	1	5.5	0.0	4.6	0.8	10.1	0.8	10.9	1129	24029	Yes	0.13	4.63	44
402132	WB	Hybrid	1505	9	23	3	2.1	3.6	2.6	6.6	4.7	10.2	14.9	383	32342	Yes	-0.03	6.87	26
402131	WB	Hybrid	1790	30	33	9	4.9	1.5	4.6	4.3	9.5	5.8	15.3	5331	121535	Yes	0.07	7.67	71
402032	BR	Hybrid	1369	41	23	5	18.8	0.1	10.0	6.7	28.8	6.8	35.6	8951	695402	Yes	-0.42	5.88	57
402031	BR	OH	122	22	5	0	57.8	0.1	16.7	0.2	74.5	0.3	74.8	167	45611	Yes	-0.13	1.27	58
401938	BR	Hybrid	830	20	8	4	3.0	0.3	5.9	2.5	8.9	2.8	11.7	2109	72122	Yes	0.00	4.50	52
401937	BR	Hybrid	1729	6	31	6	3.8	0.5	2.9	2.1	6.7	2.6	9.3	1958	40005	Yes	-0.16	6.64	32
401936	BR	Hybrid	602	18	22	2	4.6	0.5	2.6	1.4	7.2	1.9	9.1	131	19089	Yes	0.14	6.04	17
401935	BR	Hybrid	1497	32	14	4	3.3	0.3	8.8	1.6	12.1	1.9	14.0	7572	468710	Yes	0.12	6.12	70
401934	BR	Hybrid	1511	18	40	1	3.6	0.5	3.3	2.9	6.9	3.4	10.3	1898	111551	Yes	0.58	8.08	27
401933	BR	Hybrid	1572	25	25	8	4.4	0.4	6.0	1.7	10.4	2.1	12.5	192	30864	Yes	-0.39	6.81	35
401932	BR	Hybrid	1498	3	17	4	1.2	0.7	3.2	1.5	4.4	2.2	6.6	339	59291	Yes	-0.18	6.12	19
401931	BR	Hybrid	1660	24	32	7	3.4	1.7	8.7	7.7	12.1	9.4	21.5	2805	277216	Yes	-0.05	8.75	40
401838	WB	Hybrid	1482	1	32	3	2.6	0.5	2.0	6.4	4.6	6.9	11.5	81	7231	Yes	-0.32	7.98	14
401837	WB	Hybrid	1010	12	16	2	2.5	0.7	3.7	1.5	6.2	2.2	8.4	1252	92936	Yes	-0.04	4.46	19
401836	WB	Hybrid	1096	5	30	1	3.0	0.2	1.3	12.2	4.3	12.4	16.7	945	51962	Yes	-0.31	5.79	23
401835	WB	Hybrid	1814	38	9	6	4.3	0.8	10.0	2.1	14.3	2.9	17.2	1600	75468	Yes	0.09	7.09	53

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
401834	WB	Hybrid	2164	23	41	1	5.4	4.2	4.8	23.5	10.2	27.7	37.9	206	30068	Yes	-0.36	10.14	32
401833	WB	Hybrid	1272	22	39	7	5.2	0.8	8.3	13.8	13.5	14.6	28.1	2477	117478	Yes	-0.77	8.03	67
401832	WB	Hybrid	1650	23	20	6	5.7	0.7	4.1	3.3	9.8	4.0	13.8	854	27772	Yes	-0.03	5.87	25
401831	WB	Hybrid	1335	20	27	6	3.7	0.9	5.6	4.8	9.3	5.7	15.0	2304	134606	Yes	-0.37	7.83	50
401764	TC	Hybrid	386	30	14	3	17.5	2.5	17.5	6.2	35.0	8.7	43.7	89	16374	Yes	0.17	2.47	30
401763	TC	Hybrid	91	8	4	1	5.4	0.3	3.8	2.0	9.2	2.3	11.5	40	3202	Yes	0.04	0.44	12
401762	TC	Hybrid	2424	35	32	6	7.8	0.1	18.7	13.4	26.5	13.5	40.0	1507	163116	Yes	-0.30	11.20	61
401761	TC	Hybrid	1074	8	36	2	4.0	4.3	4.4	25.7	8.4	30.0	38.4	606	13789	Yes	0.02	7.52	19
401637	TC	Hybrid	1976	25	31	9	5.3	0.3	9.4	10.5	14.7	10.8	25.5	90	19314	Yes	-0.18	8.02	20
401636	TC	Hybrid	1289	62	18	5	8.3	1.0	22.1	4.3	30.4	5.3	35.7	185	25387	Yes	-0.44	5.36	29
401635	TC	Hybrid	1557	34	10	6	5.8	0.2	16.0	4.3	21.8	4.5	26.3	546	48015	Yes	-0.24	5.96	39
401634	TC	Hybrid	1609	37	6	10	11.0	0.4	43.8	6.8	54.8	7.2	62.0	230	40614	Yes	0.15	6.45	41
401633	TC	Hybrid	846	19	23	7	6.9	0.3	10.6	3.0	17.5	3.3	20.8	66	7599	Yes	-1.42	5.68	19
401632	TC	Hybrid	1905	72	29	10	21.2	0.1	30.1	3.5	51.3	3.6	54.9	7476	247762	Yes	1.09	9.99	80
401631	TC	Hybrid	1761	34	13	6	9.1	0.1	9.1	7.7	18.2	7.8	26.0	273	26728	Yes	-0.25	3.95	32
401534	TC	OH	1037	31	0	4	8.1	0.3	20.8	1.0	28.9	1.3	30.2	1320	133216	Yes	0.21	4.11	36
401533	TC	Hybrid	607	45	19	3	10.7	1.2	12.3	9.8	23.0	11.0	34.0	107	23051	Yes	-0.17	3.83	19
401532	TC	Hybrid	2034	16	42	2	8.7	2.7	7.8	8.2	16.5	10.9	27.4	353	74038	Yes	0.07	5.77	28
401531	TC	Hybrid	1557	29	19	3	6.5	1.4	8.9	4.2	15.4	5.6	21.0	240	37840	Yes	-0.17	4.23	27
401435	TC	Hybrid	946	28	8	1	3.0	0.4	6.0	0.8	9.0	1.2	10.2	122	20539	Yes	-0.17	4.73	18
401434	TC	Hybrid	868	50	40	2	12.9	1.2	7.1	9.7	20.0	10.9	30.9	84	17726	Yes	1.10	6.70	20
401433	TC	Hybrid	1903	31	19	1	7.4	0.5	12.9	5.8	20.3	6.3	26.6	236	20299	Yes	0.06	7.06	46
401432	TC	Hybrid	1293	25	29	5	5.4	0.8	13.8	9.4	19.2	10.2	29.4	569	77424	Yes	-0.12	6.68	33
401431	TC	Hybrid	1589	37	17	8	6.4	0.0	22.7	2.4	29.1	2.4	31.5	1892	80634	Yes	-0.13	8.17	60
401232	TC	OH	201	22	1	3	26.1	0.0	35.8	1.4	61.9	1.4	63.3	211	27667	Yes	-0.05	0.75	16
401231	TC	Hybrid	570	25	1	2	16.6	0.8	29.1	1.9	45.7	2.7	48.4	351	33318	Yes	-0.06	1.54	42
401138	TC	Hybrid	366	10	21	1	3.1	0.6	0.4	0.9	3.5	1.5	5.0	415	24496	Yes	-0.92	5.68	7
401137	TC	Hybrid	1119	23	28	5	4.4	0.6	3.9	3.1	8.3	3.7	12.0	106	12331	Yes	-1.03	7.37	14
401136	TC	Hybrid	1856	13	32	3	3.1	0.8	2.9	6.6	6.0	7.4	13.4	87	12901	Yes	0.04	4.24	12
401135	TC	Hybrid	1256	21	27	5	4.9	3.3	5.6	3.2	10.5	6.5	17.0	2035	109156	Yes	0.03	4.63	23
401134	TC	Hybrid	1374	26	23	7	3.9	0.8	7.7	3.1	11.6	3.9	15.5	310	26912	Yes	-0.41	6.39	27
401133	TC	Hybrid	1182	20	17	7	2.9	0.0	4.5	2.0	7.4	2.0	9.4	857	78172	Yes	-3.22	5.68	23
401132	TC	Hybrid	1561	27	30	3	5.6	0.8	6.8	14.5	12.4	15.3	27.7	1989	144145	Yes	-0.58	6.82	39
401131	TC	Hybrid	1954	28	11	10	5.6	0.0	10.2	3.5	15.8	3.5	19.3	1362	100293	Yes	-1.25	7.25	51
401036	BR	Hybrid	2487	18	39	4	5.4	0.1	4.9	9.8	10.3	9.9	20.2	240	28897	Yes	-0.10	9.20	46
401035	BR	Hybrid	3105	7	33	2	3.5	0.2	1.4	14.8	4.9	15.0	19.9	4211	224063	Yes	-0.10	8.10	56
401034	BR	Hybrid	1045	10	25	3	3.3	0.1	2.0	6.5	5.3	6.6	11.9	146	17595	Yes	0.05	3.95	15
401033	BR	Hybrid	1676	22	17	12	4.3	0.5	8.0	10.5	12.3	11.0	23.3	2671	208460	Yes	-0.08	7.62	70
401032	BR	Hybrid	2457	31	31	3	4.0	0.0	8.8	4.6	12.8	4.6	17.4	572	114132	Yes	-0.59	5.61	42
401031	BR	Hybrid	1922	37	7	6	4.6	0.0	12.3	1.0	16.9	1.0	17.9	594	85483	Yes	-0.09	7.51	76
400935	BR	Hybrid	1323	41	23	6	8.4	0.5	11.0	2.3	19.4	2.8	22.2	1886	38338	Yes	-0.22	4.68	34

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
400934	BR	OH	1707	70	13	3	35.8	0.3	25.9	1.1	61.7	1.4	63.1	956	66815	Yes	-0.23	7.37	58
400933	BR	Hybrid	2273	38	10	6	6.0	0.0	8.7	2.6	14.7	2.6	17.3	2350	59759	Yes	0.25	8.05	44
400932	BR	Hybrid	644	21	12	1	5.0	0.2	7.3	1.4	12.3	1.6	13.9	1225	68028	Yes	0.04	3.54	17
400931	BR	Hybrid	270	6	6	2	1.4	0.0	2.0	0.3	3.4	0.3	3.7	74	13998	Yes	-0.16	2.94	8
400834	BR	OH	872	37	10	5	16.1	0.2	15.3	1.3	31.4	1.5	32.9	2452	99746	Yes	0.00	5.70	54
400833	BR	Hybrid	1453	58	8	3	8.1	0.0	11.0	1.1	19.1	1.1	20.2	648	77087	Yes	-0.15	4.85	64
400832	BR	OH	397	14	1	1	47.3	0.0	5.3	0.3	52.6	0.3	52.9	1246	70256	Yes	0.18	1.88	26
400831	BR	Hybrid	311	9	3	1	6.5	0.0	3.0	0.9	9.5	0.9	10.4	430	9543	Yes	0.03	1.03	10
400740	BR	Hybrid	799	5	12	6	1.6	1.4	2.6	2.5	4.2	3.9	8.1	1877	80458	Yes	-0.33	5.57	28
400739	BR	Hybrid	2282	16	20	7	2.5	3.0	4.9	2.8	7.4	5.8	13.2	1532	58239	Yes	-0.73	8.47	38
400738	BR	Hybrid	987	0	28	0	0.7	2.8	0.0	2.3	0.7	5.1	5.8	64	4662	Yes	-0.12	8.38	5
400737	BR	Hybrid	2129	2	37	4	4.1	2.7	2.0	4.0	6.1	6.7	12.8	6132	152209	Yes	0.01	8.71	25
400736	BR	Hybrid	1060	23	6	3	2.3	0.3	6.0	0.8	8.3	1.1	9.4	315	65009	Yes	0.10	4.80	41
400735	BR	Hybrid	1667	14	24	4	3.3	0.1	2.8	2.7	6.1	2.8	8.9	3570	116829	Yes	-0.01	5.59	21
400734	BR	Hybrid	1252	0	21	0	0.6	1.0	0.0	0.5	0.6	1.5	2.1	0	0	Yes	0.22	4.82	0
400733	BR	Hybrid	769	8	14	6	3.2	1.0	3.1	1.5	6.3	2.5	8.8	142	19041	Yes	-0.10	6.90	23
400732	BR	Hybrid	877	3	15	2	0.9	0.4	1.3	0.6	2.2	1.0	3.2	78	8520	Yes	-4.03	2.57	10
400731	BR	Hybrid	1248	8	27	1	1.4	2.4	1.0	2.6	2.4	5.0	7.4	1875	21301	Yes	0.10	6.40	12
400665	TC	Hybrid	1531	31	21	2	4.6	0.7	12.7	5.3	17.3	6.0	23.3	3934	218609	Yes	-0.22	5.38	55
400664	TC	Hybrid	3372	39	118	4	8.6	9.8	7.7	46.3	16.3	56.1	72.4	363	73443	Yes	0.24	15.84	44
400663	TC	Hybrid	431	25	17	9	6.9	0.2	18.6	8.5	25.5	8.7	34.2	825	75553	Yes	-0.12	3.58	35
400662	TC	Hybrid	1364	58	52	8	11.5	2.9	17.6	19.0	29.1	21.9	51.0	1194	81873	Yes	-0.03	5.67	50
400661	TC	Hybrid	1149	68	12	1	8.5	1.1	25.6	6.0	34.1	7.1	41.2	129	26483	Yes	0.04	5.84	31
400539	BR	Hybrid	737	1	31	1	1.2	2.2	1.1	3.1	2.3	5.3	7.6	315	15245	Yes	0.03	6.23	9
400538	BR	Hybrid	2249	0	36	1	2.5	0.9	0.4	8.7	2.9	9.6	12.5	794	25496	Yes	-0.55	7.05	11
400537	BR	Hybrid	445	2	23	0	2.1	0.2	0.5	1.8	2.6	2.0	4.6	51	15207	Yes	-0.06	3.14	10
400536	BR	Hybrid	2232	24	16	2	4.3	0.2	6.9	1.4	11.2	1.6	12.8	3091	82693	Yes	0.04	6.34	55
400535	BR	Hybrid	1892	30	23	2	3.2	0.6	4.4	4.7	7.6	5.3	12.9	1221	129566	Yes	-0.19	4.71	32
400534	BR	Hybrid	367	4	0	3	0.8	0.0	2.7	0.8	3.5	0.8	4.3	45	4670	Yes	-0.11	1.59	9
400533	BR	Hybrid	1491	17	25	4	3.4	1.1	3.6	3.1	7.0	4.2	11.2	256	43337	Yes	-0.09	5.31	26
400532	BR	Hybrid	1104	4	33	1	3.7	1.5	0.4	8.7	4.1	10.2	14.3	2306	106021	Yes	-0.29	6.31	14
400531	BR	Hybrid	1184	6	22	1	2.9	0.1	3.2	5.6	6.1	5.7	11.8	1503	105962	Yes	0.07	4.77	23
400436	WB	Hybrid	1416	28	11	1	3.5	0.6	4.8	0.8	8.3	1.4	9.7	1446	71461	Yes	-0.07	6.13	50
400435	WB	Hybrid	1066	18	8	2	3.1	0.3	5.9	1.5	9.0	1.8	10.8	878	23493	Yes	-0.05	4.45	29
400434	WB	Hybrid	723	18	36	4	2.2	5.1	2.4	5.0	4.6	10.1	14.7	2456	40277	Yes	-0.08	6.32	32
400433	WB	Hybrid	1396	30	4	0	3.5	0.7	5.8	0.6	9.3	1.3	10.6	1182	88195	Yes	0.00	5.30	46
400432	WB	Hybrid	2640	28	21	2	4.8	1.2	10.8	5.9	15.6	7.1	22.7	3149	111847	Yes	0.03	8.53	54
400431	WB	Hybrid	1520	40	10	6	3.5	0.1	12.6	4.2	16.1	4.3	20.4	360	50966	Yes	0.06	7.76	69
400338	WB	Hybrid	871	11	19	5	3.2	0.4	5.3	2.4	8.5	2.8	11.3	269	38736	Yes	0.04	6.04	32
400337	WB	Hybrid	1149	23	13	2	5.3	0.4	6.6	0.7	11.9	1.1	13.0	503	62643	Yes	-0.60	6.00	56
400336	WB	Hybrid	1467	33	8	0	5.9	0.2	4.4	0.6	10.3	0.8	11.1	3152	58738	Yes	-0.32	6.38	48

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400335	WB	Hybrid	161	2	13	3	2.6	0.8	1.0	0.8	3.6	1.6	5.2	70	17857	Yes	0.26	6.26	11
400334	WB	Hybrid	267	5	5	0	1.1	0.1	0.9	0.3	2.0	0.4	2.4	53	7628	Yes	-0.99	1.51	12
400333	WB	Hybrid	469	10	10	3	2.7	0.1	2.2	0.9	4.9	1.0	5.9	1446	39098	Yes	-0.08	3.72	10
400332	WB	Hybrid	551	16	19	6	2.9	1.3	5.0	1.8	7.9	3.1	11.0	395	74684	Yes	-0.40	6.10	65
400331	WB	Hybrid	2063	3	31	5	3.4	1.2	4.1	8.8	7.5	10.0	17.5	2351	40715	Yes	-0.59	6.31	27
400240	WB	Hybrid	540	1	12	0	0.1	0.6	0.0	0.4	0.1	1.0	1.1	1	98	Yes	0.08	2.98	1
400239	WB	Hybrid	91	0	9	1	0.2	1.3	0.0	1.0	0.2	2.3	2.5	0	0	Yes	-0.45	2.95	0
400238	WB	UG	5	0	1	1	0.0	0.6	0.0	0.2	0.0	0.8	0.8	0	0	Yes	-0.03	2.67	0
400237	WB	Hybrid	779	0	2	0	0.2	1.9	0.0	0.0	0.2	1.9	2.1	24	2760	Yes	0.44	1.94	1
400236	WB	UG	472	0	5	2	0.0	2.0	0.0	1.2	0.0	3.2	3.2	1	119	Yes	0.66	5.76	1
400235	WB	Hybrid	281	8	14	0	0.8	2.0	0.6	1.6	1.4	3.6	5.0	157	11863	Yes	-2.95	2.65	8
400234	WB	Hybrid	684	6	14	2	0.7	2.5	0.7	0.8	1.4	3.3	4.7	0	0	Yes	0.58	4.18	0
400233	WB	Hybrid	266	7	9	4	1.6	2.0	1.0	1.3	2.6	3.3	5.9	365	17867	Yes	0.06	7.66	14
400232	WB	Hybrid	746	4	9	2	1.3	1.6	0.7	1.2	2.0	2.8	4.8	62	8858	Yes	-0.05	4.25	8
400231	WB	Hybrid	684	0	11	2	1.0	1.6	0.2	1.0	1.2	2.6	3.8	696	1594	Yes	0.15	4.15	2
400139	WB	Hybrid	1141	1	8	0	0.2	2.0	0.0	0.1	0.2	2.1	2.3	1	125	Yes	-3.05	3.35	1
400138	WB	Hybrid	373	0	6	1	0.1	1.0	0.1	1.7	0.2	2.7	2.9	147	20840	Yes	-0.25	4.65	6
400137	WB	Hybrid	630	6	3	0	1.0	2.5	0.3	0.2	1.3	2.7	4.0	858	15208	Yes	-0.65	4.95	3
400136	WB	Hybrid	873	1	10	1	0.1	2.7	0.3	1.3	0.4	4.0	4.4	119	19141	Yes	-0.36	5.64	6
400135	WB	Hybrid	135	0	9	0	0.2	1.3	0.0	0.9	0.2	2.2	2.4	0	0	Yes	-0.19	2.41	0
400134	WB	Hybrid	617	3	23	5	1.3	1.8	0.9	2.4	2.2	4.2	6.4	249	35566	Yes	-0.03	5.07	26
400133	WB	Hybrid	1137	0	24	3	1.8	2.0	0.4	2.7	2.2	4.7	6.9	147	18302	Yes	-0.17	5.83	19
400132	WB	Hybrid	895	7	17	0	1.9	1.1	1.3	2.1	3.2	3.2	6.4	141	30948	Yes	-0.08	6.22	15
400131	WB	Hybrid	649	13	7	0	2.8	0.1	1.8	0.4	4.6	0.5	5.1	755	39401	Yes	0.11	3.11	26
309462	NF	OH	486	42	6	1	6.5	0.1	15.5	0.4	22.0	0.5	22.5	116	18016	Yes	0.10	2.30	18
309461	NF	UG	1	0	0	0	0.0	0.9	0.0	0.0	0.0	0.9	0.9	0	0	Yes	-0.02	2.58	0
309332	NF	Hybrid	203	30	2	2	10.1	1.8	10.1	1.6	20.2	3.4	23.6	459	32942	Yes	-0.32	1.18	16
309331	NF	Hybrid	1049	84	9	12	18.0	1.7	65.6	5.5	83.6	7.2	90.8	3710	170523	Yes	-0.37	6.03	68
308064	NF	Hybrid	1927	53	15	14	9.3	0.1	36.3	10.9	45.6	11.0	56.6	2860	143410	Yes	0.07	8.67	69
308063	NF	Hybrid	2346	71	23	19	16.6	0.1	48.7	21.5	65.3	21.6	86.9	5233	209610	Yes	0.45	12.55	102
308062	NF	Hybrid	494	43	5	10	21.4	0.5	27.9	3.4	49.3	3.9	53.2	274	83911	Yes	0.24	2.14	30
308061	NF	Hybrid	1340	66	31	18	19.2	0.1	44.5	9.3	63.7	9.4	73.1	526	61531	Yes	0.38	6.98	64
307763	NF	UG	426	0	7	0	0.0	1.1	0.0	5.3	0.0	6.4	6.4	22	2024	Yes	0.22	1.32	2
307762	NF	Hybrid	2654	86	46	12	14.5	4.8	32.8	26.3	47.3	31.1	78.4	6512	667320	Yes	1.45	10.75	63
307761	NF	Hybrid	3305	68	89	15	12.2	1.7	23.8	43.0	36.0	44.7	80.7	6836	111252	Yes	0.32	16.22	57
307562	NF	Hybrid	223	29	2	3	5.4	0.4	7.4	0.6	12.8	1.0	13.8	14	2923	Yes	-0.05	1.65	9
307561	NF	OH	1239	87	5	8	11.7	0.6	35.9	1.5	47.6	2.1	49.7	1329	81002	Yes	-0.02	4.48	70
307461	NF	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	-2.85	5.95	0
306134	NF	Hybrid	1157	75	11	18	13.4	0.8	58.3	12.6	71.7	13.4	85.1	2781	119510	Yes	0.34	5.44	91
306133	NF	Hybrid	841	40	21	12	5.2	0.8	11.3	4.5	16.5	5.3	21.8	1027	82058	Yes	-0.16	7.34	27
306132	NF	Hybrid	1232	46	41	6	8.3	1.0	16.4	15.1	24.7	16.1	40.8	699	104001	Yes	0.01	6.11	26

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306131	NF	Hybrid	481	47	13	3	8.8	2.4	14.0	4.8	22.8	7.2	30.0	135	15460	Yes	-0.08	4.82	25
305232	NF	Hybrid	514	41	8	11	17.1	0.9	24.2	5.9	41.3	6.8	48.1	1222	49367	Yes	0.34	7.64	23
305231	NF	Hybrid	1269	39	12	7	11.5	0.7	18.8	2.2	30.3	2.9	33.2	3161	217241	Yes	0.44	8.34	45
303163	NF	UG	0	0	0	0	0.0	0.4	0.0	0.0	0.0	0.4	0.4	0	0	No	-14.00	5.00	0
303162	NF	OH	842	86	1	7	12.6	1.2	35.7	1.3	48.3	2.5	50.8	2065	139590	Yes	-0.11	3.29	44
303161	NF	OH	657	59	4	1	13.2	0.0	22.4	0.3	35.6	0.3	35.9	1527	47656	Yes	-0.16	2.64	33
301563	NF	UG	3	0	2	0	0.0	0.7	0.0	0.4	0.0	1.1	1.1	0	0	Yes	0.02	3.42	0
301562	NF	OH	419	25	5	2	9.3	0.2	14.5	0.6	23.8	0.8	24.6	89	13782	Yes	0.03	2.33	19
301561	NF	Hybrid	0	0	4	0	0.3	0.1	0.0	0.1	0.3	0.2	0.5	0	0	Yes	-0.46	5.84	0
301464	NF	Hybrid	2127	35	50	6	16.1	6.4	18.5	31.5	34.6	37.9	72.5	281	24275	Yes	0.37	10.77	26
301463	NF	Hybrid	2320	66	14	9	12.1	0.8	32.1	6.6	44.2	7.4	51.6	3990	113201	Yes	-0.05	11.65	70
301462	NF	Hybrid	2951	81	39	12	20.5	0.4	41.8	26.3	62.3	26.7	89.0	8754	356891	Yes	0.77	13.67	99
301461	NF	Hybrid	2821	24	85	9	10.1	6.0	9.1	32.4	19.2	38.4	57.6	1871	40218	Yes	1.18	15.78	26
301332	NF	UG	0	0	0	0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0	0	Yes	0.36	4.66	0
301331	NF	Hybrid	894	51	6	5	17.8	0.3	26.2	2.5	44.0	2.8	46.8	1922	192928	Yes	0.44	7.54	50
301139	NF	Hybrid	856	52	7	6	11.0	1.4	28.9	2.9	39.9	4.3	44.2	2979	59582	Yes	-0.20	4.00	42
301138	NF	Hybrid	435	11	15	3	8.1	0.8	4.4	8.5	12.5	9.3	21.8	76	5842	Yes	-0.19	2.71	9
301137	NF	Hybrid	860	29	6	7	4.7	0.3	7.1	0.5	11.8	0.8	12.6	220	35371	Yes	-0.41	5.69	20
301136	NF	Hybrid	1753	55	28	9	8.2	0.2	12.4	5.8	20.6	6.0	26.6	59	5784	Yes	0.00	7.00	26
301135	NF	Hybrid	622	46	14	2	14.5	0.3	17.4	1.5	31.9	1.8	33.7	173	25026	Yes	0.17	5.07	37
301134	NF	Hybrid	797	46	10	4	7.1	7.3	9.4	2.0	16.5	9.3	25.8	207	31531	Yes	-0.06	2.84	34
301133	NF	Hybrid	1065	38	3	5	6.2	0.1	15.9	1.1	22.1	1.2	23.3	6885	283091	Yes	0.10	4.10	51
301132	NF	Hybrid	806	26	11	3	5.1	0.2	7.9	1.4	13.0	1.6	14.6	237	45599	Yes	0.06	8.16	28
301131	NF	Hybrid	768	21	20	5	6.5	0.0	4.9	3.2	11.4	3.2	14.6	919	27901	Yes	0.63	7.73	16
300964	NF	Hybrid	1104	27	18	5	11.0	0.3	17.7	4.4	28.7	4.7	33.4	2446	191219	Yes	0.79	6.89	26
300963	NF	Hybrid	2059	68	19	13	12.0	0.1	43.7	4.9	55.7	5.0	60.7	2760	281751	Yes	-0.91	9.89	80
300962	NF	Hybrid	370	11	14	4	4.8	0.7	12.8	1.2	17.6	1.9	19.5	1023	25257	Yes	-1.01	5.09	23
300961	NF	OH	1368	48	15	11	7.6	0.2	30.6	1.5	38.2	1.7	39.9	2385	125509	Yes	-0.09	10.51	58
300732	NF	OH	1724	136	5	8	21.3	0.1	85.4	2.2	106.7	2.3	109.0	3910	211515	Yes	-2.03	4.27	98
300731	NF	UG	1	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	No	0.10	1.30	0
300634	NF	Hybrid	846	30	24	5	5.9	0.1	8.6	2.1	14.5	2.2	16.7	1889	157246	Yes	-0.35	6.65	36
300633	NF	OH	1276	59	9	4	12.0	0.0	31.7	1.0	43.7	1.0	44.7	1096	67805	Yes	0.09	6.19	54
300632	NF	Hybrid	716	29	10	7	8.6	0.0	16.8	2.3	25.4	2.3	27.7	1791	130727	Yes	0.08	4.28	48
300631	NF	OH	1271	66	9	9	12.5	0.2	38.3	1.5	50.8	1.7	52.5	536	75402	Yes	-0.09	5.01	70
300432	NF	OH	636	20	3	6	3.3	0.0	14.2	0.6	17.5	0.6	18.1	86	5939	Yes	-0.06	3.04	12
300431	NF	OH	989	67	7	10	12.3	0.0	36.6	2.3	48.9	2.3	51.2	129	11450	Yes	0.69	7.79	35
211063	BV	Hybrid	2612	62	20	3	7.5	0.1	35.1	4.8	42.6	4.9	47.5	121	9978	Yes	0.00	0.00	9
211062	BV	Hybrid	2383	45	20	2	5.9	0.7	27.7	3.1	33.6	3.8	37.4	2199	30406	Yes	0.00	0.00	17
211061	BV	OH	3012	133	6	2	11.4	0.1	63.9	2.5	75.3	2.6	77.9	435	45710	Yes	0.00	0.00	32
210532	BV	Hybrid	1518	23	24	7	5.2	0.3	11.7	3.1	16.9	3.4	20.3	3396	116664	Yes	0.40	8.40	43
210531	BV	Hybrid	1292	10	12	7	2.6	1.5	9.1	1.9	11.7	3.4	15.1	510	59213	Yes	0.33	9.33	22

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
210134	CF	Hybrid	2221	4	39	0	3.1	0.4	0.4	14.8	3.5	15.2	18.7	126	5944	Yes	0.00	0.00	5
210133	CF	Hybrid	1083	23	17	4	3.3	1.2	9.2	5.9	12.5	7.1	19.6	390	53916	Yes	0.20	5.70	43
210132	CF	Hybrid	399	1	30	1	1.5	4.4	0.2	5.3	1.7	9.7	11.4	65	7876	Yes	0.95	7.75	3
210131	CF	Hybrid	1966	8	33	2	3.0	0.7	1.7	11.5	4.7	12.2	16.9	222	33530	Yes	-0.26	8.04	10
209934	BV	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	-0.70	1.10	0
209933	BV	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.14	0.14	0
209932	BV	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	-0.99	0.91	0
209931	BV	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.11	0.11	0
209864	BV	Hybrid	1111	18	39	7	6.6	0.1	4.9	9.0	11.5	9.1	20.6	179	23322	Yes	0.19	8.09	23
209863	BV	Hybrid	3250	5	44	2	2.8	6.1	0.9	37.1	3.7	43.2	46.9	301	36752	Yes	-2.67	15.03	16
209862	BV	UG	3408	2	40	0	1.4	5.5	0.2	34.8	1.6	40.3	41.9	113	36550	Yes	0.10	13.70	8
209861	BV	Hybrid	852	24	41	7	5.2	0.3	6.6	6.7	11.8	7.0	18.8	609	81576	Yes	-0.69	8.91	33
209801	BV	UG	1	0	0	0	0.0	0.6	0.0	0.0	0.0	0.6	0.6	0	0	No	-2.27	3.93	0
209765	BV	UG	2148	0	33	0	0.0	6.8	0.0	19.4	0.0	26.2	26.2	1	205	Yes	-0.41	9.69	1
209764	BV	Hybrid	2741	11	66	5	6.6	1.9	7.5	22.2	14.1	24.1	38.2	380	33922	Yes	0.08	11.08	36
209763	BV	UG	2213	0	48	0	0.6	7.7	0.0	40.6	0.6	48.3	48.9	32	8471	Yes	0.20	13.60	5
209762	BV	UG	1015	0	24	0	0.4	3.2	0.0	10.9	0.4	14.1	14.5	54	5719	Yes	0.01	7.81	3
209761	BV	Hybrid	989	1	29	0	1.2	4.0	0.4	24.1	1.6	28.1	29.7	1523	160644	Yes	-2.64	5.26	6
209233	BV	UG	3	0	4	0	0.0	1.5	0.0	0.5	0.0	2.0	2.0	0	0	Yes	0.00	0.00	0
209232	BV	UG	3	0	4	0	0.0	1.1	0.0	0.6	0.0	1.7	1.7	0	0	Yes	0.81	0.91	0
209231	BV	UG	5	0	6	0	0.0	1.2	0.0	0.5	0.0	1.7	1.7	0	0	Yes	1.73	1.83	0
208864	BV	Hybrid	1078	39	13	2	5.9	1.0	11.3	3.7	17.2	4.7	21.9	58	9289	Yes	-6.95	7.15	26
208863	BV	Hybrid	2760	61	21	9	6.6	1.3	13.4	10.3	20.0	11.6	31.6	4134	224669	Yes	-2.28	9.72	60
208862	BV	Hybrid	2850	11	45	10	3.4	2.9	3.0	30.0	6.4	32.9	39.3	429	36889	Yes	-1.31	15.59	21
208861	BV	Hybrid	1763	9	25	6	3.0	0.9	2.9	13.6	5.9	14.5	20.4	301	69370	Yes	-0.74	8.36	26
208763	BV	Hybrid	2292	24	28	4	10.4	0.9	16.5	22.5	26.9	23.4	50.3	464	50250	Yes	-0.55	7.15	34
208762	BV	Hybrid	1195	79	29	7	15.8	1.4	22.2	15.8	38.0	17.2	55.2	1405	30300	Yes	-0.27	6.13	56
208761	BV	Hybrid	1557	62	31	5	5.7	6.7	12.3	9.0	18.0	15.7	33.7	3716	322950	Yes	0.00	5.90	45
208634	BV	Hybrid	1588	28	12	1	6.7	0.3	15.9	1.6	22.6	1.9	24.5	1106	75260	Yes	-0.07	6.73	43
208633	BV	Hybrid	1465	25	2	2	3.2	1.4	12.6	2.0	15.8	3.4	19.2	214	33801	Yes	0.21	6.21	34
208632	BV	Hybrid	1547	38	7	2	5.6	1.0	13.4	5.5	19.0	6.5	25.5	94	10692	Yes	-0.10	6.50	25
208631	BV	Hybrid	1530	31	5	0	4.7	0.2	12.6	1.4	17.3	1.6	18.9	168	22173	Yes	1.33	8.23	22
208167	BV	Hybrid	2251	49	9	2	6.6	2.2	35.0	7.4	41.6	9.6	51.2	3815	95957	Yes	-1.47	10.83	75
208166	BV	Hybrid	1423	24	27	11	11.5	2.0	16.4	6.0	27.9	8.0	35.9	389	38393	Yes	0.21	9.31	32
208165	BV	Hybrid	2716	63	6	2	7.1	1.9	31.2	1.0	38.3	2.9	41.2	6511	243085	Yes	0.61	14.11	125
208164	BV	Hybrid	3084	50	66	10	9.6	3.7	16.8	31.1	26.4	34.8	61.2	6426	102787	Yes	0.87	14.67	68
208163	BV	OH	2224	57	2	1	9.7	0.4	26.9	0.1	36.6	0.5	37.1	1112	121606	Yes	0.01	9.31	99
208162	BV	Hybrid	2321	52	31	5	5.7	3.6	19.3	19.2	25.0	22.8	47.8	1249	82594	Yes	0.33	11.63	52
208161	BV	OH	1602	28	1	0	4.0	0.2	20.8	0.2	24.8	0.4	25.2	3041	108181	Yes	0.14	10.54	116
207936	CF	Hybrid	876	2	13	1	0.7	1.0	1.0	3.4	1.7	4.4	6.1	78	8343	Yes	-0.08	5.12	4
207935	CF	Hybrid	769	0	16	1	1.0	6.5	0.4	4.3	1.4	10.8	12.2	1036	62784	Yes	-0.39	8.01	3

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
207934	CF	Hybrid	2034	3	49	2	3.2	2.9	1.2	15.7	4.4	18.6	23.0	887	59768	Yes	0.52	8.82	15
207933	CF	Hybrid	520	0	34	0	1.9	1.7	0.0	7.4	1.9	9.1	11.0	3	345	Yes	0.36	7.86	1
207932	CF	Hybrid	212	0	28	0	0.4	1.7	0.0	4.5	0.4	6.2	6.6	213	3266	Yes	-0.11	7.09	1
207931	CF	Hybrid	1507	20	60	4	5.2	1.0	5.7	20.7	10.9	21.7	32.6	77	10689	Yes	-0.02	9.48	17
207863	CF	OH	848	51	5	14	19.8	0.4	67.1	2.6	86.9	3.0	89.9	2098	247992	Yes	-0.21	3.09	58
207862	CF	Hybrid	2323	58	8	6	8.5	0.4	33.3	4.7	41.8	5.1	46.9	2453	165926	Yes	-0.43	10.67	64
207861	CF	Hybrid	1524	73	15	15	12.6	0.9	51.4	8.9	64.0	9.8	73.8	460	72186	Yes	-0.03	7.27	43
207364	BV	Hybrid	1765	148	10	3	20.0	3.3	69.2	8.5	89.2	11.8	101.0	5672	53950	Yes	-0.01	7.19	64
207363	BV	Hybrid	1998	37	30	1	5.9	2.8	13.9	25.9	19.8	28.7	48.5	655	69106	Yes	-2.66	8.14	72
207362	BV	OH	3063	159	3	2	13.9	0.2	63.0	3.4	76.9	3.6	80.5	2828	130078	Yes	-0.11	12.19	108
207361	BV	OH	1268	182	4	4	17.3	0.2	52.0	1.0	69.3	1.2	70.5	151	20970	Yes	0.13	14.33	57
207263	CF	Hybrid	2136	16	42	0	4.6	3.2	2.1	28.1	6.7	31.3	38.0	300	34930	Yes	-0.80	12.40	16
207262	CF	Hybrid	2260	44	27	13	8.1	3.6	19.9	21.5	28.0	25.1	53.1	887	111949	Yes	-0.32	11.08	61
207261	CF	Hybrid	1187	42	24	8	9.9	0.1	29.7	18.5	39.6	18.6	58.2	2268	124052	Yes	-0.27	7.03	52
207065	BV	UG	1	0	0	0	0.0	0.9	0.0	0.0	0.0	0.9	0.9	0	0	Yes	4.01	4.01	0
207064	BV	Hybrid	1370	76	16	5	6.9	0.4	24.6	6.5	31.5	6.9	38.4	963	67267	Yes	0.17	6.17	40
207063	BV	Hybrid	1	0	0	0	0.8	1.2	0.0	0.0	0.8	1.2	2.0	2	11	Yes	0.04	0.04	2
207062	BV	Hybrid	2775	83	27	10	13.2	1.1	36.1	10.1	49.3	11.2	60.5	5736	153597	Yes	1.06	11.96	73
207061	BV	Hybrid	1674	52	15	5	8.4	11.4	24.3	7.7	32.7	19.1	51.8	5187	135235	Yes	0.19	6.99	53
206932	BV	Hybrid	1327	28	22	12	6.8	0.1	14.2	10.5	21.0	10.6	31.6	722	117261	Yes	0.14	6.64	36
206931	BV	Hybrid	1583	19	56	2	7.5	1.4	5.4	13.3	12.9	14.7	27.6	324	29003	Yes	-0.06	9.14	12
205937	CF	Hybrid	821	22	21	5	3.9	0.9	11.0	12.2	14.9	13.1	28.0	2911	134404	Yes	-0.06	4.64	20
205936	CF	Hybrid	724	2	11	0	0.7	2.7	0.2	3.4	0.9	6.1	7.0	1603	39809	Yes	-0.20	3.30	9
205935	CF	UG	1124	0	16	0	0.0	3.7	0.0	14.4	0.0	18.1	18.1	1209	131063	Yes	0.02	6.72	4
205934	CF	UG	580	0	11	0	0.0	4.8	0.0	2.7	0.0	7.5	7.5	18	2196	Yes	0.21	5.81	1
205933	CF	Hybrid	1051	2	30	1	2.0	2.8	0.6	8.0	2.6	10.8	13.4	56	3792	Yes	-0.59	6.81	4
205932	CF	Hybrid	713	2	19	4	1.6	5.4	1.4	16.2	3.0	21.6	24.6	882	19144	Yes	-0.26	3.24	8
205931	CF	Hybrid	873	15	37	4	4.9	5.5	7.0	19.9	11.9	25.4	37.3	459	55870	Yes	0.08	5.28	26
205633	BV	Hybrid	1231	8	33	4	4.8	0.1	3.4	8.2	8.2	8.3	16.5	320	39664	Yes	0.06	7.76	26
205632	BV	Hybrid	1337	14	31	2	4.6	0.3	6.1	7.6	10.7	7.9	18.6	52	7441	Yes	0.37	7.47	20
205631	BV	Hybrid	1257	45	18	8	7.1	1.0	15.5	16.0	22.6	17.0	39.6	142	15749	Yes	-1.10	6.60	26
205535	BV	Hybrid	2494	1	39	3	3.3	0.4	0.7	14.5	4.0	14.9	18.9	2770	57444	Yes	0.39	7.99	13
205534	BV	Hybrid	2501	3	41	0	5.1	0.2	0.3	24.3	5.4	24.5	29.9	318	33216	Yes	0.02	9.82	16
205533	BV	Hybrid	1455	1	26	2	2.0	1.4	0.4	8.7	2.4	10.1	12.5	2346	81184	Yes	0.32	5.62	12
205532	BV	Hybrid	2290	22	42	6	5.5	0.1	6.1	18.9	11.6	19.0	30.6	1484	84078	Yes	-0.05	8.85	35
205531	BV	Hybrid	1695	1	26	1	1.4	3.4	0.3	18.2	1.7	21.6	23.3	170	27550	Yes	-1.63	5.57	25
205434	BV	Hybrid	1009	23	10	5	3.0	0.7	6.3	0.8	9.3	1.5	10.8	129	17165	Yes	0.98	7.68	15
205433	BV	Hybrid	941	20	11	7	2.6	0.0	5.6	1.2	8.2	1.2	9.4	86	13254	Yes	0.60	6.90	16
205432	BV	Hybrid	2350	44	27	10	3.8	1.3	14.2	6.3	18.0	7.6	25.6	10785	191046	Yes	-0.40	8.70	63
205431	BV	Hybrid	1863	66	25	9	6.0	0.6	15.4	7.7	21.4	8.3	29.7	458	48353	Yes	-0.32	7.38	53
205363	CF	Hybrid	883	38	7	9	9.2	2.4	38.9	3.6	48.1	6.0	54.1	1538	110104	Yes	-0.02	3.78	37

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
205362	CF	OH	570	72	6	6	10.3	0.0	32.5	2.2	42.8	2.2	45.0	1062	94907	Yes	-0.51	2.09	58
205361	CF	Hybrid	967	110	11	15	14.4	0.0	45.2	3.8	59.6	3.8	63.4	898	85852	Yes	-2.62	5.18	80
204636	CF	Hybrid	1859	13	29	3	3.5	1.0	6.5	7.0	10.0	8.0	18.0	2499	125095	Yes	-0.08	7.52	36
204635	CF	Hybrid	1299	3	18	0	1.2	0.8	0.5	11.7	1.7	12.5	14.2	153	20609	Yes	-0.27	5.83	3
204634	CF	Hybrid	45	3	12	0	2.6	1.1	0.4	1.6	3.0	2.7	5.7	3	369	Yes	-0.07	5.33	3
204633	CF	Hybrid	1459	8	36	3	4.1	0.4	2.2	6.9	6.3	7.3	13.6	786	12771	Yes	0.22	5.62	17
204632	CF	Hybrid	2013	5	48	1	4.5	0.5	0.3	13.1	4.8	13.6	18.4	246	24107	Yes	-0.25	6.55	23
204631	CF	Hybrid	1690	8	40	2	3.6	1.6	2.1	15.0	5.7	16.6	22.3	177	18325	Yes	0.24	7.74	27
204532	CF	Hybrid	259	1	7	0	1.2	0.4	0.1	1.3	1.3	1.7	3.0	29	2294	Yes	-0.02	0.88	8
204531	CF	Hybrid	1683	30	36	7	8.4	0.6	14.9	16.8	23.3	17.4	40.7	1345	72301	Yes	-0.20	8.90	39
204365	BV	UG	2193	0	50	0	1.4	5.5	0.0	26.5	1.4	32.0	33.4	12	91	Yes	11.49	11.49	2
204364	BV	Hybrid	676	2	19	3	1.9	0.8	0.4	10.2	2.3	11.0	13.3	60	3737	Yes	-13.83	4.47	9
204363	BV	Hybrid	2861	1	58	4	4.0	2.5	0.5	29.7	4.5	32.2	36.7	309	43020	Yes	-5.55	11.65	34
204362	BV	Hybrid	2866	14	37	1	2.8	3.9	4.2	31.4	7.0	35.3	42.3	111	19424	Yes	3.43	13.63	18
204361	BV	Hybrid	1778	0	30	2	2.4	3.4	0.3	20.0	2.7	23.4	26.1	5322	76325	Yes	-0.07	8.43	13
204265	BV	Hybrid	2423	125	21	14	16.4	0.2	53.2	11.7	69.6	11.9	81.5	3867	158915	Yes	-1.17	9.23	105
204264	BV	Hybrid	3058	74	12	5	8.7	0.6	40.3	2.6	49.0	3.2	52.2	1378	177180	Yes	-0.68	15.22	144
204263	BV	OH	1272	26	6	2	4.5	0.3	22.4	0.8	26.9	1.1	28.0	1194	108565	Yes	-0.06	16.14	124
204262	BV	Hybrid	2996	62	19	8	7.8	0.3	34.3	5.3	42.1	5.6	47.7	4543	165026	Yes	-0.04	18.36	103
204261	BV	OH	2099	109	5	2	9.4	0.1	43.3	0.7	52.7	0.8	53.5	1884	143723	Yes	-0.34	11.86	152
204133	BV	Hybrid	1697	16	32	5	3.0	0.9	4.1	8.7	7.1	9.6	16.7	2098	61402	Yes	0.37	6.77	48
204132	BV	Hybrid	1114	25	3	5	1.5	0.8	8.0	1.5	9.5	2.3	11.8	1356	46768	Yes	-0.16	4.54	34
204131	BV	Hybrid	1378	9	9	9	1.8	0.9	7.8	7.8	9.6	8.7	18.3	756	96223	Yes	-0.29	6.01	34
204065	CF	Hybrid	2530	41	20	2	6.2	0.7	22.1	9.6	28.3	10.3	38.6	1518	136085	Yes	-1.14	10.56	58
204064	CF	Hybrid	1232	30	4	5	5.6	0.0	15.5	1.8	21.1	1.8	22.9	3223	205660	Yes	-0.22	6.58	27
204063	CF	Hybrid	3294	64	2	4	7.7	0.0	31.7	2.1	39.4	2.1	41.5	3242	223988	Yes	-0.33	13.87	70
204062	CF	OH	2023	48	3	0	4.2	0.0	19.0	0.2	23.2	0.2	23.4	606	63655	Yes	-1.44	8.76	32
204061	CF	Hybrid	2812	25	22	9	4.5	1.1	33.4	6.0	37.9	7.1	45.0	2509	151821	Yes	-0.93	12.37	70
203935	BV	Hybrid	2363	8	33	4	4.0	0.1	6.8	16.6	10.8	16.7	27.5	3034	166037	Yes	0.17	8.27	19
203934	BV	Hybrid	117	4	35	1	4.2	0.4	0.3	2.2	4.5	2.6	7.1	1	307	Yes	-0.65	5.35	1
203933	BV	Hybrid	750	23	22	10	8.1	0.1	6.9	3.5	15.0	3.6	18.6	2080	69104	Yes	-0.14	3.86	26
203932	BV	Hybrid	1	0	0	0	0.3	0.4	0.0	0.0	0.3	0.4	0.7	1	65	Yes	0.02	1.32	1
203931	BV	Hybrid	1900	48	23	7	11.6	0.1	13.2	7.9	24.8	8.0	32.8	2214	83192	Yes	-2.18	7.22	49
203638	BV	Hybrid	819	27	10	6	4.0	0.6	6.6	0.8	10.6	1.4	12.0	1690	64339	Yes	-0.50	3.70	33
203637	BV	Hybrid	1349	21	23	1	4.0	0.3	5.0	5.2	9.0	5.5	14.5	135	14687	Yes	-0.03	5.17	24
203636	BV	UG	0	0	0	0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0	0	Yes	-0.01	3.49	0
203635	BV	Hybrid	2204	10	38	5	3.2	0.3	3.4	8.9	6.6	9.2	15.8	271	35332	Yes	-0.09	6.61	21
203634	BV	UG	0	0	0	0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0	0	Yes	-0.07	1.53	0
203633	BV	UG	0	0	0	0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0	0	Yes	-0.04	0.66	0
203632	BV	UG	0	0	0	0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0	0	Yes	0.53	1.23	0
203631	BV	Hybrid	1230	13	30	1	4.8	0.4	4.7	6.8	9.5	7.2	16.7	1780	77398	Yes	-0.48	7.12	19

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
203541	BV	Hybrid	1890	23	34	8	3.7	0.2	4.6	15.8	8.3	16.0	24.3	375	58443	Yes	-4.33	5.07	28
203540	BV	Hybrid	64	4	23	3	1.8	3.8	0.9	2.7	2.7	6.5	9.2	0	0	Yes	2.61	10.11	0
203539	BV	Hybrid	659	15	19	0	4.4	0.9	6.0	3.5	10.4	4.4	14.8	88	10121	Yes	-0.60	7.60	22
203538	BV	Hybrid	1276	30	19	7	3.5	2.6	11.0	3.5	14.5	6.1	20.6	1601	48799	Yes	0.32	8.32	39
203537	BV	Hybrid	442	3	17	1	1.8	2.8	1.1	3.0	2.9	5.8	8.7	100	5290	Yes	-0.12	4.28	5
203536	BV	Hybrid	751	23	8	2	3.3	0.6	7.9	6.5	11.2	7.1	18.3	874	42156	Yes	0.00	3.90	20
203535	BV	Hybrid	318	13	12	3	3.2	0.3	2.7	1.3	5.9	1.6	7.5	27	3365	Yes	-0.14	6.46	8
203534	BV	Hybrid	870	12	15	7	2.7	0.1	8.1	2.6	10.8	2.7	13.5	1077	19165	Yes	0.00	6.90	23
203533	BV	Hybrid	182	3	17	2	2.6	1.1	1.2	1.7	3.8	2.8	6.6	26	2812	Yes	0.65	7.65	9
203532	BV	Hybrid	1320	25	8	3	3.6	0.1	9.5	2.6	13.1	2.7	15.8	1591	54507	Yes	0.03	5.23	28
203531	BV	Hybrid	1657	10	33	3	3.3	1.6	2.1	9.3	5.4	10.9	16.3	3625	36412	Yes	0.24	7.14	14
203433	BV	Hybrid	1815	41	16	15	6.0	0.7	17.0	7.7	23.0	8.4	31.4	145	26391	Yes	0.18	6.68	38
203432	BV	Hybrid	1844	6	17	3	1.7	0.0	10.0	10.6	11.7	10.6	22.3	147	11634	Yes	-0.62	5.78	20
203431	BV	Hybrid	1503	1	33	2	1.9	1.0	0.7	12.5	2.6	13.5	16.1	228	44759	Yes	-0.04	4.56	18
203331	BV	Hybrid	120	3	16	5	5.4	1.5	1.8	4.1	7.2	5.6	12.8	139	1806	Yes	-1.22	5.08	3
203234	BV	OH	966	28	4	2	3.7	0.1	7.8	0.2	11.5	0.3	11.8	1201	73444	Yes	-0.12	4.48	40
203233	BV	Hybrid	1435	37	8	5	3.3	0.1	9.1	1.0	12.4	1.1	13.5	1788	95555	Yes	0.00	5.30	44
203232	BV	Hybrid	1124	23	20	7	2.7	0.1	6.3	6.6	9.0	6.7	15.7	223	27580	Yes	-0.28	6.32	36
203231	BV	Hybrid	1526	11	16	8	1.4	0.1	6.1	3.1	7.5	3.2	10.7	1728	243070	Yes	-0.02	5.28	43
203135	BV	Hybrid	672	15	22	2	3.7	0.3	6.0	3.1	9.7	3.4	13.1	1066	138060	Yes	-0.24	4.16	31
203134	BV	Hybrid	1408	13	25	2	3.4	0.2	4.7	9.0	8.1	9.2	17.3	1532	96615	Yes	0.01	5.91	15
203133	BV	Hybrid	1584	22	5	5	2.3	0.0	15.9	4.7	18.2	4.7	22.9	572	85893	Yes	-0.98	6.42	39
203132	BV	Hybrid	952	3	32	3	2.9	0.0	0.6	8.7	3.5	8.7	12.2	17	2681	Yes	-1.84	6.36	5
203131	BV	Hybrid	1808	32	20	10	4.3	0.3	9.4	4.9	13.7	5.2	18.9	558	51257	Yes	-0.19	7.71	30
203036	BV	Hybrid	1	0	1	0	0.1	0.7	0.0	0.0	0.1	0.7	0.8	0	0	Yes	0.13	0.23	0
203035	BV	OH	814	14	3	0	2.4	0.4	7.9	0.0	10.3	0.4	10.7	1834	24104	Yes	0.12	4.02	31
203034	BV	Hybrid	909	31	9	2	8.3	0.2	9.5	2.4	17.8	2.6	20.4	77	15401	Yes	-0.01	5.49	21
203033	BV	OH	1546	32	1	1	4.5	0.1	14.7	0.1	19.2	0.2	19.4	158	27434	Yes	-1.45	4.65	31
203032	BV	Hybrid	922	13	15	0	2.2	0.4	4.7	2.0	6.9	2.4	9.3	364	78767	Yes	-0.49	3.41	20
203031	BV	Hybrid	1790	56	16	9	6.4	0.2	23.6	2.8	30.0	3.0	33.0	2370	104273	Yes	0.13	7.03	50
202833	BV	Hybrid	1822	70	17	7	8.6	0.4	18.3	7.8	26.9	8.2	35.1	1677	98068	Yes	0.55	8.75	48
202832	BV	Hybrid	1978	39	6	3	3.9	0.4	14.4	0.6	18.3	1.0	19.3	681	107413	Yes	0.20	6.30	55
202831	BV	Hybrid	1901	27	8	8	3.3	0.1	14.4	2.7	17.7	2.8	20.5	576	66325	Yes	0.52	9.02	48
202731	BV	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	-4.71	2.39	0
202633	BV	Hybrid	1548	29	16	7	3.9	4.7	8.7	6.2	12.6	10.9	23.5	3328	168204	Yes	-0.48	5.52	46
202632	BV	Hybrid	1297	23	22	5	3.7	0.1	5.7	6.6	9.4	6.7	16.1	1176	86263	Yes	0.25	5.95	40
202631	BV	Hybrid	2639	39	31	6	4.7	0.0	5.9	12.0	10.6	12.0	22.6	8852	271138	Yes	0.94	8.34	45
202537	BV	Hybrid	2037	2	41	1	3.5	0.2	0.7	13.7	4.2	13.9	18.1	1445	50197	Yes	-0.08	6.32	30
202536	BV	Hybrid	1486	21	16	1	3.5	1.4	8.1	4.4	11.6	5.8	17.4	181	18928	Yes	0.17	4.97	21
202535	BV	Hybrid	1670	58	28	10	5.9	0.0	18.1	12.4	24.0	12.4	36.4	121	25456	Yes	0.39	7.69	37
202534	BV	Hybrid	1742	4	32	2	2.0	0.6	1.1	10.9	3.1	11.5	14.6	174	18328	Yes	-0.20	6.00	17

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
202533	BV	Hybrid	1754	34	4	5	3.3	0.0	13.7	0.9	17.0	0.9	17.9	1807	174087	Yes	-0.04	7.06	43
202532	BV	Hybrid	1659	5	27	6	2.0	0.0	2.1	7.9	4.1	7.9	12.0	2246	32376	Yes	0.03	5.93	17
202531	BV	Hybrid	1771	8	39	6	2.9	0.2	6.0	8.5	8.9	8.7	17.6	877	62862	Yes	-0.28	8.12	26
202235	BV	Hybrid	2220	62	38	10	14.9	0.8	39.5	12.8	54.4	13.6	68.0	577	117218	Yes	0.01	8.71	60
202234	BV	Hybrid	1592	32	9	7	6.6	0.3	23.1	3.3	29.7	3.6	33.3	378	56222	Yes	-0.29	6.51	57
202233	BV	Hybrid	1154	30	13	5	6.0	0.6	8.9	3.3	14.9	3.9	18.8	286	29070	Yes	-0.23	5.27	27
202232	BV	Hybrid	1511	29	11	4	4.7	0.3	24.8	2.1	29.5	2.4	31.9	2841	107202	Yes	0.12	4.72	45
202231	BV	Hybrid	1457	24	14	5	6.6	0.6	10.4	8.4	17.0	9.0	26.0	212	38378	Yes	-0.12	5.68	22
202135	BV	Hybrid	2266	30	34	8	6.3	0.3	10.1	6.6	16.4	6.9	23.3	2047	142568	Yes	0.23	7.93	43
202134	BV	Hybrid	1552	30	16	1	4.5	0.1	9.2	2.1	13.7	2.2	15.9	2850	97409	Yes	0.12	8.02	38
202133	BV	Hybrid	2248	9	46	4	4.1	1.1	4.0	14.7	8.1	15.8	23.9	1058	71221	Yes	0.32	7.32	28
202132	BV	Hybrid	1937	3	12	7	1.9	1.5	9.9	8.9	11.8	10.4	22.2	657	106756	Yes	-1.90	7.40	38
202131	BV	Hybrid	1861	26	34	5	5.0	0.4	6.7	3.5	11.7	3.9	15.6	1466	77247	Yes	-0.08	6.72	31
202036	BV	Hybrid	1444	13	22	4	1.9	1.8	4.8	4.5	6.7	6.3	13.0	2006	160796	Yes	-0.08	4.72	37
202035	BV	Hybrid	1330	13	32	6	2.6	0.3	3.6	5.2	6.2	5.5	11.7	1865	115534	Yes	1.13	8.93	27
202034	BV	Hybrid	1453	14	9	7	2.4	1.6	9.1	4.4	11.5	6.0	17.5	560	57942	Yes	-0.81	5.89	37
202033	BV	Hybrid	2241	22	25	7	3.1	0.0	7.1	3.3	10.2	3.3	13.5	561	89941	Yes	0.10	6.90	56
202032	BV	Hybrid	1552	14	44	3	2.7	0.7	2.9	14.0	5.6	14.7	20.3	3194	23066	Yes	-0.21	6.99	31
202031	BV	Hybrid	1473	14	25	4	2.8	0.1	5.6	4.2	8.4	4.3	12.7	1420	66170	Yes	-0.25	6.45	24
201936	BV	Hybrid	1349	60	32	11	14.4	18.1	22.2	15.9	36.6	34.0	70.6	691	102814	Yes	1.00	6.90	32
201935	BV	Hybrid	1220	11	27	8	3.8	0.2	7.2	15.0	11.0	15.2	26.2	209	20216	Yes	0.44	6.94	21
201934	BV	Hybrid	898	4	25	2	5.0	0.5	2.5	7.9	7.5	8.4	15.9	2229	128769	Yes	1.48	8.38	16
201933	BV	Hybrid	1161	7	13	6	2.4	1.4	4.0	9.1	6.4	10.5	16.9	1018	74387	Yes	0.30	6.20	28
201932	BV	Hybrid	1815	25	24	8	5.1	0.6	9.3	10.4	14.4	11.0	25.4	257	24311	Yes	-0.25	7.95	23
201931	BV	Hybrid	1271	39	10	8	4.8	0.2	14.1	6.6	18.9	6.8	25.7	4434	35741	Yes	0.44	5.54	26
201834	BV	Hybrid	1022	11	3	5	1.6	0.4	6.0	1.5	7.6	1.9	9.5	875	62597	Yes	-0.03	5.07	29
201833	BV	Hybrid	1612	10	20	3	3.3	0.1	1.6	2.0	4.9	2.1	7.0	159	26801	Yes	-0.79	3.91	17
201832	BV	Hybrid	916	14	20	2	2.3	0.1	4.1	4.1	6.4	4.2	10.6	160	27366	Yes	-0.06	4.94	24
201831	BV	Hybrid	2523	23	18	13	3.9	0.4	7.3	6.2	11.2	6.6	17.8	5376	161266	Yes	0.30	6.80	40
201736	BV	Hybrid	1671	72	20	8	7.8	2.0	11.3	4.7	19.1	6.7	25.8	3591	36333	Yes	-0.05	6.75	41
201735	BV	Hybrid	745	15	10	1	3.7	0.5	4.5	1.5	8.2	2.0	10.2	102	15683	Yes	0.07	3.87	11
201734	BV	Hybrid	1545	23	12	7	4.3	0.7	8.1	2.4	12.4	3.1	15.5	1074	37813	Yes	0.92	8.72	41
201733	BV	Hybrid	1790	29	7	9	3.5	0.4	11.8	3.5	15.3	3.9	19.2	854	37152	Yes	-0.29	7.51	47
201732	BV	Hybrid	1092	20	14	1	3.5	0.4	4.0	0.5	7.5	0.9	8.4	248	12683	Yes	0.42	7.22	14
201731	BV	Hybrid	1378	49	19	4	7.0	1.0	9.3	7.2	16.3	8.2	24.5	85	13723	Yes	-0.04	7.26	20
201639	BV	Hybrid	0	0	0	0	0.1	0.4	0.0	0.0	0.1	0.4	0.5	0	0	Yes	0.19	4.69	0
201638	BV	Hybrid	1826	18	30	3	4.0	0.4	3.1	17.9	7.1	18.3	25.4	1683	111267	Yes	0.01	5.72	30
201637	BV	Hybrid	2173	34	18	5	5.3	0.2	16.9	5.9	22.2	6.1	28.3	515	66126	Yes	0.06	8.16	49
201636	BV	Hybrid	0	0	0	0	0.1	0.4	0.0	0.0	0.1	0.4	0.5	0	0	Yes	-0.99	0.11	0
201635	BV	Hybrid	2096	7	27	4	4.8	2.1	6.9	16.1	11.7	18.2	29.9	431	46439	Yes	-0.47	7.83	32
201634	BV	Hybrid	0	0	0	0	0.1	0.4	0.0	0.0	0.1	0.4	0.5	0	0	Yes	0.31	4.31	0
201633	BV	Hybrid	1926	33	17	7	4.9	0.5	13.4	3.8	18.3	4.3	22.6	3312	65390	Yes	-0.08	6.72	44

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
201632	BV	Hybrid	1303	26	7	3	3.8	0.2	13.0	1.2	16.8	1.4	18.2	4101	141223	Yes	-0.13	6.77	27
201631	BV	Hybrid	1952	7	22	9	2.6	0.0	3.4	6.2	6.0	6.2	12.2	719	49503	Yes	-0.54	5.86	21
201534	BV	Hybrid	1485	7	21	5	3.4	0.5	6.9	4.4	10.3	4.9	15.2	3391	159986	Yes	-0.03	6.97	43
201533	BV	Hybrid	1430	45	10	7	5.7	2.5	14.3	4.6	20.0	7.1	27.1	436	54554	Yes	-0.01	6.79	36
201532	BV	Hybrid	1370	32	13	4	4.4	0.3	14.7	1.3	19.1	1.6	20.7	4522	169185	Yes	-0.01	5.59	93
201531	BV	OH	1041	42	3	5	8.1	0.1	20.0	0.7	28.1	0.8	28.9	170	21491	Yes	0.08	6.48	22
201437	CF	Hybrid	862	27	10	4	3.3	0.4	5.7	4.1	9.0	4.5	13.5	1158	58260	Yes	0.87	4.47	32
201436	CF	Hybrid	175	11	16	3	2.9	1.2	1.8	1.9	4.7	3.1	7.8	15	1514	Yes	-0.03	3.67	7
201435	CF	Hybrid	2271	40	17	3	4.7	0.0	14.5	8.5	19.2	8.5	27.7	2881	136425	Yes	-0.42	8.78	68
201434	CF	Hybrid	1789	25	26	3	5.6	0.1	7.2	3.7	12.8	3.8	16.6	1983	121620	Yes	-0.18	7.12	44
201433	CF	Hybrid	1207	14	20	8	3.5	0.9	5.4	6.0	8.9	6.9	15.8	642	51685	Yes	-0.40	5.60	32
201432	CF	Hybrid	1610	27	11	8	4.2	0.1	11.4	1.5	15.6	1.6	17.2	1086	62849	Yes	-0.02	7.38	42
201431	CF	Hybrid	1501	21	33	3	4.7	0.8	5.1	4.9	9.8	5.7	15.5	402	49430	Yes	-0.37	6.93	32
201234	BV	Hybrid	2209	14	13	7	2.5	0.7	2.9	2.1	5.4	2.8	8.2	608	65931	Yes	0.17	4.77	24
201233	BV	Hybrid	676	3	24	5	2.6	2.6	0.8	4.4	3.4	7.0	10.4	69	14164	Yes	0.33	5.93	12
201232	BV	Hybrid	1765	12	32	10	3.4	0.9	3.8	6.3	7.2	7.2	14.4	1043	191926	Yes	-0.72	6.48	12
201231	BV	Hybrid	2361	16	16	6	2.0	0.2	4.1	3.9	6.1	4.1	10.2	3387	78009	Yes	-0.51	5.49	29
201136	BV	Hybrid	1354	9	14	4	2.7	0.9	6.3	6.6	9.0	7.5	16.5	1639	66800	Yes	-0.68	4.32	22
201135	BV	Hybrid	1110	13	18	5	2.4	2.7	4.8	1.4	7.2	4.1	11.3	274	27292	Yes	0.02	5.52	25
201134	BV	Hybrid	1232	66	53	5	9.0	3.5	9.3	16.8	18.3	20.3	38.6	1512	45455	Yes	0.00	6.80	35
201133	BV	Hybrid	1726	12	19	4	2.5	1.0	7.8	2.5	10.3	3.5	13.8	1375	60574	Yes	-1.04	6.06	38
201132	BV	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	-0.11	4.49	0
201131	BV	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	4.68	8.08	0
201035	BV	Hybrid	807	8	12	3	3.2	0.1	2.4	2.8	5.6	2.9	8.5	867	26679	Yes	-0.48	3.02	8
201034	BV	Hybrid	3010	15	46	7	5.1	0.4	4.3	20.8	9.4	21.2	30.6	230	43044	Yes	-0.10	9.20	21
201033	BV	Hybrid	1768	34	10	4	2.7	0.0	11.9	3.6	14.6	3.6	18.2	1974	24395	Yes	0.15	5.95	32
201032	BV	Hybrid	1551	30	8	6	3.4	0.0	6.6	3.4	10.0	3.4	13.4	781	61622	Yes	0.26	4.56	23
201031	BV	Hybrid	1299	20	4	12	4.0	0.4	9.0	1.4	13.0	1.8	14.8	178	17005	Yes	-0.07	5.53	22
200833	CF	Hybrid	640	20	4	2	3.3	0.3	4.9	0.3	8.2	0.6	8.8	1489	20095	Yes	0.05	2.65	9
200832	CF	OH	1330	29	4	3	3.8	0.1	9.4	0.5	13.2	0.6	13.8	444	41966	Yes	0.25	5.55	46
200831	CF	Hybrid	1180	25	15	4	3.7	0.0	7.7	3.7	11.4	3.7	15.1	2555	48506	Yes	0.07	6.47	31
200735	BV	Hybrid	2066	8	29	7	2.3	0.2	1.7	2.5	4.0	2.7	6.7	180	24488	Yes	-1.55	4.85	13
200734	BV	Hybrid	765	5	17	2	1.8	0.3	0.6	2.2	2.4	2.5	4.9	1639	79583	Yes	0.17	3.87	8
200733	BV	Hybrid	2370	22	27	7	3.0	0.0	6.8	3.5	9.8	3.5	13.3	483	79770	Yes	0.40	6.90	30
200732	BV	Hybrid	1504	9	32	7	2.7	0.1	3.2	4.9	5.9	5.0	10.9	3372	143056	Yes	-4.14	3.86	14
200731	BV	Hybrid	1470	21	6	10	2.3	0.1	4.5	0.7	6.8	0.8	7.6	220	54111	Yes	-0.28	4.82	28
200538	BV	Hybrid	905	17	7	1	3.2	0.6	4.4	4.1	7.6	4.7	12.3	77	14508	Yes	-0.01	3.49	17
200537	BV	Hybrid	131	6	13	3	2.2	0.2	0.8	1.0	3.0	1.2	4.2	194	8465	Yes	-0.02	4.68	4
200536	BV	Hybrid	1440	35	10	12	4.2	0.0	8.7	1.0	12.9	1.0	13.9	1103	35083	Yes	-0.42	7.98	41
200535	BV	Hybrid	60	1	12	2	1.0	0.6	0.5	1.1	1.5	1.7	3.2	6	857	Yes	-0.33	6.47	5
200534	BV	Hybrid	1859	23	19	7	3.5	0.1	6.4	5.8	9.9	5.9	15.8	1809	155575	Yes	-0.09	6.61	37
200533	BV	Hybrid	308	6	15	1	1.8	0.0	0.5	1.2	2.3	1.2	3.5	1152	50602	Yes	-0.30	3.80	14
200532	BV	Hybrid	661	9	29	4	3.3	1.1	1.3	3.8	4.6	4.9	9.5	210	15842	Yes	-0.24	6.26	10

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
200531	BV	Hybrid	640	10	9	5	2.3	0.5	4.5	3.0	6.8	3.5	10.3	2523	202927	Yes	0.04	7.44	22
200434	BV	Hybrid	1484	41	24	11	5.1	0.3	7.5	1.5	12.6	1.8	14.4	4373	67426	Yes	-0.13	6.67	36
200433	BV	Hybrid	1934	37	8	4	4.1	0.0	15.6	1.9	19.7	1.9	21.6	1411	163964	Yes	-0.29	5.91	58
200432	BV	OH	1062	28	5	4	4.0	0.1	8.1	0.4	12.1	0.5	12.6	1830	148251	Yes	2.20	6.40	32
200431	BV	Hybrid	1018	18	11	5	2.4	0.2	6.0	1.2	8.4	1.4	9.8	509	53989	Yes	0.88	7.78	30
200336	BV	Hybrid	1770	33	12	7	5.0	0.3	16.1	1.8	21.1	2.1	23.2	1570	122142	Yes	-0.07	7.43	55
200335	BV	Hybrid	541	13	12	4	2.4	0.3	4.3	1.0	6.7	1.3	8.0	75	12557	Yes	-0.47	5.33	13
200334	BV	Hybrid	2148	15	24	5	3.6	0.0	8.3	6.9	11.9	6.9	18.8	243	31961	Yes	0.52	7.12	22
200333	BV	Hybrid	2193	66	24	7	6.9	0.3	15.9	5.2	22.8	5.5	28.3	1579	86477	Yes	-0.07	8.63	58
200332	BV	Hybrid	2117	22	21	3	3.9	0.0	12.0	4.8	15.9	4.8	20.7	437	73477	Yes	0.00	7.30	42
200331	BV	Hybrid	1099	32	20	7	5.5	0.2	5.8	2.3	11.3	2.5	13.8	1833	34987	Yes	-0.03	5.77	33
200264	CF	Hybrid	1427	32	42	3	6.1	7.0	13.6	18.4	19.7	25.4	45.1	559	35387	Yes	0.50	10.40	24
200263	CF	Hybrid	774	22	20	3	5.8	1.8	15.8	7.3	21.6	9.1	30.7	145	15755	Yes	0.14	3.54	24
200262	CF	Hybrid	838	23	7	9	7.2	2.5	22.6	4.7	29.8	7.2	37.0	1945	99219	Yes	-0.04	2.76	35
200261	CF	Hybrid	842	52	5	10	9.8	1.2	32.1	3.9	41.9	5.1	47.0	339	50627	Yes	2.52	3.82	57
200135	CF	Hybrid	51	5	18	0	2.2	1.0	0.6	1.0	2.8	2.0	4.8	1	31	Yes	-0.16	8.04	1
200134	CF	Hybrid	373	13	7	4	2.9	0.6	2.2	1.1	5.1	1.7	6.8	57	12469	Yes	0.10	7.30	13
200133	CF	Hybrid	1774	23	57	3	8.3	2.5	3.6	10.7	11.9	13.2	25.1	882	15452	Yes	0.26	10.46	21
200132	CF	Hybrid	1065	18	23	11	5.1	0.0	9.2	5.4	14.3	5.4	19.7	3499	51896	Yes	0.17	8.77	32
200131	CF	Hybrid	1366	13	20	7	3.6	0.1	2.9	5.4	6.5	5.5	12.0	2827	47476	Yes	-0.02	4.78	28
111133	CF	Hybrid	12	0	4	1	0.3	1.7	0.2	0.5	0.5	2.2	2.7	0	0	Yes	3.20	3.20	0
111132	CF	Hybrid	407	8	26	5	4.2	0.6	1.6	2.8	5.8	3.4	9.2	153	19711	Yes	-0.36	5.54	14
111131	CF	UG	2	0	4	0	0.0	1.6	0.0	0.0	0.0	1.6	1.6	0	0	Yes	0.22	4.12	0
110363	CF	Hybrid	2772	34	10	4	8.9	3.2	36.5	3.1	45.4	6.3	51.7	1263	45484	Yes	1.02	12.32	38
110362	CF	UG	7	0	4	0	0.0	0.3	0.0	2.6	0.0	2.9	2.9	0	0	Yes	0.37	0.87	0
110361	CF	Hybrid	2898	29	31	10	7.2	3.7	28.1	7.4	35.3	11.1	46.4	2354	110511	Yes	0.16	10.96	67
109035	CF	Hybrid	948	3	18	0	3.2	0.6	0.3	7.5	3.5	8.1	11.6	2	150	Yes	0.03	3.83	2
109034	CF	Hybrid	2242	4	51	1	5.4	1.0	1.0	17.3	6.4	18.3	24.7	348	91169	Yes	0.17	9.27	14
109033	CF	UG	1	0	4	0	0.0	2.6	0.0	0.0	0.0	2.6	2.6	0	0	Yes	-0.09	4.01	0
109032	CF	Hybrid	1120	14	54	1	4.8	6.0	5.3	13.0	10.1	19.0	29.1	208	32134	Yes	-0.58	9.02	22
109031	CF	Hybrid	2195	47	9	4	4.5	0.3	13.8	2.7	18.3	3.0	21.3	1864	59011	Yes	0.42	8.12	39
108964	NF	Hybrid	1400	12	30	3	5.2	5.7	2.5	23.0	7.7	28.7	36.4	1	4	Yes	6.07	6.07	1
108963	NF	Hybrid	3130	2	70	1	2.9	22.7	1.8	61.6	4.7	84.3	89.0	2016	93771	Yes	1.24	12.04	11
108962	NF	Hybrid	2664	2	50	8	7.3	6.7	10.8	48.5	18.1	55.2	73.3	3608	299744	Yes	-1.43	10.17	20
108961	NF	Hybrid	1801	6	22	1	2.4	4.2	2.7	22.7	5.1	26.9	32.0	96	21034	Yes	0.10	7.50	10
108434	NF	Hybrid	818	67	8	6	14.4	2.0	31.7	3.1	46.1	5.1	51.2	1330	92559	Yes	0.22	3.12	73
108433	NF	Hybrid	1235	59	11	12	9.6	0.0	27.5	2.2	37.1	2.2	39.3	4386	269219	Yes	-0.05	4.65	77
108432	NF	Hybrid	1758	55	6	5	7.0	0.1	31.0	3.3	38.0	3.4	41.4	841	94038	Yes	-0.68	5.92	63
108431	NF	OH	696	78	10	7	19.2	0.1	33.5	2.1	52.7	2.2	54.9	2429	220303	Yes	-0.15	2.65	75
108363	NF	Hybrid	2724	37	44	11	8.5	2.5	17.7	17.9	26.2	20.4	46.6	5914	225337	Yes	-0.43	13.27	50
108362	NF	Hybrid	2869	94	43	19	20.9	3.3	44.7	34.6	65.6	37.9	103.5	13808	658423	Yes	0.44	13.44	67
108361	NF	Hybrid	2587	34	69	2	8.2	10.3	7.9	46.4	16.1	56.7	72.8	2663	169230	Yes	0.12	14.12	28
108262	CF	Hybrid	958	1	18	0	2.4	3.5	0.7	19.2	3.1	22.7	25.8	11	1207	Yes	0.43	2.93	5

Feeder Specific Data and Attached Laterals

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Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
108261	CF	Hybrid	752	1	38	0	3.8	7.9	0.0	12.5	3.8	20.4	24.2	6	1081	Yes	2.12	10.92	5
107633	NF	Hybrid	1626	5	24	1	8.2	3.4	0.6	10.2	8.8	13.6	22.4	4531	298250	Yes	-0.96	6.04	39
107632	NF	Hybrid	430	8	11	3	2.6	1.3	8.2	4.5	10.8	5.8	16.6	138	26961	Yes	0.05	3.65	12
107631	NF	Hybrid	1588	28	18	4	4.9	3.1	14.8	19.5	19.7	22.6	42.3	315	70405	Yes	0.32	8.62	38
107163	CF	UG	2	0	0	0	0.0	4.9	0.0	0.0	0.0	4.9	4.9	0	0	Yes	-0.26	10.14	0
107162	CF	Hybrid	664	6	20	7	6.1	4.9	3.0	8.1	9.1	13.0	22.1	291	20744	Yes	0.36	6.46	15
107161	CF	Hybrid	536	30	28	7	17.4	0.5	12.9	4.1	30.3	4.6	34.9	485	33743	Yes	-0.17	7.83	24
106863	CF	Hybrid	2335	18	35	8	2.9	5.2	10.6	18.8	13.5	24.0	37.5	308	45517	Yes	0.13	9.43	33
106862	CF	Hybrid	1907	25	12	2	2.8	5.2	11.4	8.6	14.2	13.8	28.0	2018	107473	Yes	-2.36	6.04	38
106861	CF	Hybrid	2170	30	17	1	6.5	4.7	32.3	13.8	38.8	18.5	57.3	2714	48520	Yes	0.20	9.70	35
106663	CF	Hybrid	972	7	18	0	1.4	3.7	3.7	12.1	5.1	15.8	20.9	1063	59630	Yes	0.34	4.64	19
106662	CF	Hybrid	659	30	42	8	9.9	3.5	15.8	11.3	25.7	14.8	40.5	93	8588	Yes	0.11	8.61	19
106661	CF	Hybrid	1426	20	24	4	4.8	1.2	7.7	11.0	12.5	12.2	24.7	1002	94092	Yes	0.43	8.13	25
106534	CF	UG	781	0	16	1	0.0	4.8	0.1	3.7	0.1	8.5	8.6	17	2448	Yes	-0.08	4.62	1
106533	CF	Hybrid	1184	15	16	6	2.9	0.7	6.1	4.4	9.0	5.1	14.1	2201	96102	Yes	-0.18	3.82	20
106532	CF	Hybrid	1506	28	12	5	2.8	0.9	9.9	4.2	12.7	5.1	17.8	334	45001	Yes	0.38	4.48	36
106531	CF	Hybrid	1229	18	18	4	2.9	0.3	4.6	3.3	7.5	3.6	11.1	97	23127	Yes	-0.33	3.87	11
106465	CF	Hybrid	2668	47	33	9	13.8	4.2	31.1	21.6	44.9	25.8	70.7	3361	162535	Yes	0.53	12.73	52
106464	CF	Hybrid	1417	12	41	4	4.1	0.2	3.4	12.3	7.5	12.5	20.0	291	30158	Yes	-0.21	8.59	30
106463	CF	Hybrid	2867	35	51	4	5.4	3.7	14.9	42.8	20.3	46.5	66.8	764	147690	Yes	-0.31	12.49	43
106462	CF	Hybrid	2342	4	49	1	3.1	3.4	0.9	43.0	4.0	46.4	50.4	2444	106832	Yes	-1.07	10.13	9
106461	CF	Hybrid	3523	1	74	0	7.0	0.7	0.2	30.2	7.2	30.9	38.1	1834	74658	Yes	0.09	16.39	16
106366	CF	Hybrid	3149	48	2	0	7.5	2.8	41.1	1.4	48.6	4.2	52.8	6717	389417	Yes	13.44	13.44	23
106365	CF	Hybrid	2854	25	21	3	8.4	0.3	26.6	6.4	35.0	6.7	41.7	325	45842	Yes	0.20	11.40	40
106364	CF	Hybrid	3697	42	11	3	10.4	0.4	45.0	3.6	55.4	4.0	59.4	240	20113	Yes	0.43	15.53	40
106363	CF	OH	1102	91	16	7	24.9	0.0	63.2	2.8	88.1	2.8	90.9	1204	133474	Yes	0.08	3.78	64
106362	CF	OH	2032	29	4	0	8.1	0.0	26.9	0.9	35.0	0.9	35.9	951	80277	Yes	-4.27	8.43	25
106361	CF	Hybrid	1528	117	23	12	22.0	0.6	72.6	7.1	94.6	7.7	102.3	2367	288450	Yes	0.31	5.51	95
106237	NF	OH	969	22	1	1	1.6	0.1	8.9	0.1	10.5	0.2	10.7	173	12025	Yes	3.70	3.70	12
106236	NF	Hybrid	2326	33	24	8	4.3	2.5	9.2	13.5	13.5	16.0	29.5	718	61427	Yes	-0.04	9.46	55
106235	NF	Hybrid	1935	49	29	7	7.3	1.0	16.2	14.0	23.5	15.0	38.5	277	28437	Yes	0.49	8.79	47
106234	NF	Hybrid	1328	4	31	3	4.1	1.5	1.8	8.3	5.9	9.8	15.7	93	11790	Yes	-0.48	6.02	10
106233	NF	Hybrid	2628	29	24	2	3.4	2.8	11.2	9.4	14.6	12.2	26.8	400	33924	Yes	-0.36	7.94	37
106232	NF	Hybrid	387	7	6	1	1.4	0.9	4.0	0.9	5.4	1.8	7.2	876	45036	Yes	-3.70	6.10	23
106231	NF	Hybrid	724	2	23	1	1.9	0.6	0.9	5.9	2.8	6.5	9.3	33	3201	Yes	-1.06	5.64	10
106063	CF	Hybrid	2989	32	57	6	7.7	1.8	13.9	43.8	21.6	45.6	67.2	3172	107344	Yes	-0.12	13.38	41
106062	CF	Hybrid	905	29	4	9	10.3	0.3	31.3	4.5	41.6	4.8	46.4	2375	143225	Yes	0.37	4.57	44
106061	CF	Hybrid	1693	19	42	12	4.5	1.0	9.5	17.2	14.0	18.2	32.2	284	53022	Yes	-2.75	12.35	44
105832	NF	Hybrid	1169	90	10	19	19.3	0.0	71.3	7.4	90.6	7.4	98.0	4195	153087	Yes	-0.68	3.12	103
105831	NF	Hybrid	1731	34	30	3	10.9	3.7	14.2	19.6	25.1	23.3	48.4	1156	21432	Yes	-0.10	8.30	31
105762	NF	Hybrid	3017	35	65	15	14.3	2.8	16.4	59.2	30.7	62.0	92.7	11293	309744	Yes	0.41	17.61	40
105761	NF	Hybrid	2047	18	50	6	7.1	8.3	12.9	50.2	20.0	58.5	78.5	3360	111793	Yes	0.17	10.97	34
105133	NF	OH	1011	107	3	4	13.3	0.2	43.3	1.1	56.6	1.3	57.9	1490	79866	Yes	-0.03	3.07	57

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
105132	NF	Hybrid	1494	89	15	9	13.7	0.1	45.2	4.2	58.9	4.3	63.2	760	97077	Yes	-0.04	4.46	72
105131	NF	OH	805	51	0	4	7.0	0.0	21.7	0.6	28.7	0.6	29.3	978	93572	Yes	-0.02	2.18	43
105062	CF	Hybrid	1647	54	5	13	11.5	0.0	46.1	9.4	57.6	9.4	67.0	1064	113325	Yes	0.42	5.22	59
105061	CF	Hybrid	2255	75	7	21	12.7	0.0	100.6	8.0	113.3	8.0	121.3	1805	189499	Yes	-0.03	9.17	116
104934	NF	Hybrid	2236	14	38	7	5.0	1.7	10.4	19.4	15.4	21.1	36.5	204	41943	Yes	0.69	8.69	25
104933	NF	Hybrid	2567	3	26	5	2.2	2.4	3.6	13.6	5.8	16.0	21.8	410	44126	Yes	0.30	7.80	27
104932	NF	Hybrid	1565	8	23	1	3.0	2.3	3.2	16.5	6.2	18.8	25.0	237	21732	Yes	0.19	7.19	15
104931	NF	Hybrid	2310	13	51	2	5.9	0.0	3.9	23.8	9.8	23.8	33.6	147	22958	Yes	-0.56	8.74	31
104837	CF	Hybrid	855	1	20	0	1.0	0.3	0.0	8.6	1.0	8.9	9.9	139	8971	Yes	-0.07	3.03	14
104836	CF	Hybrid	1115	1	24	3	3.9	1.5	2.9	15.5	6.8	17.0	23.8	1273	17720	Yes	0.07	4.77	19
104835	CF	Hybrid	1727	13	40	9	3.4	4.8	4.2	8.4	7.6	13.2	20.8	111	11392	Yes	0.28	5.68	19
104834	CF	Hybrid	1332	15	19	2	2.7	3.2	4.6	5.8	7.3	9.0	16.3	1933	107562	Yes	0.04	4.34	38
104833	CF	Hybrid	1237	4	16	4	1.7	1.2	4.6	14.6	6.3	15.8	22.1	258	17069	Yes	0.16	3.86	15
104832	CF	Hybrid	1365	18	5	4	2.8	0.0	10.1	1.0	12.9	1.0	13.9	558	79163	Yes	0.12	2.42	29
104831	CF	Hybrid	1085	9	12	2	1.7	0.0	6.7	4.6	8.4	4.6	13.0	493	50408	Yes	0.27	4.37	30
104733	NF	Hybrid	1946	17	44	6	6.1	1.1	5.2	13.7	11.3	14.8	26.1	143	13156	Yes	0.13	9.13	15
104732	NF	Hybrid	2163	33	48	4	7.5	1.5	14.2	22.5	21.7	24.0	45.7	678	70356	Yes	-0.48	9.12	43
104731	NF	Hybrid	1840	49	20	12	10.5	0.2	36.3	9.8	46.8	10.0	56.8	2525	139262	Yes	-0.06	9.34	57
104433	CF	Hybrid	1939	6	30	3	2.7	1.2	1.3	10.8	4.0	12.0	16.0	1541	194079	Yes	0.06	5.46	14
104432	CF	Hybrid	98	6	18	0	1.1	1.7	0.8	4.1	1.9	5.8	7.7	133	5518	Yes	0.84	6.64	6
104431	CF	Hybrid	1548	21	18	5	3.1	0.2	6.5	5.3	9.6	5.5	15.1	418	52157	Yes	-0.76	5.34	20
103836	CF	Hybrid	1952	0	28	0	3.5	1.9	0.0	16.4	3.5	18.3	21.8	996	92302	Yes	0.29	5.59	28
103835	CF	Hybrid	2507	5	45	2	2.9	1.1	2.6	16.7	5.5	17.8	23.3	89	6025	Yes	0.39	7.89	14
103834	CF	Hybrid	654	49	4	2	18.5	0.6	22.5	11.6	41.0	12.2	53.2	425	29930	Yes	-0.25	2.85	34
103833	CF	Hybrid	1481	0	39	1	2.9	0.4	0.2	16.2	3.1	16.6	19.7	325	31456	Yes	0.38	4.68	32
103832	CF	Hybrid	2334	1	41	1	6.5	0.1	0.1	24.0	6.6	24.1	30.7	2038	92546	Yes	0.17	7.37	22
103831	CF	Hybrid	2141	6	52	1	4.5	0.1	2.2	17.2	6.7	17.3	24.0	427	45427	Yes	0.16	8.56	19
103732	NF	Hybrid	605	31	1	4	5.9	0.4	11.4	0.8	17.3	1.2	18.5	213	36205	Yes	-0.37	3.03	29
102962	CF	Hybrid	1587	24	29	5	12.0	1.7	13.4	16.2	25.4	17.9	43.3	2240	56050	Yes	0.55	6.35	32
102961	CF	Hybrid	1106	6	13	5	3.7	2.2	6.6	13.5	10.3	15.7	26.0	165	19698	Yes	-0.07	4.43	15
102732	NF	OH	1460	96	8	6	11.2	0.0	50.7	1.2	61.9	1.2	63.1	1817	188962	Yes	0.05	5.85	63
102731	NF	OH	584	41	3	4	5.5	0.0	26.8	0.8	32.3	0.8	33.1	408	74650	Yes	0.04	4.04	21
102638	NF	Hybrid	914	10	15	2	2.4	2.1	3.0	5.9	5.4	8.0	13.4	45	10260	Yes	0.11	0.11	3
102637	NF	Hybrid	1738	28	21	6	4.7	2.5	10.7	6.7	15.4	9.2	24.6	212	32444	Yes	-0.84	8.96	42
102636	NF	Hybrid	866	24	10	5	3.0	0.3	4.5	0.7	7.5	1.0	8.5	1316	104964	Yes	-0.12	4.98	24
102635	NF	Hybrid	1835	37	24	5	5.7	1.5	13.6	18.2	19.3	19.7	39.0	2886	98692	Yes	1.30	9.30	25
102634	NF	Hybrid	2271	29	12	3	3.6	0.6	15.0	4.3	18.6	4.9	23.5	761	53443	Yes	-1.21	6.29	46
102633	NF	Hybrid	538	11	5	2	1.7	3.3	4.4	2.1	6.1	5.4	11.5	606	64589	Yes	-0.05	2.55	15
102632	NF	Hybrid	1634	20	18	11	5.2	1.6	10.2	8.9	15.4	10.5	25.9	1731	24415	Yes	-0.05	6.55	23
102631	NF	Hybrid	840	21	9	2	2.6	0.1	7.9	3.4	10.5	3.5	14.0	269	30979	Yes	-0.18	7.52	32
102535	NF	Hybrid	2269	61	42	8	8.7	2.6	12.8	7.4	21.5	10.0	31.5	289	34288	Yes	-0.27	6.93	41
102534	NF	Hybrid	68	1	11	0	4.0	0.4	0.1	1.5	4.1	1.9	6.0	0	0	Yes	0.45	5.65	0
102533	NF	Hybrid	2801	17	26	4	6.2	1.6	8.1	16.9	14.3	18.5	32.8	2266	135821	Yes	0.02	8.82	39

Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY-pk Prior)	Peak Load (MVA)	Number of N on FDR
102532	NF	Hybrid	1568	15	18	4	3.8	0.6	7.2	6.1	11.0	6.7	17.7	905	56281	Yes	0.01	4.51	34
102531	NF	Hybrid	2112	50	51	12	17.7	0.0	22.4	25.3	40.1	25.3	65.4	2530	102584	Yes	-1.44	7.06	42
102436	CF	Hybrid	1171	10	5	3	1.5	2.9	4.4	1.8	5.9	4.7	10.6	461	83806	Yes	0.46	3.96	34
102435	CF	Hybrid	1047	32	16	4	4.3	0.6	5.5	3.2	9.8	3.8	13.6	66	10772	Yes	2.13	6.23	15
102434	CF	Hybrid	1498	13	17	7	2.7	0.4	6.1	5.5	8.8	5.9	14.7	1903	76163	Yes	-0.03	5.47	30

Transmission/Substation Outage Data

Outage Event Description	Date of Event	# of Customers	Non-Storm Excluded CMI	Non-Storm Excluded CI
Transmission / Substation	1/5/2018	3879	110070	3879
Transmission / Substation	1/16/2018	67645	5875	5341
Transmission / Substation	1/19/2018	1	27	1
Transmission / Substation	1/26/2018	1731	60585	1731
Transmission / Substation	1/30/2018	1809	35931	1809
Transmission / Substation	1/31/2018	3025	79053	3025
Transmission / Substation	1/31/2018	679	6360	679
Transmission / Substation	2/1/2018	35813	2	1
Transmission / Substation	2/1/2018	35813	272	1
Transmission / Substation	2/1/2018	1017	56735	1017
Transmission / Substation	2/5/2018	316	1826	316
Transmission / Substation	2/6/2018	35563	51788	35016
Transmission / Substation	2/9/2018	4309	7613	4309
Transmission / Substation	2/14/2018	9220	86021	7917
Transmission / Substation	2/27/2018	1879	69861	1879
Transmission / Substation	3/2/2018	1	49	1
Transmission / Substation	3/3/2018	1581	31241	1581
Transmission / Substation	3/4/2018	2002	50843	2002
Transmission / Substation	3/5/2018	2251	32990	2251
Transmission / Substation	3/6/2018	32509	35942	26604
Transmission / Substation	3/7/2018	2835	68265	1535
Transmission / Substation	3/10/2018	2507	99589	2507
Transmission / Substation	3/10/2018	1855	3834	1855
Transmission / Substation	3/10/2018	652	2933	652
Transmission / Substation	3/17/2018	3575	23133	3575
Transmission / Substation	3/17/2018	2130	32619	2130
Transmission / Substation	3/19/2018	2267	11097	1935
Transmission / Substation	3/20/2018	7821	9770	6976
Transmission / Substation	3/21/2018	12651	57775	12651
Transmission / Substation	3/21/2018	8861	10633	8861
Transmission / Substation	3/21/2018	3788	4293	3788
Transmission / Substation	3/21/2018	41819	6091	5537
Transmission / Substation	4/2/2018	7621	7875	7621
Transmission / Substation	4/4/2018	1	143	1
Transmission / Substation	4/7/2018	1347	34977	1347
Transmission / Substation	4/9/2018	76861	443	1
Transmission / Substation	4/10/2018	1064	2483	1064
Transmission / Substation	4/10/2018	1	40	1
Transmission / Substation	4/20/2018	4359	75970	3627
Transmission / Substation	4/21/2018	13136	29451	11758
Transmission / Substation	4/21/2018	1679	2015	1679
Transmission / Substation	4/23/2018	1426	1949	1426
Transmission / Substation	4/24/2018	2500	85167	2500
Transmission / Substation	4/30/2018	2908	23498	2068
Transmission / Substation	5/3/2018	3439	77862	3439
Transmission / Substation	5/7/2018	1535	80050	1535

Transmission/Substation Outage Data

Outage Event Description	Date of Event	# of Customers	Non-Storm Excluded CMI	Non-Storm Excluded CI
Transmission / Substation	5/7/2018	3331	120036	3331
Transmission / Substation	5/7/2018	3786	63792	3786
Transmission / Substation	5/7/2018	2574	79852	2574
Transmission / Substation	5/7/2018	432	9498	432
Transmission / Substation	5/10/2018	767	2863	767
Transmission / Substation	5/11/2018	826	24670	826
Transmission / Substation	5/14/2018	682	64224	682
Transmission / Substation	5/14/2018	672	963	672
Transmission / Substation	5/14/2018	672	3763	672
Transmission / Substation	5/15/2018	32893	38359	31966
Transmission / Substation	5/19/2018	26547	219701	26547
Transmission / Substation	5/20/2018	3985	146821	3985
Transmission / Substation	5/28/2018	1283	27114	1283
Transmission / Substation	6/1/2018	1251	3690	1251
Transmission / Substation	6/1/2018	3436	119344	3436
Transmission / Substation	6/4/2018	1996	8982	1996
Transmission / Substation	6/4/2018	1592	4776	1592
Transmission / Substation	6/4/2018	10157	16797	9046
Transmission / Substation	6/4/2018	555	3985	555
Transmission / Substation	6/5/2018	485	566	485
Transmission / Substation	6/6/2018	9791	155827	9791
Transmission / Substation	6/7/2018	2597	37475	1870
Transmission / Substation	6/7/2018	549	10971	549
Transmission / Substation	6/8/2018	1295	13382	1295
Transmission / Substation	6/8/2018	2419	38099	2419
Transmission / Substation	6/8/2018	1052	34004	1052
Transmission / Substation	6/14/2018	8529	239303	8529
Transmission / Substation	6/14/2018	1260	1386	1260
Transmission / Substation	6/15/2018	3725	97023	3725
Transmission / Substation	6/15/2018	2216	157514	2216
Transmission / Substation	6/21/2018	2782	55480	2782
Transmission / Substation	6/21/2018	821	14340	821
Transmission / Substation	6/23/2018	2220	103684	2220
Transmission / Substation	6/23/2018	1785	87939	1785
Transmission / Substation	6/23/2018	1464	12539	1464
Transmission / Substation	6/23/2018	1968	82984	1968
Transmission / Substation	6/25/2018	1333	17219	1333
Transmission / Substation	6/26/2018	1274	46334	1274
Transmission / Substation	6/26/2018	584	18856	584
Transmission / Substation	6/26/2018	1375	2292	1375
Transmission / Substation	6/26/2018	11087	15342	10460
Transmission / Substation	7/1/2018	3038	184822	3038
Transmission / Substation	7/2/2018	7768	351451	6676
Transmission / Substation	7/2/2018	2359	60148	2359
Transmission / Substation	7/2/2018	4689	34699	4689
Transmission / Substation	7/2/2018	918	2387	918

Transmission/Substation Outage Data

Outage Event Description	Date of Event	# of Customers	Non-Storm Excluded CMI	Non-Storm Excluded CI
Transmission / Substation	7/2/2018	5642	11458	5642
Transmission / Substation	7/2/2018	2194	6801	2194
Transmission / Substation	7/4/2018	2288	165842	2288
Transmission / Substation	7/5/2018	3737	168788	3737
Transmission / Substation	7/10/2018	1760	7449	1760
Transmission / Substation	7/10/2018	3460	5882	3460
Transmission / Substation	7/11/2018	1500	167714	1500
Transmission / Substation	7/12/2018	3460	10265	3460
Transmission / Substation	7/13/2018	772	47915	772
Transmission / Substation	7/19/2018	53764	147140	53099
Transmission / Substation	7/19/2018	673	54031	673
Transmission / Substation	7/19/2018	646	8850	646
Transmission / Substation	7/20/2018	2541	51498	2541
Transmission / Substation	7/21/2018	1010	15531	1010
Transmission / Substation	7/21/2018	1758	58307	1758
Transmission / Substation	7/21/2018	3308	55995	3308
Transmission / Substation	7/22/2018	1580	74734	1580
Transmission / Substation	7/22/2018	3090	26763	2275
Transmission / Substation	7/23/2018	886	31940	886
Transmission / Substation	7/24/2018	499	11848	499
Transmission / Substation	7/28/2018	803	37045	803
Transmission / Substation	7/29/2018	1059	26122	1059
Transmission / Substation	7/31/2018	954	1208	954
Transmission / Substation	7/31/2018	2988	38571	2654
Transmission / Substation	8/2/2018	17002	18135	17002
Transmission / Substation	8/2/2018	1	2	1
Transmission / Substation	8/2/2018	1	2	1
Transmission / Substation	8/5/2018	1141	2586	1141
Transmission / Substation	8/6/2018	3078	30265	3078
Transmission / Substation	8/9/2018	1574	109732	1574
Transmission / Substation	8/9/2018	877	6771	623
Transmission / Substation	8/10/2018	423	1819	423
Transmission / Substation	8/11/2018	2054	55375	2054
Transmission / Substation	8/11/2018	1439	51727	1439
Transmission / Substation	8/12/2018	1033	1033	1033
Transmission / Substation	8/12/2018	1186	20518	1186
Transmission / Substation	8/12/2018	771	4035	771
Transmission / Substation	8/18/2018	9117	146715	4936
Transmission / Substation	8/18/2018	1661	4042	1661
Transmission / Substation	8/19/2018	2949	77460	2949
Transmission / Substation	8/20/2018	2504	102664	2504
Transmission / Substation	8/20/2018	4476	182766	4476
Transmission / Substation	8/21/2018	216	396	216
Transmission / Substation	8/22/2018	4172	24086	2046
Transmission / Substation	8/29/2018	1363	58609	1363
Transmission / Substation	9/1/2018	4057	43969	1879

Transmission/Substation Outage Data

Outage Event Description	Date of Event	# of Customers	Non-Storm Excluded CMI	Non-Storm Excluded CI
Transmission / Substation	9/7/2018	1491	1640	1491
Transmission / Substation	9/14/2018	660	3960	660
Transmission / Substation	9/15/2018	3832	195422	3832
Transmission / Substation	9/15/2018	3832	215039	3832
Transmission / Substation	9/17/2018	23	780	23
Transmission / Substation	9/19/2018	16529	18730	16529
Transmission / Substation	9/22/2018	2517	58143	2517
Transmission / Substation	9/22/2018	766	1404	766
Transmission / Substation	9/28/2018	357	2059	357
Transmission / Substation	9/28/2018	3929	7269	3929
Transmission / Substation	9/29/2018	2055	107015	2055
Transmission / Substation	10/3/2018	1	75	1
Transmission / Substation	10/6/2018	651	781	651
Transmission / Substation	10/8/2018	1482	4495	1482
Transmission / Substation	10/16/2018	50815	241000	11719
Transmission / Substation	10/18/2018	916	30869	916
Transmission / Substation	10/24/2018	677	12558	677
Transmission / Substation	10/27/2018	1819	3941	1819
Transmission / Substation	10/30/2018	1751	2568	1751
Transmission / Substation	10/30/2018	1751	48693	1751
Transmission / Substation	10/30/2018	1208	30576	1208
Transmission / Substation	10/31/2018	989	24099	989
Transmission / Substation	10/31/2018	4982	78747	3657
Transmission / Substation	10/31/2018	2792	65908	2792
Transmission / Substation	11/3/2018	1	1	1
Transmission / Substation	11/4/2018	1149	29338	1149
Transmission / Substation	11/4/2018	1149	2336	1149
Transmission / Substation	11/4/2018	1149	7469	1149
Transmission / Substation	11/4/2018	16	96	16
Transmission / Substation	11/7/2018	745	1714	745
Transmission / Substation	11/7/2018	1	6	1
Transmission / Substation	11/7/2018	3282	87128	3282
Transmission / Substation	11/7/2018	361	638	361
Transmission / Substation	11/8/2018	4541	26150	3426
Transmission / Substation	11/9/2018	1536	42950	1260
Transmission / Substation	11/12/2018	526	7366	526
Transmission / Substation	11/14/2018	2218	6506	2218
Transmission / Substation	11/15/2018	482	16728	482
Transmission / Substation	11/16/2018	5355	13911	5355
Transmission / Substation	11/16/2018	590	25842	590
Transmission / Substation	11/20/2018	1578	28404	1578
Transmission / Substation	11/26/2018	2103	13670	2103
Transmission / Substation	11/28/2018	3946	47333	3946
Transmission / Substation	12/3/2018	1246	1848	1246
Transmission / Substation	12/4/2018	1174	3052	1174
Transmission / Substation	12/7/2018	6288	53831	6288

Transmission/Substation Outage Data

Outage Event Description	Date of Event	# of Customers	Non-Storm Excluded CMI	Non-Storm Excluded CI
Transmission / Substation	12/20/2018	805	3247	805
Transmission / Substation	12/20/2018	791	17152	791
Transmission / Substation	12/21/2018	2326	6203	2326
Transmission / Substation	12/21/2018	273	8161	273
Transmission / Substation	12/22/2018	1228	2988	1228
Transmission / Substation	12/25/2018	1119	19955	1119
Transmission / Substation	12/26/2018	1084	26233	1084
Transmission / Substation	12/27/2018	3416	11102	3416
Transmission / Substation	12/28/2018	1	156	1

Emergency Management Plan Severe Weather Brief

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OVERVIEW/INTRODUCTION

FPL's Emergency Preparedness Plan provides guidance in the response to emergency situations associated with natural disasters, such as named tropical storms and hurricanes, cold weather, tornadoes and fires. The Plan identifies emergency conditions and delineates the responsibilities and duties of the FPL Emergency Response Organization. This summary is intended to provide a broad view of FPL's Emergency Preparedness Plan's overall emergency processes and its associated detailed procedures and standards on processes, systems, accounting, safe work practices, etc. The Emergency Preparedness Plan does not address common day-to-day emergencies; the established departmental procedures are used to cope with such incidents.

The Plan provides information on several key features, such as, organizations responsible for developing damage forecast, conducting damage assessment, restoration response, and supporting organizations for external agency support (such as regulatory agencies, EOC's, local municipalities, etc.) and major commercial and industrial customers. General information relative to our communications (internal and external) is also provided.

When an emergency incident is declared or anticipated, such as an approaching tropical storm or hurricane, FPL activates its Emergency Response Organization and establishes a comprehensive Command and Control structure for the incident, including the activation of its Command Center. As part of its Emergency Response Organization, FPL has incorporated key tenets and concepts according to National Incident Management System (NIMS) and the Incident Command System (ICS). When a hurricane or severe tropical storm threatens, or a situation, such as a wild fire or extreme cold weather event occurs, an appraisal of the situation is made by designated personnel (Planning Chiefs) and action is taken in accordance with this plan. FPL's Emergency Response Organization is then notified and mobilized to manage operations, logistics, and associated command staff, such as Public Information Officer, to coordinate all communications with the public sector and private enterprise, as well as appropriate governmental agencies.

Once the emergency is over, FPL's goal is to restore service in a safe, expeditious, and effective manner, while ensuring system integrity and minimizing the impact to our customers.

SEVERE STORMS

This summary will focus strictly on severe storms - named and unnamed - that impact the FPL service territory (regardless of actual landfall of storm's center) and cause service interruptions to our customers.

Watches and Warnings

Tropical Storm Watch - Issued when a tropical storm in which the maximum sustained surface winds range from 39-73mph is expected in a specified coastal area within 36 hours;

Tropical Storm Warning - Issued when a tropical storm is expected in a specified coastal area within 24 hours;

Hurricane Watch - Issued when hurricane conditions pose a possible threat to a specified coastal area within 36 hours; and

Hurricane Warning - Issued when winds of 74mph or higher are expected in a specified coastal area within 24 hours.

Hurricanes

Tropical storms/hurricanes are categorized by the Saffir-Simpson Hurricane Scale based on the circular wind speed and central pressure. The following is a summary of the storm categorization as found on the National Hurricane Center website:

Category One Hurricane:

Winds 74-95 mph (64-82 kt or 119-153 km/hr) - No significant damage to building structures; damage primarily to unanchored mobile homes, shrubbery, and trees; some damage to poorly constructed signs and also some coastal road flooding and minor pier damage.

Category Two Hurricane:

Winds 96-110 mph (83-95 kt or 154-177 km/hr) - Some roofing material, door, and window damage of buildings; considerable damage to shrubbery and trees with some trees blown down; considerable damage to mobile homes, poorly constructed signs, and piers; coastal and low-lying escape routes flood 2-4 hours before arrival of the hurricane

center; and small craft in unprotected anchorages break moorings.

Category Three Hurricane:

Winds 111-130 mph (96-113 kt or 178-209 km/hr) - Some structural damage to small residences and utility buildings with a minor amount of curtain wall failures; damage to shrubbery and trees with foliage blown off trees and large trees blown down; mobile homes and poorly constructed signs are destroyed; low-lying escape routes are cut by rising water 3-5 hours before arrival of the center of the hurricane; flooding near the coast destroys smaller structures with larger structures damaged by battering from floating debris; terrain that is continuously lower than 5 ft above mean sea level may experience inland flooding 8 miles (13 km) or more; and evacuation of low-lying residences within several blocks of the shoreline may be required.

Category Four Hurricane:

Winds 131-155 mph (114-135 kt or 210-249 km/hr) - More extensive curtain wall failures with some complete roof structure failures on small residences; shrubs, trees, and all signs are blown down; complete destruction of mobile homes; extensive damage to doors and windows; low-lying escape routes may be cut by rising water 3-5 hours before arrival of the center of the hurricane; major damage to lower floors of structures near the shore; and terrain lower than 10 ft above sea level may be flooded requiring massive evacuation of residential areas as far inland as 6 miles (10 km).

Category Five Hurricane:

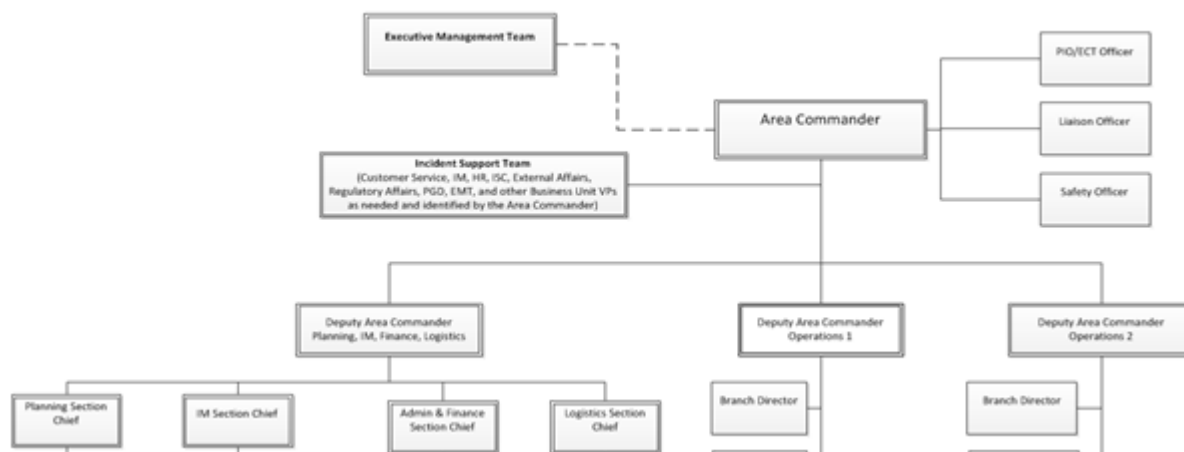
Winds greater than 155 mph (135 kt or 249 km/hr) - Complete roof failure on many residences and industrial buildings; some complete building failures with small utility buildings blown over or away; all shrubs, trees, and signs blown down; complete destruction of mobile homes; severe and extensive window and door damage; low-lying escape routes are cut by rising water 3-5 hours before arrival of the center of the hurricane; major damage to lower floors of all structures located less than 15 ft. above sea level and within 500 yards of the shoreline; massive evacuation of residential areas on low ground within 5-10 miles (8-16 km) of the shoreline may be required; Only 3 Category Five Hurricanes have made landfall in the United States since records began to kept: The Labor Day Hurricane of 1935, Hurricane Camille (1969), and Hurricane Andrew in August 1992.

CRITERIA FOR ACTION

At approximately 96 - 72 hours pre-landfall, it is the responsibility of the Power Delivery Sr. Director Emergency Preparedness to initiate a corporate conference call with all key business units (such as Marketing & Communications, Customer Service, External Affairs, etc.) and their staff in order to provide information about the storm's progress and review precautionary measures including activation of the pre-positioned public safety information messages. Once the course and severity of an imminent storm appear fairly well established, damage forecasts are prepared. Utilizing our mutual aid agreements, restoration resources are committed prior to impact. As appropriate, deployment of additional resources and materials may be authorized and situated at some point out of the storm's path, but close enough to permit short travel and quick deployment of these resources post storm. Preparations for receiving, accommodating, and assigning work crews and personnel from other areas will be completed by the FPL Command Center and coordinated with the appropriate incident commanders in advance of the storm, at either sites specifically for processing of personnel or crew staging areas. The existing service centers that are in the path of the storm will be in full storm activation level by 72 hours pre-landfall; the additional staging sites or work bases will begin full storm status once the storm has passed and it is safe to travel.

STORM ORGANIZATION

The storm organizational structure and lines of authority are based on the implementation of the principles of ICS, consistent with the NIMS protocols (including Incident Action Planning and communications plans). The following organization chart is based on a moderate impact. Depending on the nature of the storm and the extent of the forecasted damage, this structure would be expanded with other groups as needed. Again, this figure intends to show broad areas of responsibility, and assignments may be delegated or reassigned as necessary to perform the work and execute an effective restoration of service to customers. Roles and responsibilities have been developed for key positions and are part of the Emergency Preparedness Plans.



General

In addition to restoration, the FPL Area Command is responsible for continuous updated information to internal stake holders, general public, media, and state and federal agencies. The FPL Command Center will be appropriately staffed by business units and will be operational throughout the restoration process, including the demobilization phase. Initial damage and status reports will be made to this location by the affected areas, followed by regular progress reports of the restoration of service. Information submitted will be made available to all stakeholders and appropriate governmental agencies.

Key Responsibilities:

It is the responsibility of the appropriate business units (such as Power Delivery and Customer Service) to direct and allocate resources and materials as soon as possible following the passage of the storm. Rapid and orderly restoration of infrastructure including transmission lines, substations, and feeders is essential to minimize the impact on our customers. This requires a state of readiness achieved by planning and training, and coordination between the staging areas/work bases and the FPL Command Center.

The FPL Emergency Response Organization coordinates and arranges for support in the following major areas:

- Embedded Crews - line workers and vegetation management teams currently working in FPL's system;
- External crews - Non-Company crews (both line resources and vegetation management) from contractor and other utility companies;
- Materials, supplies and vehicles; and
- Logistical support (sleeping accommodations, food, laundry, etc.).

DAMAGE ASSESSMENT

Immediately following a severe storm, once conditions are safe for travel, a general assessment of damage should be made by all business units, in particular the Power Delivery Business Unit, and reported to the FPL Command Center. This initial report is not a detailed or quantitative survey but rather a qualitative review based on observations by managers and pre-identified spotters from the various area operations departments. This first storm report will address issues such as accounting for employees and their safety, organization levels, general extent and type of damage sustained, and readiness to begin restoration and receive additional outside resources. Aerial patrols will be coordinated simultaneously or immediately thereafter and incorporated in the damage assessment process.

The FPL Command Center, specifically the Planning Section, is responsible for providing key outage information back to the areas and organization as follows:

- Names of substations affected;

- Number of feeders impacted;
- Number of additional resources, crews or area storm teams being deployed; and
- Number of transmission lines out of service.

Due to the need for information there are several key planning conference calls conducted during the early days of restoration. These range from corporate level to operations - division level calls. Various systems are used to support the information flow, such as the Trouble Call Management System (FPL's outage management system), the Outage Communication System (customer centric), Ticket Ticker (near real time outage updates), and various other applications.

Understanding the level of feeder and lateral damage is key to understanding resource requirements. FPL has developed an application that allows patrollers to document this information utilizing mobile devices with the goal of completing this initial assessment within 48 hours. Currently, FPL continues developing additional mobile damage assessment applications and tools to enable detailed damage assessment and incorporation of this information into work planning.

RESOURCE MANAGEMENT

Based on pre-storm damage forecasts, as well as initial post-storm assessments, the Area Command Resource Unit will acquire and allocate additional resources to staging site/work bases. This determination is based on the amount and type of damage, location, and estimated time of restoration. The resources allocated for restoration will be both FPL embedded and external resources, and include both line workers and vegetation management crews. All resource movements will be tracked in FPL's Resources for Emergency Deployment (REDi) system. The Resource Unit will be responsible for performing the following activities and providing appropriate information to all parties as necessary:

- Expected resources, assigned locations, and ETA's;
- Update REDi with incoming resources and deployment activities;
- Maintain a record of all foreign crews on the system, the time they were requested and by whom, and the time they arrived;
- Continually evaluate the restoration progress and coordinate the reassignment of foreign crews as necessary; and
- Provide field supervision to maintain accurate records of outside resource time keeping/billing procedures. These records will be matched to the billing invoice, approved and processed for payment where appropriate.

COMMUNICATION

External storm communication

Public Information consists of both "preparatory" Emergency Public Information, Emergency Media Information programs, and internal distribution of publicly disseminated information. The Public Information Officer is responsible for the dissemination of information including prerecorded "public safety" messages that have been pre-positioned with the media within FPL's service territory.

Storm/hurricane messages cover voluntary pre-storm preparation and safety appeals, as well as information on how to facilitate safe and timely power restoration following a storm. Prompt activation of these messages, with support from the media, can help customers prepare for an emergency.

Emergency media information programs consist of timely and consistent news statements for release to radio, television and newspaper outlets in FPL's service territory as well as social media communications materials and collateral. These statements are drafted under the guidance of the Public Information Officer and FPL's Crisis Information Team organization as needed, and as information on the emergency becomes available. In addition, FPL is prepared to mobilize for media news briefings, provide interviews and otherwise assist with media and press requests for visual aids, photography and video, as appropriate.

The same emergency public information will be shared with state and local emergency management groups and agencies and other utilities or industry organizations, as appropriate.

Internal storm communication

The Public Information Officer is responsible for ensuring that information developed for public dissemination is distributed internally to management and employees of the utility.

TRAINING, EXERCISES, AND DRILLS

FPL has a comprehensive training program that is exercised throughout the year to ensure its employees are prepared to respond to an event. The majority of the training is completed through instructor led courses, workshops, and web based training.

FPL conducts an annual dry run full scale exercise, prior to the beginning of hurricane season. This is a corporate wide exercise, and involves over three thousand employees, each with a specific storm assignment. The annual dry run provides FPL employees an opportunity to refresh their knowledge, practice their skills and prepare for a storm event.

During dry runs, required communications, reports and systems are exercised to simulate an actual storm. This provides a forum for all groups involved in restoration to:

- Exercise respective storm processes;
- Test any new process improvements;
- Test existing and new technology;
- Evaluate communications processes;
- Assess emergency preparedness by functional area;
- Identify improvement opportunities for processes prior to actual storm conditions; and
- Assess training needs.

Immediately following the dry run exercise, a lessons-learned session is conducted including company executives. In addition, feedback is requested via a database that is available to all employees. A summary of the feedback is completed with lessons learned and action items. A Plan-Do-Check-Act process is then followed until completion and implementation of all lessons learned. This critique process is followed with each actual event.