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March 1, 2019

VIA: ELECTRONIC MAIL

Mr. Tom Ballinger, Director
Division of Engineering
Florida Public Service Commission
Room 215J – Gerald L. Gunter Building
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Storm Implementation Plan and Annual Reliability Performance Reports

Dear Mr. Ballinger:

Submitted herewith is Tampa Electric Company's 2018 Storm Implementation Plan and Annual Reliability Performance Reports.

Sincerely,

James D. Beasley

JDB/pp
Enclosure

2018

STORM IMPLEMENTATION PLAN

&

ANNUAL RELIABILITY PERFORMANCE REPORTS

FILED: March 1, 2019

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SUMMARY OF 2018

STORM HARDENING PLAN, ANNUAL RELIABILITY PERFORMANCE REPORTS and ANNUAL WOOD POLE INSPECTIONS

Tampa Electric received approval of its 2016-2018 Storm Hardening Plan in Docket No. 160105-EI, Order No. PSC-16-0569-PAA-EI, issued December 19, 2016 and finalized by Consummating Order No. PSC-17-0023-CO-EI issued January 12, 2018.

In 2018, Tampa Electric continued to perform the required system hardening activities such as equipment upgrades, system and equipment maintenance, upgrading of distribution wood structures, replacement of transmission wood structures and the company's distribution and transmission inspection processes. These continued storm hardening activities will ensure Tampa Electric's electrical system will perform at an acceptable level if another major storm impacts the company's service area.

Tampa Electric's 2018 distribution reliability indices, when compared to 2017, showed an increase in System Average Interruption Duration Index ("SAIDI"), Customer Average Interruption Duration Index ("CAIDI"), System Average Interruption Frequency Index ("SAIFI'), Momentary Average Interruption Event Frequency Index ("MAIFIe") and Average Duration of Outage Events ("L-Bar"). The increase in the reliability indices was due to several unnamed storm days that occurred in November and December. Although there was an adverse impact to SAIDI, MAIFIe, SAIFI, and CAIDI from the unnamed storms, these reliability indices without those unnamed storm days would have still been higher than 2017 with the exception of L-Bar. The 2018 adjusted SAIDI compared to 2017 shows there was a 23 percent increase due to the unnamed storm days. The 2018 adjusted SAIDI would have been eight percent higher than 2017 adjusted SAIDI without the unnamed storm days. The 2018 adjusted CAIDI compared to 2017 shows there was a 12 percent increase due to the unnamed storm days, however, the 2018 CAIDI is lower than the

five-year average. The 2018 adjusted CAIDI would have been three percent higher than the 2017 adjusted CAIDI without the unnamed storm days. The 2018 adjusted MAIFIe compared to 2017 shows a five percent increase due to unnamed storm days, however, the 2018 MAIFIe is lower than the five-year average. The 2018 MAIFIe would have been one percent higher than 2017 adjusted MAIFIe without the unnamed storm days. The 2018 adjusted SAIFI compared to 2017 shows there was a 13 percent increase due to an increase in outages which resulted from the unnamed storm days. The 2018 adjusted SAIFI would have been five percent higher than 2017 adjusted SAIFI without the unnamed storm days. The 2018 adjusted L-Bar would have been three percent lower than 2017 adjusted L-Bar without the unnamed storm days.

For 2019, Tampa Electric remains committed to continued electric system storm hardening and will submit the company's 2019-2021 Storm Hardening Plan demonstrating continued compliance to Rule 25-6.0342 Florida Administrative Code ("FAC") on March 1, 2019.

The following pages include the following reports:

1. Tampa Electric's 2018 activities and costs and 2019 projected activity and costs for each of the Ten Storm Hardening Initiatives.
2. Tampa Electric's 2018 Annual Distribution Service Reliability Report as required by Rule 25-6.0342 FAC.
3. Tampa Electric's 2018 Annual Wood Pole Inspection Report as required by Docket Nos. 07-0634-EI and 07-0635-TL, Order No. PSC-07-0918-PAA-PU issued November 14, 2007.

A) Initiative 1: Four-year Vegetation Management

Tampa Electric's Vegetation Management Program ("VMP") incorporates a balanced approach to electrical safety and reliability while adhering to National Electric Safety Code ("NESC") and the American National Standards Institute ("ANSI") A300 pruning standards. The company manages approximately 6,300 miles of overhead

distribution and 1,300 miles of overhead transmission lines over five counties within Florida. Tampa Electric's current VMP calls for trimming the company's distribution system on a four-year cycle approved by the Commission in Docket No. 120038-EI, Order No. PSC-12-0303-PAA-EI, issued June 12, 2012. The plan incorporates the flexibility to change circuit prioritization utilizing the company's reliability based methodology.

B) Initiative 2: Joint Use Pole Attachments Audit

In 2018, Tampa Electric conducted comprehensive loading analyses and continued to streamline processes to better manage attachment requests from attaching entities. The comprehensive loading analysis was performed on 3,205 poles and all poles determined to be overloaded will be corrected.

For 2019, Tampa Electric will continue conducting comprehensive loading analyses where necessary.

C) Initiative 3: Transmission Structure Inspection Program

Tampa Electric's Transmission Structure Inspection Program is a multi-pronged approach that identifies potential transmission system issues.

In 2018, all scheduled inspections were completed. These included the annual ground patrol, above ground, ground line, aerial infrared and substation inspections.

For 2019, the annual ground patrol, above ground, ground line, aerial infrared and substation inspections are scheduled to meet program requirements.

D) Initiative 4: Hardening of Existing Transmission Structures

Tampa Electric continues hardening the existing transmission system in a prudent and cost-effective manner utilizing the company's inspection and maintenance program to systematically replace wood structures with non- wood structures.

In 2018, Tampa Electric hardened 164 structures that included 155 pole replacements utilizing steel or concrete poles and 9 sets of insulators replaced with polymer insulators.

For 2019, Tampa Electric is projecting to harden 120 transmission structures as part of the pole inspection and maintenance program.

E) Initiative 5: Geographic Information System

Tampa Electric's Geographic Information System ("GIS") continues to serve as the foundational database for all transmission, substation and distribution facilities. All transmission, substation and distribution facilities are inputted into the company's GIS.

In 2018, Tampa Electric continued to implement changes and enhancements to the company's GIS system. These changes included data updates, plus metadata and functionality changes, to closer align with business processes and improve user performance.

F) Initiative 6: Post-Storm Data Collection

Tampa Electric's process for post-storm data collection and forensic analysis has been in place for approximately eleven years. The company has continued the relationship with outside contractors to perform data collection, forensic analysis, forensic reporting and the following critical components of the plan:

- The establishment of a field asset database
- Implement forensic measurement protocol
- Perform the integration of forensics activity with overall system restoration efforts
- Perform forensic data sampling
- Provide reporting in a standardized format

Should a Category One or greater storm impact Tampa Electric's service area, the overall process will facilitate post-storm data collection and forensic analysis that will be used to determine the root cause of damage occurring to the company's transmission and distribution system.

G) Initiative 7: Outage Data - Overhead and Underground Systems

Tampa Electric was not impacted by any major storms in 2018. Should a major weather event occur in 2019, the company believes it has an established process in place for collecting post-storm data and performing forensic analyses. The company also has appropriate measures in place to manage outage performance data for both overhead and underground systems.

H) Initiative 8: Increase Coordination with Local Governments

In 2018, Tampa Electric's communication efforts focused on maintaining existing vital government contacts and continued participation on standing disaster recovery planning committees. Tampa Electric continues to be involved in improving emergency response to vulnerable populations. In addition, the company also participated in storm planning meetings, training, and/or joint storm exercises with the Florida Public Service Commission ("FPSC"), the Florida Division of Emergency Management ("FDEM"), the Florida Department of Transportation ("FDOT"), Hillsborough County, Pasco County, Pinellas County, as well as the Cities of Oldsmar, Plant City, Tampa and Temple Terrace.

I) Initiative 9: Collaborative Research

Tampa Electric is participating in a collaborative research effort with the state's other investor-owned, municipal and cooperative electric utilities to further the development of storm resilient electric utility infrastructure and technologies that reduce storm restoration costs and outages to customers. This research is being facilitated by the Public Utility Research Center ("PURC") at the University of Florida. A steering committee comprised of one member from each of the participating utilities is providing the direction for research initiatives. The Memorandum of Understanding

("MOU") was signed with PURC in December 2018 which expires on December 31, 2020 allowing this collaborative research to cover two years of the current Commission approved Storm Hardening Plan.

In 2018, a conference call was held between participating utilities to discuss the underground modeling data that had been gathered from recent storms.

J) Initiative 10: Disaster Preparedness and Recovery Plan

Tampa Electric Emergency Management plans address all hazards, including extreme weather events. Tampa Electric follows the policy set by TECO Energy for Emergency Management and Business Continuity which delineates the responsibility at employee, company and community levels.

In 2018, Tampa Electric participated in the following disaster preparedness and recovery plan activities which included in-depth coordination with local, state and federal emergency management in the following areas:

- Principal member of the National Fire Protection Association ("NFPA") 1600 – Committee on Business Continuity, Emergency Management and Disaster Recovery
- Member of the Edison Electric Institute ("EEI") Business Continuity Leadership Team
- Member of the EEI Mutual Assistance Committee
- Member of the Electric Subsector Coordinating Council ("ESCC") Leadership Working Group
- Member of the Local Mitigation Strategy ("LMS") and Vulnerable Population Committees
- Member of the GridEx Working Group ("GEWG") for the planning and development of GridEx V exercise design plan and exercise scenario
- Member of the Critical Facility Working Group to review restoration priorities
- Member of the Southeastern Electric Exchange ("SEE") Mutual Assistance Committee

- Member of the SEE Logistics Subcommittee
- Member of the Florida Emergency Preparedness Association ("FEPA")
- Member of the Association of Contingency Planners ("ACP")
- Member of the International Association of Emergency Managers ("IAEM")

Tampa Electric continues to participate in internal and external preparedness exercises, collaborating with government emergency management agencies, at local, state and federal levels.

For 2019, Tampa Electric will continue in leadership roles in county and national preparedness groups: Hillsborough County and the COT PDRP, EEI, FEPA, ESCC, and the NFPA 1600 Committee on Emergency Management, Business Continuity and Disaster Recovery. In addition, Tampa Electric will continue to be active participants in LMS, Vulnerable Population Committee, SEE's Mutual Assistance Committee and Logistics Subcommittee, EEI Mutual Assistance Committee, as well as the Critical Facility Working Group. Tampa Electric will also continue to promote growth of its website, Twitter and Facebook followers.

K) Wood Pole Inspection Program

Tampa Electric's Ground Line Inspection Program for the company's transmission, distribution and lighting poles is based on the requirements of the NESC and is designed to inspect the entire pole population every eight years. Tampa Electric manages a total pole population of approximately 409,000 over the company's entire service area. Out of this population, there are approximately 285,000 distribution and lighting wood poles and 26,000 transmission poles appropriate for inspection for a total pole inspection population of approximately 311,000 over five counties within Florida.

In 2018, Tampa Electric performed 39,887 wood pole inspections. This completes the fifth year of the second cycle of the company's eight-year wood poles inspection program.

For 2019, the company plans to perform approximately 39,500 wood pole inspections.

SECTION I – Storm Preparedness Plans

A) Initiative 1: Four-year Vegetation Management

1) Program Overview

Tampa Electric's VMP provides a balanced approach to vegetation management and currently calls for a four-year tree trim cycle, which will improve the quality of line clearance while increasing system reliability related to system hardening activities. Tampa Electric facilitates the VMP with an emphasis on critical trimming needed in areas identified by the company's reliability-based methodology.

2) Description of Vegetation Management Program

In 2018, Tampa Electric's VMP utilized eight full-time company employees and approximately 203 contracted tree trim personnel to manage the company's distribution tree trimming requirements. The company's VMP utilizes ANSI A300 standards which are implemented through Tampa Electric's Transmission and Distribution Line Clearance Specifications. This comprehensive document covers specifications related to operations, notification guidelines, tree trimming and removal, chemical application, targeted completion dates, overtime and non-compliance.

In 2018, Tampa Electric utilized approximately 20 contracted tree trim personnel to manage the company's transmission tree trimming requirements. In addition, Tampa Electric's Transmission Vegetation Management Program ("TVMP") continues to comply with the North American Electric Reliability Corporation ("NERC") standard for Transmission Vegetation Management FAC-003-3.

For 2019, Tampa Electric has 215 dedicated distribution tree trim personnel throughout the company's seven service areas. These dedicated resources are

broken out into two categories: Proactive and Reactive. The proactive resources are utilized for circuit tree trimming activities and consist of 189 personnel. The reactive resources consist of 26 personnel and are employed for hotspot trims, customer requested work and work orders associated with circuit improvement process. Lastly, Tampa Electric has 20 dedicated personnel responsible for the vegetation management of the company's transmission system.

3) Summary of Past and Future Activities

In 2018, Tampa Electric's System Reliability and Line Clearance Departments utilized a third-party vegetation management software application. Using this application, an analysis was completed which took into consideration multi- year circuit performance data, trim cycles and cost. The analysis has resulted in the development of a multi-year VMP which optimizes activities from both a reliability based and cost-effective standpoint within the company's overall VMP.

For 2019, Tampa Electric will continue to review current reliability-based information and pertinent field and customer information along with the company's annual trimming plan to maximize the overall effectiveness of the company's VMP.

4) Tree-related Terms and Definitions

Tampa Electric utilizes the following tree-related terms and definitions:

- Top for removal - A tree that must be cleared to a safe distance from the overhead electrical facilities for property owner removal.
- Hotspot trimming - Any internal or external customer driven request for tree trimming. Therefore, all tree trim requests outside of full circuit trimming activities are categorized as hotspot trims.

5) Criteria Used to Select a Vegetation Management Response

Tampa Electric's Line Clearance arborists, in conjunction with a contracted tree trim general foreman, evaluate whether to remove a tree, hotspot trim or execute full circuit trimming based on several variables. These variables include the date

the circuit was last trimmed, circuit reliability data and visual inspection of the circuit. Specific to tree removal, any tree which cannot be trimmed in accordance with ANSI A300 standards is considered for removal. On occasion, Tampa Electric has replaced a tree with a more suitable tree at the company's expense. The company promotes the Right Tree, Right Place Program, whereby customers are encouraged to plant trees that will not interfere with electrical facilities. Tampa Electric operates and maintains a customer information website which allows any customer to review the recommended set back distances for planting from electrical facilities.

6) Vegetation Management Practices – Utility Easements and Rights of Way

Tampa Electric's tree clearing practices inside and outside utility easements and Rights of Way ("ROW") utilize a variety of methods to determine the corrective actions to be taken on a case-by-case basis.

Inside utility easements, where tree and/or brush removal is required to complete the maintenance activity Tampa Electric's tree trimming practices, the contractor or company representative is required to make every reasonable effort to notify the property owner(s) prior to removing and/or chemically treating any trees or brush.

Outside utility easements and ROW, where tree and/or brush removal is required to complete the maintenance activity, the contractor or company representative is required to make every reasonable effort to secure permission from property owners prior to removing and/or chemically treating any trees or brush. Instances where removal is not possible, Tampa Electric will clear to the extent of the company's distribution Line Clearance specifications.

7) Relevant Utility Tariffs

Tampa Electric is not limited in terms of tariff language pertaining to vegetation management within easements and ROW.

8) Company Practices Regarding Trimming Requests

Most external based requests for tree trimming are routed to representatives in Tampa Electric's Customer Service - One Source Department for input into the work order management system. Work orders are received by Tampa Electric's Line Clearance personnel and assigned to tree trim contractors for a field inspection. Once the field inspection is complete, proper action is taken to satisfy the customer(s) request. These actions include communicating directly with the customer on-site or leaving a door hanger with detailed tree trimming information.

In 2018, approximately 69 percent of all customer driven tree trim requests resulted in some form of tree trimming. The balance of the requests did not require immediate action or were the responsibility of other utilities.

9) Coordination with Local Governments and Communities

Tampa Electric continued its efforts toward effective vegetation management as part of a coordinated plan with local governments and communities. Tampa Electric's Line Clearance Department and Community Relations Department hold periodic meetings with local governments and communities related to vegetation maintenance activities, upcoming projects, and emergency recovery strategies. Tampa Electric's Community Relations Department is tasked with communicating with local and state government officials, residential and commercial customers on several topics, including vegetation management. The company's goal is to keep governmental officials aware and briefed on relevant issues regarding these topics while working with internal Tampa Electric departments to resolve vegetation management issues in and around the company's infrastructure in a timely and responsive manner.

In 2018, Tampa Electric partnered with City of Temple Terrace for Arbor Day where company volunteers planted a variety of trees in Serena Park. Tampa Electric also served on the City of Tampa's Natural Resources Advisory Committee.

During the fourth quarter 2018, Tampa Electric submitted its renewal application to the National Arbor Day Foundation's Tree Line USA Program and expects to receive endorsement in the first quarter of 2019. This will be the eleventh consecutive year Tampa Electric has received the National Arbor Day Foundation's prestigious Tree Line USA Program designation.

10) Conclusion

Tampa Electric has set forth an aggressive program to effectively operate and manage the company's overall VMP and will continue to enhance the level of communication and coordination with local governments and communities.

For 2019, the company will continue to operate the VMP on a four-year cycle in accordance with Commission approved Docket No. 120038-EI, Order No. PSC-12-0303-PAA-EI, issued June 12, 2012.

B) Initiative 2: Joint Use Pole Attachments Audit

1) Overview

In 2018, Tampa Electric conducted comprehensive loading analyses and continued to streamline processes to better manage attachment requests from attaching entities. A comprehensive loading analysis was performed on 3,205 poles and all poles determined to be overloaded will be corrected.

For 2019, Tampa Electric will continue conducting comprehensive loading analyses where necessary.

2) Joint Use Agreements

Due to the size of Tampa Electric's service area and the number of poles the company has, there will always be the potential for unknown foreign attachments to exist on facilities which could place additional loading on a facility which may create an overload situation. To help mitigate these potential overload situations, all Tampa Electric joint use agreements have provisions that allow for periodic

inspections and/or audits of all joint use attachments to the company's facilities. In addition, all agreements have provisions that require the attaching party to build and maintain attachments within NESC guidelines or Tampa Electric specifications, whichever are more stringent. All of Tampa Electric's existing joint use agreements require attaching parties to receive authorization from the company prior to making all attachments to its facilities.

In 2018, Tampa Electric reviewed all known attachment records and verified that the company has joint use agreements with all attaching entities. Tampa Electric added two new third-party agreements for a total of 37 joint use agreements with attaching entities.

For 2019, Tampa Electric's Joint Use Department will continue working with third party attachers on new attachment agreements.

3) Tampa Electric's Joint Use Department

Tampa Electric's Joint Use Department strives to ensure the poles are not overloaded and meet the NESC or Tampa Electric Standards, whichever is more stringent, in an effort to lessen storm related issues on poles with joint use attachments. All joint use agreements require attaching entities to apply for and gain permission to make attachments to Tampa Electric's poles. Tampa Electric's permit application process requires a thorough review of the application, an engineering assessment of every pole where attachments are being proposed which includes comprehensive loading analysis and compliance with NESC or Tampa Electric's construction standards, the completion of any necessary construction to ensure poles are ready for attachments, Tampa Electric's permission to attach to the poles requested and a post inspection and authorization of the attachments that have been placed in the field. The company also uses National Joint Utility Notification Systems ("NJUNS") for the purpose of improving the coordination and notification process with attaching entities.

In 2018, Tampa Electric had a large fiber deployment along with an influx of small cell permit applications. The company's Joint Use department processed 176 pole attachment applications for 3,205 poles. As a result, the company identified 52 distribution poles that were overloaded due to joint use attachments and 228 poles were overloaded due to Tampa Electric's attachments. Out of the 3,205 poles that were assessed through the pole attachment application process and the comprehensive loading analysis, there were 1,683 that had NESC violations due to joint use attachments and 502 poles with NESC violations due to Tampa Electric attachments. All poles with NESC violations were either corrected by adjustments to attachments, pole replacements or joint use entities' removal of the attachments in violation.

In 2018, effort was made by third party "attachers" to notify Tampa Electric of poles planned for over-lashing. Over-lashing is one specific area of concern which is when a joint use entity attaches to an existing attachment without prior Tampa Electric engineering and authorization.

For 2019, Tampa Electric's Joint Use Department will continue working with small cell companies to finalize attachment agreements. Tampa Electric will continue performing make ready for the small cell and fiber deployments across the company's entire service territory.

4) Impact of Non-electric Utility Poles on Storm Recovery

Tampa Electric has internal procedures that if a pole is identified during an emergency, restoration or is needed to provide electrical service to a customer and must be replaced, the company will replace the pole on-site and will notify the owner of the pole after the fact. The notification follow-up will also include an invoice for the cost to replace the pole. Tampa Electric utilizes foreign owned wood poles throughout the company's service are mainly for service lines. Prior to Tampa Electric making an attachment to a foreign owned pole, the pole is put through comprehensive loading analysis. During the company's last major storm

event there was no impact of non-electric poles on storm recovery. The table below shows the count of the company's electric distribution poles as compared to the non-electric utility poles the company is attached to and the number of these poles with pole attachments that required repair during the company's last major storm restoration:

Electric vs. Non-Electric Utility Poles							
Total Number of Utility Distribution Poles		Total Number of Non-Electric Utility Distribution Poles that the Utility is attached to		Number of Attached Non-Electric Utility Distribution Poles Repaired following Irma		Number of Attached Non-Electric Utility Distribution Poles Replaced following Irma	
Feeders	Laterals	Feeders	Laterals	Feeders	Laterals	Feeders	Laterals
215,870	47,040	0	13,440	0	0	0	0

5) Initiatives that Align with Tampa Electric's Pole Inspection Program

Tampa Electric has completed a pole loading analysis and data collection on all current poles having joint users' attachments. Any new pole being proposed that will have non-electric pole attachments or any pole found to have unauthorized or unnoticed non-electric pole attachments will have a comprehensive pole loading analysis conducted. The analysis will ensure that the condition of the pole meets the requirements in Table 261-1 of the NESC and Tampa Electric Construction Standards. Additionally, comprehensive stress calculations will be conducted on any proposed joint use pole to ensure that each pole is not overloaded or approaching overloading for instances not already addressed by Order No. PSC-06-0144-PAA-EI. A comprehensive pole loading analysis will be conducted to determine if the pole loading is within acceptable tolerances and to determine which attachment is causing the overload condition if one exists. If the responsible party is a Joint User that has not permitted with Tampa Electric to be on that pole, Tampa Electric will notify said party. The Joint Users will have the choice to either remove their attachment(s) or pay for the cost of corrective action. Corrective

action will typically require either a pole replacement or the installation of an extended steel truss.

Tampa Electric's Joint Use Department started the process for a pole attachment audit in the last quarter of 2018. The attachment audit is scheduled to be completed in the last quarter of 2019. The main benefit of performing the audit is the identification of unauthorized attachments. This allows Tampa Electric to perform the engineering and loading analysis on these poles to ensure that all loading requirements are met.

6) Conclusion

In 2018, Tampa Electric's Joint Use Department continued ensuring the performance of the Comprehensive Loading Analysis Initiative and the processes for facilitating pole attachments were efficient to both the attaching entities and the company.

For 2019, Tampa Electric's Joint Use Department will continue performing comprehensive loading analysis on the company's poles for all new attachers that want to make attachments to the company's poles and will continue to look for more efficient processes for attaching entities as well as the Comprehensive Loading Analysis Initiative.

C) Initiative 3: Eight-year Inspection Cycle for Transmission Structures

1) Overview

Tampa Electric's Transmission System Inspection Program identifies potential system issues along the entire transmission circuit by analyzing the structural conditions at the ground line and above ground as well as the conductor spans. The inspection program is a multi-pronged approach with inspection cycles of one and eight-years depending on the goals or requirements of the individual inspection activity. Formal inspection activities included in the program are ground line, ground patrol, aerial infrared patrol, above ground and substation inspections.

Typically, the ground patrol, aerial infrared patrol and substation inspections are performed on one-year cycles. The ground line and above ground inspections are performed on an eight-year cycle. Additionally, pre-climb inspections are performed prior to commencing work on any structure.

2) Ground Line Inspection

Tampa Electric has continued the company's ground line inspection program that complies with the Commission's order requiring ground line inspection of wooden transmission structures. In addition, Tampa Electric has been including provisions in the Ground Line Inspection Program to identify deficiencies with non-wood structures. Ground line inspections are performed on an eight-year cycle. Each year approximately 12.5 percent of all transmission structures are scheduled for inspection.

In 2018, approximately 1,000 ground line inspections were completed as scheduled.

For 2019, ground line inspections are planned on approximately 12.5 percent of all transmission structures.

3) Ground Patrol

The ground patrol is a visual inspection for deficiencies with poles, insulators, switches, conductors, static wire and grounding provisions, cross arms, guying, hardware and encroachment.

In 2018, all 230 kV, 138 kV and 69 kV circuits were patrolled by ground at least once. The cost for the 2018 ground patrol inspections was $137,833.

For 2019, ground patrol is planned for all transmission circuits. All 230 kV, 138 kV and all critical 69 kV circuits will be ground patrolled prior to the peak of hurricane season with the remaining transmission circuits being completed by the end of

2019. Transmission circuits are typically scheduled to be patrolled by level of system criticality, with the most critical circuits patrolled first. The 2019 budget for the ground patrol inspections is $132,635.

4) Aerial Infrared Patrol

The aerial infrared patrol is typically performed on the entire transmission system. It is performed by helicopter with a contractor specializing in thermographic power line inspections and a company employee serving as navigator and observer. This inspection identifies areas of concern that are not readily identifiable by normal visual methods as well as splices and other connections that are heating abnormally and may result in premature failure of the component. Since many of these structures are on limited access ROW, this aerial inspection provides a frequent review of the entire transmission system and helps identify potential reliability issues in a timely manner.

The 2018 aerial infrared patrol was completed as scheduled on the entire transmission system.

For 2019, the aerial infrared patrol is planned on the entire transmission system.

5) Above Ground Inspections

Above ground inspections will continue to be performed on transmission structures on an eight-year cycle; therefore, each year approximately 12.5 percent or one-eighth of transmission structures are inspected. This inspection is performed either by internal team members or contractors specializing in above ground power pole inspections and may be performed by climbers, bucket truck, helicopter or Unmanned Aerial Systems (“UAS”). The above ground inspection is a comprehensive inspection that includes assessment of poles, insulators, switches, conductors, static wire, grounding provisions, cross arms, guying, hardware and encroachment issues. This program provides a detailed review of the above ground condition of the structure.

In 2018, above ground inspections were completed as scheduled on approximately 12.5 percent of all transmission structures.

For 2019, above ground inspections are planned on approximately 12.5 percent of all transmission structures.

6) Substation Inspections

Substation inspections consist at a minimum of an annual inspection of all transmission substations as well as sample and perform dissolved gas analyses annually for all transmission system autotransformers. These inspections identify equipment deficiencies and the information is entered into a maintenance database. The database is reviewed by substation leadership for prioritization and facilitation of the remediation process across Tampa Electric's system.

In 2018, substation inspections were performed on all transmission substations.

For 2019, substation inspections are planned on all transmission substations.

7) Pre-Climb Inspections

While not a part of the formal inspection program outlined above, Tampa Electric crews are required to inspect poles prior to climbing. As part of these inspections, the employee is required to visually inspect each pole prior to climbing and sound each pole with a hammer if deemed necessary. These pre-climbing inspections provide an additional integrity check of poles prior to the employee ascending the pole and may also result in the identification of any structural deterioration issues.

8) Reporting

Standardized reports are provided for each of the formal inspections. Deficiencies identified during the inspections are entered into a maintenance database. This maintenance database is used to prioritize and manage required remediation.

Deficiencies identified during the pre-climb inspections are assessed by the on-site crew and reported to supervisory personnel for determination of corrective action.

D) Initiative 4: Storm Hardening Activities for Transmission Structures

1) Overview

Tampa Electric is hardening the existing transmission system in a prudent, cost-effective manner utilizing the company's inspection and maintenance program. This plan includes the systematic replacement of wood transmission structures with non-wood structures during the company's annual maintenance of the transmission system. Additionally, the company will utilize non-wood structures for all new transmission line construction projects as well as system rebuilds and line relocations.

In 2018, Tampa Electric hardened 164 structures at a cost of $3.78 million. This included 155 pole replacements with steel or concrete poles and 9 sets of insulators replaced with polymer insulators.

For 2019, Tampa Electric plans to harden 120 transmission structures as a part of the pole inspection and maintenance program with a budget of $4.3 million. This includes 120 structure replacements with steel or concrete poles as well as replacing insulators with polymer insulators as needed.

E) Initiative 5: Geographic Information System

1) Overview

GIS is fully integrated into Tampa Electric's process as the foundational database for all transmission, substation and distribution facilities. All new computing technology requests are evaluated with an emphasis on full integration with GIS. Development and improvement of the GIS for users continues. In 2018, Tampa Electric continues to make changes and enhancements to the company's GIS system. These changes included data updates, plus metadata and functionality

changes to better conform to business processes and improve the user experience.

All initiatives are evaluated with the goal to eliminate redundant, exclusive and difficult to update databases, further cementing GIS as the foundational database for Tampa Electric.

Tampa Electric has an ongoing activity directed toward improving the functionality of the company's GIS. User improvement requests are forwarded to Tampa Electric's GIS User's Group, which meets regularly to review, evaluate and recommend enhancements for implementation.

2) Conclusion

Tampa Electric has fully integrated GIS into the company's business processes. All technology requests are evaluated with a goal of full integration into GIS. Development and improvement of the GIS for users continues.

In 2018, as in prior years, many improvements and enhancements were implemented.

For 2019, Tampa Electric expects to identify more opportunities to continue to enhance and improve the company's GIS.

F) Initiative 6: Post-Storm Data Collection

1) Establishment of a Forensics Team

In 2018, Tampa Electric was not impacted by any major hurricanes and did not initiate storm data collection to have forensic analysis performed. Tampa Electric has continued its relationship with its outside consultant to perform post-storm forensic analysis resulting from a Category One or greater storm. Its purpose is to determine the root cause of storm damage on a significant part of the company's service area after a major storm.

2) Establishment of Forensics Measurements

In 2018, Tampa Electric updated the database that was constructed by a consultant in 2007 for the establishment of forensics measurements. The consultant used the company's existing data sources and built a database of distribution facilities on a geographic basis of Tampa Electric's service areas. The database is updated on an annual basis with the company's transmission and distribution facilities. Tampa Electric will continue utilizing the consultants to collect data and facilitate the completion of the database to provide a complete understanding of the total facilities exposed to storm conditions in a given area in order to effectively analyze the extent of damage.

Pole damage compared to damage on other overhead components, such as conductors and equipment, generally have the biggest impacts on the system reliability, restoration and resource allocation. Tampa Electric's forensic analysis will look at pole damage during storm events. Pole damage during hurricanes can be categorized into two major categories: pole impacted (leaning poles and damaged other equipment) and broken poles. Recommendations on pole setting depth in different soil types will be provided, if needed.

Contributing factors to pole breakages during hurricanes can include trees, debris, presence of deterioration and wind. Although these factors may seem independent, they will result in additional stress on poles causing breakage to occur. Therefore, the impacts of these external factors will be examined and analyzed. Meanwhile, internal factors such as pole material (e.g., concrete, wood, metal), pole height/class, framing types, conductors, attachments and equipment will also be considered to determine the current pole loading profile. The company's consultant will take both external and internal factors into account and evaluate pole loading in both normal conditions (based on design criteria) and hurricane conditions.

Breakage rates (defined as the proportion of pole breakages to the total pole population) as opposed to absolute breakage counts will be considered in forensic analysis. Breakage rate analysis will be applied to every category of pole structures. Categories of pole structures are classified by each pole structure's unique combination of features including pole height/class, framing type, conductors, attachments and equipment and presence of deterioration, etc. Each category of pole structure will be studied in each wind region (region that has unique range of wind speed) to determine the breakage rate in each region.

3) Establishment of Forensics Database Format

In 2018, Tampa Electric updated the database that was constructed by a consultant in 2007 for the establishment of post-storm forensics measurements. The consultant used the company's existing data sources and built a database of transmission and distribution facilities on a geographic basis of Tampa Electric's service areas. The database was updated in 2018 with the company's transmission and distribution facilities.

Tampa Electric also utilizes a pole database that includes such information as pole size, average age, pole population by type of treatment, pole inspection and maintenance data such as last inspection or treatment, types of conductor, foreign utility attachment size and quantity and a number of other important factors and variables used for forensic analysis.

The pole database was built from Tampa Electric's pole inventory, pole inspection records and joint use attachment records. To address additional infrastructure installed in the company's system since the raw data was collected, all data collected during the forensic analysis process will be cross checked against the database and any missing data will be added. This will allow for all data collected during a storm event to be evaluated.

4) Forensics and Restoration Process Integration

Tampa Electric currently utilizes two separate contractors to perform the forensic and restoration process integration. The first consultant is used for data gathering immediately following a Category One or greater storm impacting the company's service area. The second consultant is used to conduct the actual forensic analysis on the data captured from the large storm event. As a Category One or greater storm approaches, the consultants will be notified that a request to mobilize may be imminent when Tampa Electric activates the company's Incident Command System ("ICS"). This will likely occur when the storm is within three days of landfall. The consultant is required to mobilize data gathering personnel and equipment no later than one day prior to landfall to be ready for data gathering as soon as it is safe

after the storm passes. The decision to mobilize the consultants will be made by the company in conjunction with the decision to mobilize foreign crews for restoration work.

Prior to data collection, the consultants will work with Tampa Electric to determine the geographical areas to be patrolled for data collection. This will be done using storm path and wind strength information, flood/surge information, initial damage assessment reports and other relevant data. Scheduling of the data collection effort will be done in conjunction with the company's restoration effort.

The consultant will be responsible for patrolling a representative sample of the damaged areas of the electrical system following a major storm event and perform the data collection process. At a minimum, the following types of information will be collected:

- Pole/Structure – type of damage, size and type of pole, age (birth mark), and likely cause of damage
- Conductor – type of damage, conductor or joint use size and type, and likely cause of damage

- Equipment – type of damage, overhead only, size and type, and likely cause of damage
- Hardware – type of damage, size and type, and likely cause of damage

To collect post-storm field data, a data collection model will be used by field personnel doing the damage assessments. This data collection model will exist electronically for use on computer tablets in the field. The electronic spreadsheet will be based on the available information from the initial data inventory and the additional information required from field collection. The input form of an electronic collection tool will include many drop-down selections based on all the possible alternatives found on Tampa Electric's system to facilitate easy data entry for field personnel and ensure consistent information for later analysis.

5) Forensics Data Sampling Methodology

Following a storm resulting in significant system damage, Tampa Electric will work with the consultant to perform the initial damage assessment of the storm damage area to determine the data sample to be collected. This initial assessment will provide information on the size of the area(s) impacted by the storm and the level of damage in the area(s).

From the damage assessment and initial data inventory, the consultant will make a correlation between size of damage area and the number of facilities exposed to storm force winds. This analysis will then lead to an estimated sample size to be collected and direct the areas in which samples should be collected. The consultant will use weather reports and wind data throughout the storm area to analyze the wind forces Tampa Electric facilities encountered during the storm.

6) Reporting Format Used to Report Forensics Results

Following a storm event and the subsequent forensic analysis, Tampa Electric's consultant will provide a full report containing the data collected and resulting

findings. The data collected will be provided in an electronic database, Excel or Access format, with accompanying analyses, charts and diagrams.

Reporting for this project will include a detailed written report of findings, analyses, conclusions and recommendations for improvement in system performance. The report format will typically include the following sections:

- Summary of Findings
- Available Data
- Analysis and Findings
- Integral Analysis and Interpretation
- Conclusions

7) Conclusion

In 2018, Tampa Electric was not impacted by any major hurricanes and did not initiate storm data collection to have forensic analysis performed. Tampa Electric has an established process in place to gather the necessary data for forensic analysis following a Category One or greater storm that significantly impacts the company's service area. This data will be used to determine the root cause of damage after a storm event.

For 2019, depending upon the number of storm events, the company will incur costs based upon the category of storm and level of activation upon the forensic analysis contractors.

G) Initiative 7: Outage Data – Overhead and Underground Systems

1) Overview

Tampa Electric was not impacted by any major storms in 2018. Should a major weather event occur in 2019, the company believes it has an established process in place for collecting post-storm data and performing forensic analyses. The company also has appropriate measures in place to manage outage performance data for both overhead and underground systems.

H) Initiative 8: Increase Coordination with Local Governments

The following is a summary of Tampa Electric's 2018 activities with local governments in support of ongoing programs, storm preparation and plans. This information is represented in the matrix provided in Appendix D.

1) Communication Efforts

Tampa Electric strives to maintain excellent communications with the local governments within the company's service territory. These communications are carried out by specifically assigned personnel from Tampa Electric's Community Relations and Emergency Management Departments to each of the local governments served. Tampa Electric representatives engage in ongoing discussions with local officials regarding critical issues such as storm restoration, underground conversions and vegetation management. In addition, Tampa Electric is committed to improving these relationships even further and will increase coordination in key areas.

In 2018, Tampa Electric's Emergency Management Department communication efforts continued to focus on local, state and federal governments and agencies for all emergency management missions. Tampa Electric was invited to participate in local, state and federal government exercises. Other communication topics in 2018 included updating governmental officials of the company's transmission line inspections, structural upgrades and providing information on undergrounding overhead distribution lines.

In 2018, community focused communications included pre-hurricane season news releases to all major media outlets that serve Tampa Electric customers. All releases were also posted on Tampa Electric's website. Hurricane guides were published in several major newspapers including the Tampa Bay Times, Lakeland Ledger and the Winter Haven News Chief. Lastly, a new storm restoration video was introduced and made available on the company's website.

2) Storm Workshop and Training with Local Government

In 2018, Tampa Electric participated with government officials and agencies in storm planning meetings, training and/or joint storm exercises with the FDEM, the FPSC, the FDOT, Hillsborough County, Pasco County, Pinellas County, Polk County, as well as the Cities of Oldsmar, Plant City, Tampa, and Temple Terrace.

3) Emergency Operations Centers – Key Personnel Contact

In 2018, two named tropical weather events triggered various county and municipal agencies to activate their EOC at either full or partial activation levels to support emergency response activities. Tampa Electric was not activated by any EOC to support emergency response activities for either weather events, yet the company remained readily available to assist as needed. During Subtropical Storm Alberto, some EOCs activated their Emergency Management staff and other personnel to support local activities, including sandbag operations and shelter management. In addition, the State of Florida activated its EOC at full level for Subtropical Storm Alberto and Hurricane Michael, and Tampa Electric personnel supported outage reporting and EOC requests from Tallahassee and Tampa.

The table below shows the activation levels for the tropical weather events by county or municipal EOC which covers Tampa Electric's service area:

EOC	Subtropical Storm Alberto
City of Oldsmar	None
City of Plant City	None
City of Tampa	Partial
City of Temple Terrace	None
Hillsborough County	Partial
Pasco County	Partial
Pinellas County	None
Polk County	None

EOC	Hurricane Michael
City of Oldsmar	None
City of Plant City	None
City of Tampa	None
City of Temple Terrace	None
Hillsborough County	Partial
Pasco County	Partial
Pinellas County	Partial
Polk County	None

Tampa Electric continues to work with local, state and federal governments to streamline the flow of information and incorporate lessons learned to restore electric service as quickly and as safely as possible. Prior to June 1st of each year, the company's Emergency Response Plan is reviewed and updated to ensure Tampa Electric representatives are fully trained to support EOC activation.

4) Staffing Practices at Local Emergency Operations Centers

Tampa Electric provides representatives to each of the four (4) County EOCs within the company's service territory, including Hillsborough, Pasco, Pinellas and Polk counties. In addition, depending upon the magnitude of the event, representatives are provided to the four (4) municipalities (Cities of Oldsmar, Plant City, Temple Terrace, and Tampa), when requested. The number of liaisons provided is dependent upon various factors (e.g., seating capacity at the EOC, amount of damage, EOC operating hours, available personnel, etc.). Lastly, representatives are also provided to support the State of Florida EOC to support the State and the Florida Public Service Commission ("FPSC") for power restoration issues.

The representatives who staff the EOCs have business acumen and experience in customer service and/or electric or gas distribution. Since the EOC representative role is not a day-to-day job function, the company strives to maintain a balance of seasoned and less experienced representatives during both day and night operations in the EOC when possible. In some EOCs, the company utilizes representatives from the gas company (Peoples Gas System) to supplement Tampa Electric personnel, especially in areas where the company has a natural gas presence. In any case, EOC representatives are trained to deal with both electric and gas issues.

Staffing hours at the EOC are dictated by each EOC's operational periods and are dependent upon the magnitude of the event. EOCs have and may require company representatives to report for duty before the onset of tropical storm force winds and ride-out the storm at the EOC with other Emergency Support Function ("ESF") personnel. Initially, EOCs may, at their discretion, operate 24 hours/day until the event is stabilized. To support the 24-hour cycle, company staffing hours at EOCs are generally based on two (2) 12-hour shifts based on the EOCs operational cycle and vary by County; however, the hours of operation may be adjusted based on EOC needs to support emergency response.

The table below further shows the number of company representatives available to support EOC activation. The table does not represent the number of representatives on-site at the same time.

Utility staffing practices at local EOCs		
EOC in Service Territory	**Number of Utility staff**	**Planned daily hours scheduled for working in the EOC**
Hillsborough County	6-8	Dependent on EOC operational period
City of Plant City	2	Dependent on EOC operational period
City of Oldsmar	2	Dependent on EOC operational period
City of Tampa	4	Dependent on EOC operational period
Pasco County	4	Dependent on EOC operational period
Pinellas County	3	Dependent on EOC operational period
Polk County	3	Dependent on EOC operational period

Responsibilities: The role of the company's EOC representative is to facilitate and respond to critical community issues in support of life safety and power restoration efforts. The representatives are responsible for maintaining situational awareness and communicating any public safety issues or concerns to the company. In addition, the representatives work closely with other ESF liaisons to facilitate or coordinate any requests made by the company or in support of community citizens. The representatives will utilize all available "lifelines" to respond to requests which originate from the EOC or company personnel. Lastly, the EOC representative communicates outage updates and provides restoration status, as requested.

Communications: Because the company has representatives dedicated to each of the county and city EOCs within its service territory, there are limited opportunities for an EOC to not be staffed. In the remote situation where an EOC representative is unavailable, the local EOCs have contact information for their assigned EOC representatives, as well as the company's Emergency Management personnel, which can be called upon for assistance. In addition, the

company's Community Relations Department personnel have established relationships throughout the communities served and are also available to provide support, as needed.

5) Search and Rescue Teams – Assistance to Local Government

In 2018, Tampa Electric did not receive any requests to deploy search and rescue teams in support of local governments.

6) Tree Ordinances, Planting Guides and Trip Procedures

In previous years, Tampa Electric Line Clearance personnel communicated with municipal officials on several projects. Some of these projects include providing guidance to planning boards on changes to their landscaping ordinance, and covered issues including ROW landscaping issues, as well as assisting in the production of public information shows for radio and television.

In 2018, several discussions between Tampa Electric and the City of Tampa took place in revising existing tree ordinances.

For 2019, the company's Manager of Line Clearance will continue to work with Tampa Electric's Community Relations staff to offer meetings with local government's staff on how Tampa Electric can best work with city staff in pre-storm and post-storm events and to better coordinate the company's tree trimming procedures with governmental ordinances.

7) Utility's Coordination of Critical Facilities with local governments

Tampa Electric works closely with County Emergency Management ("EM") officials and other stakeholders throughout the year to identify and prioritize facilities deemed most critical to the overall health of the whole community (e.g., public health, safety, security or national/global economy). Tampa Electric has discussions with EM officials through face-to-face meetings/contacts, in a working group setting, or through email or phone communications. The identification of

public and private critical facilities during preparedness planning supports the goal of a coordinated and flexible restoration process for all critical infrastructure and is directly related to business continuity and continuity of the government. Critical facilities for municipalities are identified and incorporated into the respective County data.

The table below provides the dates that Tampa Electric met with local governments during 2018 that involved discussions with critical facilities:

Meetings with Local Government					
Entity	**Date(s)**	**Topics**	**Pending Issues/Follow-up Items**	**Contact information provided to local authorities**	
				Y	**N**
Hillsborough County	4/13/2018 5/01/2018 6/04/2018	Critical Facility Discussion	• Reprioritization of Port Tampa Bay fuel facilities • Priority differentiation between home-based Assisted Living Facilities (ALF) and larger bed ALFs • Public shelter list still under development	X	
Pasco County	1/31/2018 5/18/2018	Critical Facility Discussion	• Need updates for water/wastewater facilities	X	
Pinellas County	5/10/2018 8/8/2018 9/25/2018	Critical Facility Discussion		X	
Polk County	3/26/2018	Critical Facility Discussion	• Need updates for water/wastewater facilities	X	

8) Underground Conversions

Over the past six years, the Dana Shores Civic Association and Tampa Electric have been working with Hillsborough County to create and execute a Municipal Service Benefit Units (“MSBU”) ordinance and initiate the first project under this

new mechanism. The MSBU provide an opportunity for neighborhoods to set up self-elected taxing districts that would fund capital upgrade through annual Ad Valorem taxes. Tampa Electric employees have attended several meetings with officers of the association, county officials, as well as regular association meetings to provide assistance. These meetings have also created interest in other neighborhoods, as well as the City of Tampa, for the possibility of converting portions of the system to underground. Tampa Electric is evaluating these conversions especially those that are more susceptible to failure during storms to determine how they should be incorporated as part of the company's storm plan. Estimates for the Dana Shores project have been presented jointly by the association's officers and Tampa Electric employees to the County Planning Commission Staff, and in 2018 a final, binding bid was submitted by Tampa Electric to Dana Shores and Hillsborough County. Efforts are still underway with Hillsborough County to create the Dana Shores taxing district and to acquire a bond to fund his project. Although the initial MSBU ordinance was created and passed by the County Commission in 2015, Dana Shores Civic Association leadership has continued to work on getting the necessary neighborhood consensus documentation to be the County's first MSBU project. The construction for this underground conversion is projected to start in the summer of 2019.

9) Conclusion

For 2019, Tampa Electric will continue to focus its government communication efforts in providing governmental officials with the company's emergency response contacts, to review the company's Emergency Response Plan, incorporate lessons learned and to validate restoration priority for critical facilities. In addition, Tampa Electric will continue communicating storm preparedness information to customers through its annual media pre-hurricane season press release. Tampa Electric will also continue to train the company's EOC representatives and designated search and rescue personnel.

I) Initiative 9: Collaborative Research

1) PURC Collaborative Research Report

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.

J) Initiative 10: Disaster Preparedness and Recovery Plan

1) 2018 Emergency Management Summary

In 2018, Tampa Electric worked with the local governments within the company's service areas to further enhance dialogue and seek opportunities to partner in training. As in the past, the company provided local communities with public service information at the beginning of storm season via local news media. During the State of Florida's mock hurricane exercise, Tampa Electric's Emergency Response Team tested its response and communication plans.

Prior to June 1, 2018, all emergency support functions were reviewed, personnel trained, and the Incident Command System ("ICS") Logistics and Planning Section plans were tested.

2) 2019 Emergency Management Activities & Budget

For 2019, the company's Emergency Response Plan will be reviewed prior to hurricane season to ensure it is up to date and ready for the 2019 storm season. Tampa Electric's Emergency Management budget for 2019 is $571,666, which will be used to cover labor costs, preparedness resources such as emergency notification system, weather services, resilience management products, internal

and external training, exercises to test plans and the following initiatives to enhance capabilities:

- Tampa Electric Emergency Preparedness Fair with representation from government agencies, and support additional external county fairs
- Annual cyber security exercise
- Retain and train additional Tampa Electric Certified Business Emergency Response Team ("BERT") members
- Continue to participate in the NFPA 1600 EM-BC Standard Committee
- Participate in local, state and federal emergency management and
- business continuity forums
- Participate in the SEE Mutual Assistance Committee
- Participate in the SEE Logistics Subcommittee
- Participate in the EEI Mutual Assistance Committee
- Support of Hillsborough County in communicating the national flood insurance to county residents
- Support the ESCC strategy
- Support Hillsborough County and the COT PDRP planning, State of Florida Division of Emergency Management and Department of Homeland Security ("DHS")
- Participate in the Critical Facilities Working Group to support the review of restoration priorities for critical facilities
- Participate with the COT in their "Push Team" (debris clearing) exercise
- Support community preparedness through participation in various government committees (e.g., Maritime Security, Florida Department of Law Enforcement, Regional Domestic Security Task Force), and activate as necessary during major community events
- Support the local county LMS Working Groups
- Participate in public/private storm related exercises
- Attend annual FEPA Conference

- Conduct all-hazards internal preparedness exercises and training sessions using the company ICS model to test plans

3) 2018 Energy Delivery Emergency Management

In 2018, Tampa Electric's Energy Delivery Department was involved in many activities throughout the entire storm season.

As a result of the lessons learned from 2017's Hurricane Irma, in 2018, the department conducted a number of focused exercises. Exercises conducted included Damage Assessment, Foreign Crew Coordination Unit, ETR, Fleet, Incident Base, Meals Coordination, Emergency Notification, Wire Down/Wire Sitters, Substation and Transmission. Also, several new processes were trained on and exercised including: Automated Roster Call Out System ("ARCOS") which is an electronic crew tracking and allocating program and Customer Escalation.

Tampa Electric's Emergency Management Department continued to serve as lead representative for the company in the development of a state wide Mutual Assistance agreement. Efforts continue to develop an insurance product that will allow more municipals and cooperatives to sign Mutual Assistance agreements.

Tampa Electric annually reviews sites for incident bases, base camps and staging sites which ensure primary and backup locations for distribution, transmission and materials. Additionally, logistical needs and equipment requirements are reviewed for each incident base site. Throughout Tampa Electric's service territory, the company is constantly developing and maintaining relationships with property owners for potential incident bases, base camps and staging sites. Energy Delivery also annually reviews existing purchase orders and contacted vendors who would assist the company with restoration efforts. Corporate Emergency Management annually reviews purchase orders and vendor contact information on those who would provide logistics' support (i.e., meals, transportation, laundry services, etc.) to Energy Delivery during restoration. All these activities were

performed in 2018. Also, in 2018, a pre-storm environmental review of all activated incident bases was conducted to identify any potential environmental concerns and recommend actions taken to address them. The recommendations made included strategic on-site placement and inspections of solid waste dumpsters, frequent walkdowns of equipment staging areas, placement of secondary containments and overfill protection at re-fueling stations, and management of regulated wastes (bulbs, batteries and oily waste) in accordance with state, federal and local regulations.

Prior to hurricane season, Energy Delivery management reviewed all employees' storm assignments and communicated roles and expectations. Meetings and training were held as needed throughout the year.

4) Mutual Assistance

In 2018, Energy Delivery participated in numerous conference calls with other SEE utilities regarding tropical storms and ice events. The company's participation in these calls was to offer mutual assistance to assist in restoration activities.

Working with EEI, in January 2018, Tampa Electric deployed a total of 31 team members to Puerto Rico to assist with the restoration work for outages caused by Hurricane Maria.

In March 2018, Tampa Electric deployed 21 team members to First Energy's Jersey Central Power & Light to assist with damage assessment and sent 131 native contractors to Dominion to assist in the restoration process from outages caused by winter storms Riley & Quinn.

In March 2018, Tampa Electric deployed 21 team members to assist Emera Maine with restoration work for outages caused by winter storm Skylar.

In March 2018, Tampa Electric sent 132 native contractors to Exelon Baltimore Gas and Electric to assist with restoration work for outages caused by winter storm Toby.

In September 2018, Tampa Electric deployed 63 team members and 140 native contractors to assist Duke Energy Carolinas with restoration work for outages caused by Hurricane Florence.

In October 2018, Tampa Electric deployed 68 team members and 142 native contractors to assist Gulf Power with restoration work for outages caused by Hurricane Michael. Tampa Electric also deployed an additional 10 team members to first assist the City of Tallahassee and then Florida Public Utilities Company with restoration work for outages caused by Hurricane Michael.

5) Mutual Assistance Lessons Learned

In 2018, Tampa Electric provided mutual assistance for restoration efforts as a result of other utilities being impacted by storm events. As a result of providing this assistance, Tampa Electric learned many lessons that will help improve the company's existing Emergency Management plan and reinforce several existing provisions already contained within the plan. Most of the lessons learned resulted from Hurricane Michael. Some of the common lessons learned themes from Mutual Assistance activities in 2018 include:

- The value of having cell service from more than one service provider
- The need to not solely rely on satellite phone service as a backup plan
- The value of having UG facility locates to avoid damaging other utilities (gas and communications)
- The need to have flaggers to ensure proper traffic control and safety of crew members

6) 2019 Energy Delivery Emergency Management

For 2019, Tampa Electric's Energy Delivery Department is currently planning the next mock storm exercise. Tentative plans are to conduct a department wide exercise to practice all existing processes and to insure the new processes introduced in the last year are fully integrated and functional. Follow-up items and lessons learned will be recorded.

Prior to hurricane season, Tampa Electric's Energy Delivery management will review all employees' storm assignments and communicate roles and expectations. Meetings, training and exercises will be scheduled at various locations. Additionally, employee preparedness will be emphasized prior to storm season via training materials and presentations.

7) Contingency Planning and Response

Roadway Congestion: In the event of roadway congestion that is impacting travel by foreign crews into Tampa Electric's service area, the company will seek to resolve the situation by obtaining information through various sources to find an alternative route. In the event that traffic congestion is so pervasive that there are no available alternative routes, Tampa Electric will work through company representatives at local Emergency Operations Centers ("EOC") or the State of Florida EOC depending on the location, nature and severity of the congestion. The company's representatives will communicate the situation to the law enforcement or appropriate Emergency Support Function ("ESF") personnel to obtain assistance.

Fuel: Tampa Electric has agreements in place with two bulk fuel vendors to supply diesel and gasoline fuel on a daily/ as needed basis in response to a storm event. The company also has an agreement with one mobile fuel vendor.

Prior to the storm: Upon notification the bulk fuel vendor(s) will top off Tampa Electric's on-site fuel storage tanks which consists of 50,000 gallons of diesel and 50,000 gallons of gasoline.

During the storm: The bulk fuel vendor(s) will top off the on-site fuel storage tanks as described above daily or as needed. These vendors typically obtain their fuel supply from Port Tampa Bay. In the event that the Port Tampa Bay is unable to supply fuel, the vendors will obtain their fuel supply from a main fuel supply facility in Georgia.

The mobile fuel vendor will provide 500-gallon bulk fuel tanks to each incident base Tampa Electric establishes to support restoration efforts. The mobile fuel vendor will also fuel all Tampa Electric, Tampa Electric's native crews and any foreign crew resource vehicles that are being used to assist the company in restoration of the system during a storm event on a daily basis after hours at each incident base.

Lodging Accommodations: Lodging accommodations are acquired, when the leadership of Tampa Electric's Electric Delivery department deems it is necessary to bring "foreign crew" resources into Tampa Electric's service area to support power restoration. The amount of lodging accommodations is based on the forecasted severity of the storm, strength, storm surge and the path of the storm. Tampa Electric's Electric Delivery department will estimate the damage to the area, and the number of power outages that will affect the company's customers, to determine the number of resources needed to help with power restoration. Once the decision to request outside resources is made, Tampa Electric's Logistics Chief will activate those company employees that make up the lodging unit to start acquiring hotel rooms and/or alternative housing.

TECO Services' Real Estate Department and Logistics section keeps a list of hotels of which there are verbal agreements to utilize hotel rooms in their

establishment if they are available. It is customary to double-bunk (two people) to a room. The rooms are secured pre-storm for post-storm occupancy.

Communications: Tampa Electric is currently exploring alternative communications means in the event public communications systems such as cellular, satellite and hard lines are rendered unavailable due to an event. Currently, GETS and WPS are being utilized however, these require the availability of land lines and cellular service. In addition to carrier-based solutions, a third-party portable cellular long-range product was purchased and will be utilized to improve communications.

K) Storm Hardening Plan Update

Tampa Electric's 2016-2018 Storm Hardening Plan was approved by the Commission in Docket No. 160105-EI, Order No. PSC-16-0569-PAA-EI, issued December 19, 2016 and finalized by Consummating Order No. PSC-17-0023-CO-EI issued January 12, 2017. The plan is largely a continuation of previously approved plans with an overall focus aimed at improving the company's energy delivery system to withstand severe weather events. Activities discussed below have been either completed in prior plans or are ongoing efforts in the current plan, all of which are designed to harden the company's system.

1) Undergrounding Distribution Interstate Crossings

The continued focus of this activity is to harden limited access highway crossings to prevent the hindrance of first responders, emergency vehicles and others due to fallen distribution lines blocking traffic. The restoration of downed overhead power lines over interstate highways can be lengthy due to heavy traffic congestion following a major storm. Tampa Electric's current preferred construction standard requires all distribution line interstate crossings to be underground. Therefore, the company initially converted several overhead distribution line crossings to underground on major interstate highways. Through 2018, a total of 16 distribution crossings have been converted. Any remaining distribution interstate highway

crossings will be converted to underground as construction and maintenance activities present opportunities.

2) Testing Network Protectors

The Tampa downtown network is a small area of dense loads made up of mostly high-rise office buildings. This area is considered critical infrastructure because of the high concentration of business and governmental buildings in this area. The types of businesses include telecommunications switching center, banking, city and county governmental offices, federal and county courthouses as well as approximately 2,500 hotel rooms and 6.5 million square feet of office space. The Marion Street substation serves the downtown network with six underground distribution circuits. The downtown network consists of 361 manholes and 56 network vaults. Most network vaults contain two network transformers and two network protectors. In 2018, a total of 34 network protectors were tested and 2 units were replaced. Tampa Electric will continue to remotely monitor the network protectors daily, address any issues that arise and visually inspect each unit at least once bi-annually. Further analysis will be conducted on the network protectors to determine the benefit of these hardening efforts in the unfortunate event that a hurricane impacts the downtown network.

3) Extreme Wind Pilot Projects

As part of Tampa Electric's previous storm hardening plans, the company hardened to extreme wind criteria the following portions of the company's service area:

- Distribution systems for two critical facilities, namely, the Port Tampa Bay and Saint Joseph's Hospital.
- Distribution circuits for two feeders to the City of Tampa Tippins Water Treatment Plant.

4) Storm Hardening Project Analysis and Alternatives

Tampa Electric has not experienced a storm event that would have significantly impacted the company's electrical system and provided the data required for a meaningful storm hardening project analysis and alternatives evaluation. In general, the pole hardening project appears to be an effective project to reduce failures due to storm events. During Hurricane Irma, Tampa Electric had approximately 160 non-hardened poles that failed as opposed to 22 hardened poles. Tampa Electric going forward has implemented a plan to more accurately collect storm damage data. This data will provide an opportunity to more effectively analyze electrical system damage during significant storm events.

5) Underground Equipment Construction Standard

Tampa Electric's standard specifies the use of stainless-steel transformers and switchgear. Tampa Electric will continually evaluate and implement reliable and cost-effective options that improve the performance of all underground installations exposed to harsh conditions.

In 2018, Tampa Electric continued the implementation standard for replacing live-front switchgear. The new specification standard converts live-front switchgear with dead-front switchgear when replacement is necessary. The use of dead-front switchgear is also being deployed in all new installations. The dead-front switchgear provides greater protection from service interruptions due to animals and harsh environments.

6) Performance Data for Hardened vs. Non-Hardened and Underground Facilities

The tables below summarize the company's hardened facilities that required repair or replacement as a result of Hurricanes Matthew, Hermine and Irma.

Hardened Facilities		
Hurricane	**Number of Facilities Requiring**	
Matthew	**Repair**	**Replacement**
Transmission		
Structures	0	0
Substations	0	0
Total	0	0
Distribution		
Poles	0	0
Substation	0	0
Feeder OH	0	0
Feeder UG	0	0
Feeder Combined	0	0
Lateral OH	0	0
Lateral UG	0	0
Lateral Combined	0	0
Total	0	0
Service		
Service OH	0	0
Service UG	0	0
Service Combined	0	0
Total	0	0

Hardened Facilities		
Hurricane	**Number of Facilities Requiring**	
Hermine	**Repair**	**Replacement**
Transmission		
Structures	0	0
Substations	0	0
Total	0	0
Distribution		
Poles	0	0
Substation	0	0
Feeder OH	0	0
Feeder UG	0	0
Feeder Combined	0	0
Lateral OH	0	0
Lateral UG	0	0
Lateral Combined	0	0
Total	0	0
Service		
Service OH	0	0
Service UG	0	0
Service Combined	0	0
Total	0	0

Hardened Facilities		
Hurricane	**Number of Facilities Requiring**	
Irma	**Repair**	**Replacement**
Transmission		
Structures	2	0
Substations	0	0
Total	2	0
Distribution		
Poles	Note 1	20
Substation	Note 1	Note 1
Feeder OH	Note 1	Note 1
Feeder UG	Note 1	Note 1
Feeder Combined	Note 1	Note 1
Lateral OH	Note 1	Note 1
Lateral UG	Note 1	Note 1
Lateral Combined	Note 1	Note 1
Total	Note 1	20
Service		
Service OH	Note 1	Note 1
Service UG	Note 1	Note 1
Service Combined	Note 1	Note 1
Total	Note 1	Note 1

Note 1: Tampa Electric did not track repair and replacement activities during Hurricane Irma in a way that would enable the Company to readily determine whether work was performed on hardened or non-hardened facilities. The Company's main focus following such a major storm event is restoring electric service to customers in a safe and expeditious manner, and the data collection and record keeping required to provide the level of detail for the information being sought would slow down the Company's efforts to restore service. Moreover, the data collection and record keeping requirements would be compounded by the magnitude of outages resulting from the storm and the size of the of foreign resources necessary to achieve a safe and expeditious restoration.

Non-Hardened Facilities		
Hurricane	**Number of Facilities Requiring**	
Matthew	**Repair**	**Replacement**
Transmission		
Structures	0	0
Substations	0	0
Total	0	0
Distribution		
Poles	0	0
Substation	0	0
Feeder OH	0	0
Feeder UG	0	0
Feeder Combined	0	0
Lateral OH	2	4
Lateral UG	0	1
Lateral Combined	0	0
Total	2	5
Service		
Service OH	2	8
Service UG	0	1
Service Combined	0	0
Total	2	9

Non-Hardened Facilities		
Hurricane	**Number of Facilities Requiring**	
Hermine	**Repair**	**Replacement**
Transmission		
Structures	0	0
Substations	0	0
Total	0	0
Distribution		
Poles	0	22
Substation	0	0
Feeder OH	5	1
Feeder UG	1	1
Feeder Combined	0	0
Lateral OH	67	9
Lateral UG	0	0
Lateral Combined	0	0
Total	73	33
Service		
Service OH	59	35
Service UG	5	0
Service Combined	0	0
Total	64	35

Note 1: Tampa Electric did not track its repair and replacement activities during Hurricane Irma in a way that would enable the Company to readily determine whether work was performed on hardened or non-hardened facilities. The Company's main focus following such a major storm event is restoring electric service to customers in a safe and expeditious manner, and the data collection and record keeping required to provide the level of detail for the information being sought would slow down the Company's efforts to restore service. Moreover, the data collection and record keeping requirements would be compounded by magnitude of outages resulting from the storm and the size of the of foreign resources necessary to achieve a safe and expeditious restoration.

Non-Hardened Facilities		
Hurricane	**Number of Facilities Requiring**	
Irma	**Repair**	**Replacement**
Transmission		
Structures	5	10
Substations	0	0
Total	**5**	**10**
Distribution		
Poles	0	145
Substation	0	0
Feeder OH	Note 1	38,760 ft
Feeder UG	Note 1	346 ft
Feeder Combined	Note 1	
Lateral OH	Note 1	92,399 ft
Lateral UG	Note 1	0
Lateral Combined	Note 1	0
Total	**Note 1**	**145 / 131,650 ft**
Service		
Service OH	Note 1	45,855 ft
Service UG	Note 1	349 ft
Service Combined	Note 1	
Total	**Note 1**	**46,204 ft**

Note 1: Tampa Electric has not performed an analysis on the outage frequency for overhead versus underground power lines. The storms that have impacted the company since 2006 have been mainly wind events. Wind events primarily impact the overhead system, as Tampa Electric experienced very minimal impacts to the company's underground electrical systems. If a major storm would approach the company's service territory through Tampa Bay, the resultant storm surge and coastal flooding would test the durability and reliability of the underground system.

7) Coordination with Third Party Attachers

Tampa Electric continually conducts in-house and site meetings in advance with third party attachers to discuss hardening projects as well as coordination between companies. Communication has been the key to success in resolving any potential conflicts that have been brought to Tampa Electric's attention. Coordination with third party attachers will continue to play a vital role in achieving continued positive and productive results.

SECTION II - Storm Season Ready Status

A) Storm Season Ready Status: 2018 Accomplishments

1) Transmission

In 2018, Tampa Electric completed ground patrols on the transmission system including all 230 kV, 138 kV circuits and 69 kV circuits. The ground patrols identified access, encroachment and vegetation management issues and facilitated a visual review of the system.

The company continued to execute its eight-year transmission structure inspection program with priority given to critical facilities and coastal facilities with progression to inspection of older inland circuits. As inspections were completed, the inspections moved to interconnection circuits, circuits serving co-generators and other inland circuits. The transmission structure inspections took into consideration the condition of each pole and span of wire, including issues with structural hardware such as nuts that have backed off their bolts, corroded equipment, deteriorated appurtenance arms, unbraided conductors and woodpecker holes. This inspection work is completed when the system is under load.

In 2018, Tampa Electric also hardened 164 structures that included 155 pole replacements utilizing steel or concrete poles and 9 sets of insulators replaced with polymer insulators.

2) Vegetation Management

In 2018, Tampa Electric continued to maximize the effectiveness of the company's VMP efforts relative to storm season. All bulk transmission lines were patrolled twice for vegetation management. Any vegetative conditions identified from those patrols were either resolved immediately or scheduled for full circuit maintenance.

These efforts, along with the company's ongoing, aggressive trimming of the distribution system in 2018, have better prepared Tampa Electric for future storm seasons.

3) Updated and Reviewed Circuit Priority

In 2018, Tampa Electric continued to work with county and municipal agencies in reviewing and updating the restoration priorities following established procedures. In addition, enhancements were made to Tampa Electric's GIS to capture critical facility identification and restoration priority information.

4) Capacitor Maintenance Program

In support of maintaining balanced voltage to both the transmission and distribution systems and in maintaining the interconnection power factor with Tampa Electric's neighboring utilities, the company continued its capacitor maintenance program in 2018. The company remotely monitors capacitor banks and when apparent problems were identified, a Tampa Electric field crew was dispatched to resolve any operational problems. In 2018, the company conducted field visits to 289 capacitor banks and made repairs as needed.

5) Increased Equipment Inventory

Tampa Electric's process for equipment inventory requires a review prior to hurricane season of each year. The company reviews the current level of inventory in stock and then increases the inventory prior to the hurricane season. The stock increase secures a full four-day supply of overhead distribution supplies, parts and materials such as splices, fuses, connectors, service clamps, brackets, wire, poles, transformers, etc. This increase in stock ensures that Tampa Electric has enough inventory on hand to handle the immediate need for replacement supplies, parts and materials if a major restoration weather event occurs. The company has procurement contracts in place that will provide additional supplies, parts and materials that will be delivered within four days of landfall. These replacement supplies, parts and materials will replenish required stock for the duration of the

restoration event. Following hurricane season, the level of inventory is managed to return to non-hurricane season levels.

6) **Communication and Coordination with Key EOC and Governmental Organizations**

In 2018, Tampa Electric continued its communication efforts focusing on maintaining vital governmental contacts and participation on standing disaster recovery planning committees, which will the company will continue to meet. Tampa Electric also participated in storm planning meetings, training and/or joint storm exercises with the FDEM, the FPSC, the FDOT, Hillsborough County, Pasco County, Pinellas County, Polk County, as well as the Cities of Oldsmar, Plant City, Tampa and Temple Terrace.

Tampa Electric also participates in the Florida Mutual Assistance process in which the company has made numerous contacts with municipalities, as well as municipal and cooperative associations in the state. These contacts were successfully used to respond to needs during the restoration process for 2018's Hurricane Michael.

7) **Secured and Expanded Incident Bases**

Tampa Electric annually reviews the company's current sites for incident bases, base camps and staging sites which ensure primary and backup locations for distribution, transmission and materials. Additionally, logistical needs and equipment requirements are reviewed for each incident base and base camp sites. Throughout Tampa Electric's service territory, the company is constantly developing and maintaining relationships with property owners for potential incident bases, base camps and staging sites. Tampa Electric's Energy Delivery Department also annually reviews existing purchase orders and contacts vendors who would support and assist the company with restoration efforts. Corporate Emergency Management annually reviews purchase orders and vendor contact information on those who would provide logistics' support (i.e., meals,

transportation, laundry services, etc.) to Energy Delivery during restoration. All these activities were performed in 2018.

Based on Tampa Electric's experiences in 2017 with Hurricane Irma, all site reviews will continue to focus on the ability to accommodate large numbers of Foreign Crews.

8) Hurricane Preparedness Exercises

As a result of the lessons learned from 2017's Hurricane Irma, in 2018, the Electric Delivery Emergency Management department conducted a number of focused exercises. Exercises conducted included Damage Assessment, Foreign Crew Coordination Unit, ETR, Fleet, Incident Base, Meals Coordination, Emergency Notification, Wire Down/Wire Sitters, Substation and Transmission. Also, several new processes were trained on and exercised including: ARCOS and Customer Escalation.

9) Post-Storm Data Collection and Forensic Analysis Activities

In 2018, Tampa Electric was not impacted by any major hurricanes and did not initiate storm data collection to have forensic analysis performed. Tampa Electric continued its relationship with its outside consultants for performing post-storm forensic analysis of the company's distribution and transmission systems. This analysis will be completed to gather a statistically significant representative sample of damage and using this sample to determine root causes of failure during major storms.

10) Wooden Pole Replacements

In 2018, Tampa Electric replaced 2,536 wood poles.

11) Storm Hardening

See Section K for update to this section.

B) Storm Season Ready Status: 2019 Planned Activities

1) Program Summary

Tampa Electric's 2019 Storm Season Readiness preparation focuses on a number of areas including additional distribution circuit protection equipment installations, pre-storm transmission inspections and maintenance, wood pole inspections and replacements, vegetation management, capacitor maintenance, local government interaction, increased equipment inventory, circuit priority reviews, hurricane preparation exercises, and industry research for best practices and procedures for storm restoration.

2) Transmission Inspections and Maintenance

Prior to hurricane season, all 230 kV, 138 kV and all priority 69 kV circuits will be patrolled with the remaining transmission circuits being completed by the end of 2019.

Tampa Electric plans to change out approximately 120 wood transmission poles throughout the year with steel or concrete structures. Also, Tampa Electric intends to replace existing insulators with polymer insulators as needed, with much of this work being completed prior to the peak of hurricane season.

3) Pole Inspections

In 2018, Tampa Electric continued the ground line inspections by completing 40,003 inspections to ensure the company remains on pace for completing the eight-year inspection cycle.

For 2019, future inspections coupled with the company's pole replacement program will enhance the storm resiliency of Tampa Electric's transmission and distribution system.

4) Capacitor Maintenance Program

For 2019, the company will continue monitoring and maintaining capacitor banks. In preparation for summer peak loads and in anticipation of the significant impact of summer storms on workforce availability and capacitor failure rates, Tampa Electric will make aggressive efforts to make capacitor bank repairs during the spring of 2019. Repairs during the summer are generally limited to an as needed basis. Regularly scheduled repairs will continue in the fall as the need and weather permits. For 2019, the company estimates that approximately 850 capacitor banks will be field visited, tested and repaired if needed.

5) Communication with Local Governments

In 2018, Tampa Electric continued its communication efforts focusing on maintaining vital governmental contacts and participation on standing disaster recovery planning committees. These committees are standing committees and will continue to meet. Tampa Electric also participated in joint storm exercises with the FDEM, the FPSC, the COT, as well as Hillsborough, Pasco, Pinellas and Polk Counties.

6) Increase Equipment Inventory

As was the case in 2018, the company will review and increase storm stock in 2019 to ensure a four-day supply of overhead distribution materials such as splices, fuses, connectors, service clamps, brackets, wire, poles, transformers, etc., as well as transmission and substation materials. The company will also ensure that procurement contracts are in place to support additional supplies being delivered within four days of landfall and it will replenish required stock for the duration of a major restoration event.

7) Circuit Priority Review

For 2019, Tampa Electric will continue working with county and municipal agencies in reviewing and updating the restoration priorities for the areas served by the company.

8) Hurricane Preparedness Exercise

For 2019, Tampa Electric's Energy Delivery Department is currently planning the next mock storm exercise. Tentative plans are to conduct a department wide exercise to practice all existing processes and to ensure the new processes introduced in the last year are fully integrated and functional. Follow-up items and lessons learned will be recorded.

Prior to hurricane season, Tampa Electric's Energy Delivery management will review all employees' storm assignments and communicate roles and expectations. Meetings, training and exercises will be scheduled at various locations. Additionally, employee preparedness will be emphasized prior to storm season via training materials and presentations.

In addition, hurricane preparedness exercises will be conducted by corporate Emergency Management for other key functions, including Leadership, Logistics, Planning, and EOC representatives.

9) Storm Hardening Plan

All projects in Section K of this report have been either completed or are a continuation of previous activities. Should a severe weather event strike Tampa Electric's service area, the company will evaluate the performance of the pilot projects to determine next steps to be taken. Tampa Electric will continue hardening its energy delivery system in accordance with the company's currently approved storm hardening plan. That plan continues to define the criteria, construction standards, maintenance practices, system inspection programs and other policies and procedures utilized for transmission, distribution, and substation facilities in Tampa Electric's service territory. Tampa Electric's 2016-2018 Storm Hardening Plan was filed on May 2, 2016 and approved by the Commission by Consummating Order PSC-17-0023-CO-EI on January 12, 2017.

SECTION III – Wood Pole Inspection Program

A) Wood Pole Inspection Program

1) Program Summary

Tampa Electric's Wood Pole Ground Line Inspection Program is part of a comprehensive program initiated by the FPSC for Florida investor-owned electric utilities to harden the electric system against severe weather and unauthorized and unnoticed non-electric pole attachments which affect pole loading.

This inspection program complies with Order No. PSC-06-0144-PAA-EI, issued February 27, 2006 in Docket No. 060078-EI which requires each investor-owned electric utility to implement an inspection program of its wooden transmission, distribution and lighting poles on an eight-year cycle based on the requirements of the NESC. This program provides a systematic identification of poles that require repair or replacement to meet NESC strength requirements.

2) Inspection Cycle

Tampa Electric performs inspections of all wood poles on an eight-year cycle. Tampa Electric has approximately 285,000 distribution and lighting wood poles and 26,000 transmission poles appropriate for inspection for a total pole inspection population of approximately 311,000. Approximately 12.5 percent of the known system will be targeted for inspections annually although the actual number of poles may vary from year to year due to recently constructed circuits, de-energized circuits, reconfigured circuits, etc.

3) Inspection Method and Procedure

Tampa Electric will utilize three basic inspection procedures for determining the condition of wooden poles. These procedures include a visual inspection, sound and bore, and excavation when required.

4) Inspection in Conjunction with Other Field Work

As part of day-to-day operations, operation personnel are at times required to climb poles to perform different types of field work. Prior to climbing any pole, personnel will assess the condition of the pole. This will include a visual check and may include sounding to determine pole integrity. This type of inspection will supplement the systematic inspection approach otherwise outlined in this pole inspection program.

a) Visual Inspection

An initial visual inspection shall be made on all poles from the ground line to the pole top to determine the condition of the pole before any additional inspection work is completed. The visual inspection shall include a review of the pole condition itself and any attachments to the pole for conditions that jeopardize reliability and are in need of replacement, repair or minor follow-up. After a pole passes the initial visual inspection, the balance of the required inspection methods will be performed.

b) Sound and Bore

After passing the visual inspection, the pole shall be sounded to a minimum height of seven feet above the ground line to locate any rotten conditions or pockets of decay inside the pole. Borings shall be made to determine the location and extent of internal decay or voids. All borings shall be plugged with preservative treated wooden dowels. After the pole has passed the sound and bore inspection, an excavation inspection will be performed, if required.

c) Excavation

For poles requiring excavation, the pole shall be excavated to a minimum depth of 18 inches below the ground line. Any external decay shall be removed to expose the remaining sound wood. The remaining pole strength shall be calculated.

For a pole in concrete or pavement where excavation is not possible, Tampa Electric will utilize a shell boring technique. This will consist of boring two 3/8-inch holes at a 60-degree angle to a depth of 16 to 18 inches below ground level. Upon withdrawing the drill bit, the technician will examine the condition of the wood shavings to determine whether decay is present. A "Shell Gauge" is used to determine the thickness of the shell, which is then used to calculate the pole strength. All borings shall be plugged as previously described.

d) Hardware Inspection

The inspector shall inspect all of Tampa Electric's guying, grounding provisions and hardware that is visible from the ground. Any deficiencies or problems will be corrected as directed or reported to Tampa Electric to correct.

e) Inspection and Treatment Labeling

After completion of the ground line inspection, an aluminum tag identifying the contractor and date of inspection shall be attached to the pole above the birthmark. Additionally, a tag shall be attached identifying any preservative treatments applied and the date of application.

f) Data Collection

The collected data shall be managed in a database and include information related to pole class, material, vintage, location, pole strength and any pole deficiencies that required follow-up actions, if any.

5) Disposition of Poles

Poles with early stage decay that do not require remediation to meet the NESC strength requirements shall be treated with an appropriate preservative treatment. Poles with moderate decay that have substantial sound wood shall be considered for reinforcement. Analysis shall be performed to determine if reinforcement will bring the deficient pole into compliance with the requirements of the NESC. If it is determined that the pole can be reinforced, the pole shall be treated with an

appropriate preservative treatment and may be reinforced or replaced if needed. Poles with advanced decay shall fail the inspection and be replaced.

6) Routing of Inspections

a) Distribution

Tampa Electric's distribution system is a radial system with many laterals and service drops. In 2018, the company continued to use the methodology determined to be the most cost-effective and reasonable approach for routing the work by substation and circuit for the performance of the annual inspection program. This approach allows Tampa Electric to better align and coordinate other maintenance activities. Therefore, inspectors will be provided substation and circuit numbers to guide their inspection routes. All poles associated with selected circuits will be systematically inspected.

b) Transmission

Tampa Electric's transmission system is primarily a network system with few radials. The company has determined the most cost-effective and reasonable approach for routing the inspection work to be on a circuit basis. Therefore, annual inspections will be performed sequentially from substation to substation completing an entire circuit in the process.

7) Shared Poles

Tampa Electric supports the Commission's effort to establish pole inspection requirements on the owners of all utility poles. Tampa Electric will coordinate with third-party owners of utility poles that carry the company's facilities. With regard to the third-party's inspection process, the company will rely upon the third-party's inspection requirements and share data requested by the third-party to be utilized in their inspection procedure. Tampa Electric will cooperate, as requested, in the work associated with pole replacement where joint use exists. Third-party poles are visually inspected and sounded for internal decay. Issues found are provided to the third-party owner for resolution.

8) Standards Superseding NESC Requirements

At this time, there are no standards that supersede NESC requirements. Tampa Electric's Wood Pole Ground Line Inspection Program complies with NESC requirements.

9) Pole Inspection Program Performance Verification

Qualified Tampa Electric personnel or an independent contractor will conduct a quality control audit on the pole inspection work to verify compliance with the pole inspection services contract. This quality control audit shall consist of selecting random poles, determining the proper course of action per the inspection services contract, and comparing the independent audit recommendation against the proposed recommendation by the pole inspection service.

10) Reporting

Tampa Electric will file the annual Pole Inspection Report, as an inclusion to the company's Storm Implementation Plan and Annual Reliability Performance Reports, by March 1st of each year in full accordance with the reporting requirements set forth in Docket No. 070634-EI, Order No. PSC-07-0918-PAA-PU, issued November 14, 2007. The report will contain the methods used to determine the strength and structural integrity of wooden poles, the selection criteria for inspected poles, a summary of the results of the inspections, the cause(s) of inspection failures, and the corrective action taken for the failures.

11) 2018 Accomplishments

Tampa Electric performed 40,915 inspections of wooden transmission, distribution and lighting poles. Of this inspected population, there were 2,842 that failed and 1,080 that were reinforced. Tampa Electric total expenditures for the Wood Inspection Program was $1,604,341.

In 2018, the Ground Line Pole Inspection Program results include:

- There were 1,0287 wooden transmission poles.

- There were 39,887 wooden distribution and lighting poles.
- Tampa Electric performed reinforcement of 1,080 distribution and lighting poles.

Expenditures for the 2018 Ground Line Pole Inspection Program include:

- Distribution and lighting ground line pole inspections: $1,074,571
- Transmission ground line pole inspections: $62,337
- Distribution and lighting pole reinforcements: $467,432

12) 2019 Activities and Budget Levels

For 2019, Tampa Electric will continue performing transmission, distribution and lighting wood pole inspections by circuit with the goal of completing approximately 12.5 percent of the system.

For 2019, the Ground Line Pole Inspection Program goals include:

- 798 transmission pole inspections
- 39,500 distribution and lighting wood pole inspections
- 40,298 total transmission, distribution and lighting wood pole inspections.

Projected expenditures for the 2019 Ground Line Pole Inspection Program include:

- Transmission pole inspections: $55,000
- Distribution and lighting wood pole inspection: $975,000
- Distribution and lighting pole reinforcements: $46,071

Tampa Electric's Ground Line Inspection Program strategy takes a balanced approach and has produced excellent results in a cost-effective manner. The future inspections coupled with its pole replacement program will enhance the storm resilience of Tampa Electric's distribution, lighting and transmission poles.

13) Chromated Copper Arsenate Pole Inspections

In Docket No. 080219-EI, Order No. PSC-08-0615-PAA-EI, issued September 28, 2008 the FPSC approved a modification to Tampa Electric's Wood Pole Inspection Program involving chromated copper arsenate ("CCA") poles. Specifically, the modification requires CCA treated poles less than 16 years of age to be sound and selectively bored. Selective boring shall be performed on poles suspected of internal decay. Additionally, one percent of the annual number of CCA treated poles inspected less than 16 years of age shall be excavated to validate this inspection method. Finally, all CCA treated poles over 16 years of age shall be excavated.

SECTION IV – Rule 25-6.0455 F.A.C

A) 2018 Reliability Performance

1) Overview

Tampa Electric's 2018 distribution reliability indices, when compared to 2017, showed an increase in System Average Interruption Duration Index ("SAIDI"), Customer Average Interruption Duration Index ("CAIDI"), System Average Interruption Frequency Index ("SAIFI'), Momentary Average Interruption Event Frequency Index ("MAIFIe") and Average Duration of Outage Events ("L-Bar"). The increase in the reliability indices was due to several unnamed storm days that occurred in November and December. Although there was an adverse impact to SAIDI, MAIFIe, SAIFI, and CAIDI from the unnamed storms, these reliability indices without those unnamed storm days would have still been higher than 2017 with the exception of L-Bar. The 2018 adjusted SAIDI compared to 2017 shows there was a 23 percent increase due to the unnamed storm days. The 2018 adjusted SAIDI would have been eight percent higher than 2017 adjusted SAIDI without the unnamed storm days. The 2018 adjusted CAIDI compared to 2017 shows there was a 12 percent increase due to the unnamed storm days, however, the 2018 CAIDI is lower than the five-year average. The 2018 adjusted CAIDI would have been three percent higher than the 2017 adjusted CAIDI without the

unnamed storm days. The 2018 adjusted MAIFIe compared to 2017 shows a five percent increase due to unnamed storm days, however, the 2018 MAIFIe is lower than the five-year average. The 2018 MAIFIe would have been one percent higher than 2017 adjusted MAIFIe without the unnamed storm days. The 2018 adjusted SAIFI compared to 2017 shows there was a 13 percent increase due to an increase in outages which resulted from the unnamed storm days. The 2018 adjusted SAIFI would have been five percent higher than 2017 adjusted SAIFI without the unnamed storm days. The 2018 adjusted L-Bar would have been three percent lower than 2017 adjusted L-Bar without the unnamed storm days.

2) Summary

Tampa Electric's actual 2018 SAIDI increased by 24.10 minutes as compared to 2017, representing a 22.37 percent increase. The adjusted 2018 SAIDI increased by 21.71 minutes as compared to 2017 representing a 22.93 percent increase. Actual 2018 CAIDI increased by 4.93 minutes as compared to 2017 representing a 6.80 increase. The adjusted 2018 CAIDI increased by 9.37 minutes as compared to 2017 representing a 11.67 percent increase. Actual 2018 SAIFI increase by 0.24 interruptions as compared to 2017 representing a 16.22 percent increase. The adjusted 2018 SAIFI increase by 0.15 interruptions as compared to 2017 representing a 12.71 percent increase. Actual 2018 MAIFIe decreased by 2.76 events as compared to 2017 representing a 26.01 percent decrease. The adjusted 2018 MAIFIe increased by 0.47 events as compared to 2017 representing a 4.88 percent increase. A summary table of Tampa Electric's reliability performance for 2018 as compared to 2017 is below:

Tampa Electric's 2018 Reliability Performance Summary				
Actual	**2017**	**2018**	**Difference**	**Percent Change**
SAIDI	83.63	107.73	24.10	22.37%
CAIDI	67.62	72.55	4.93	6.80%
SAIFI	1.24	1.48	0.24	16.22%
MAIFIe	13.37	10.61	-2.76	-26.01%
L-Bar	184.29	179.05	-5.24	-2.93%
CEMI-5	1.75%	2.57%	0.82%	31.91%
Adjusted	**2017**	**2018**	**Difference**	**Percent Change**
SAIDI	72.99	94.70	21.71	22.93%
CAIDI	70.94	80.31	9.37	11.67%
SAIFI	1.03	1.18	0.15	12.71%
MAIFIe	9.16	9.63	0.47	4.88%
L-Bar	177.04	179.74	2.70	1.50%
CEMI-5	1.07%	1.54%	0.47%	30.52%

Tampa Electric experienced an increase of 1,589 overall outages in 2018 as compared to 2017. Three primary outage causes in 2018 had a decrease in outages and eight primary causes had an increase in outages as compared to 2017. The following three primary causes had a decrease of 355 outages as compared to 2017:

- Animals decreased by 260
- Down Wire decreased by 54
- Vehicle decreased by 41

The following eight primary causes had an increase of 1,944 outages as compared to 2017:

- Vegetation increased by 506
- Lighting increased by 723
- Unknown increased by 298
- Electrical increased by 49
- Bad Connection increased by 192

- Other Weather increased by 126
- Defective Equipment increased by 13
- All Remaining Causes increased by 37

In comparison to the last five-year average, Tampa Electric experienced 1,514 more outages in 2018 representing a 16 percent increase. For the 2017 outage causes, four of the eleven categories are lower when compared to the five-year average totals. Here is the listing of how the eleven categories changed as compared to the five-year average:

- Animals decreased by 8.92 percent
- Vegetation increased by 29.87 percent
- Lighting increased by 18.71 percent
- Electrical increased by 0.76 percent
- Unknown increased by 43.11 percent
- Bad Connection increased by 15.13 percent
- Down Wire decreased by 1.56 percent
- Vehicle decreased by 0.55 percent
- Other Weather increased by 84.14 percent
- Defective Equipment decreased by 16.25 percent
- All Remaining Causes increased by 32.41 percent

Tampa Electric currently tracks outage records in the company's Distribution Outage Database ("DOD") according to the date, duration, customer affected, cause, equipment-type, associated field reports, breaker operations, etc., and uses this information to track and report interdepartmental, intercompany and external regulatory request as required.

Tampa Electric continues reviewing system performance and related metrics on a daily basis. Primary areas of focus include incremental and year-to-date semi-weekly SAIDI, CAIDI and SAIFI performance for Transmission, Substation and Distribution, year-to-date MAIFIe and associated breaker operations, customer

outages by system and service area and major unplanned outages. In addition, Tampa Electric reviews the status of de-energized underground cables, reclosers, online capacitor banks and street lights previously identified as needing maintenance.

In 2018, Tampa Electric continued the company's increased focus on the priority of feeder restoration activities. One example of this priority is the review and report of lessons learned on feeder outages where the outage duration exceeded acceptable thresholds. This review and report is done semi-weekly in pursuit of continued improvements with response time.

In addition to reviewing semi-weekly performance as noted above, the company analyzes Distribution circuit performance, including feeders represented on the three percent feeder list, through a number of different ongoing processes. These processes include tree trimming analysis and circuit analysis.

3) Conclusion

In 2018, Tampa Electric customers experienced more outages with longer duration due to unnamed storm days that occurred in the months of November and December that was unexpected.

B) Generation Events – Adjustments

Tampa Electric experienced no outages due to generation events that would have impacted Distribution Reliability. Because of this, there are no exclusions in the company's 2018 Annual Distribution Reliability Report related to generation outage events.

C) Transmission Events – Adjustments

1) Transmission Outage Summary

In 2018, there were eight transmission outages that affected customers. These transmission outages included four outages that were due to equipment failures,

two outages due to vehicle collisions, one outage due to animals and one outage due to other circumstances. A total of 1,791,394 CMI and 92,444 Customer Interruptions ("CI") were excluded from the 2018 Annual Distribution Reliability Report per Rule 25-6.0455.

2) Equipment Failure Outages

There were four outages attributed to splice, conductor, static wire and dead-end connection failures in 2018. The repair or replacement of structures and associated components has been identified and prioritized.

3) Vehicle Collision Outages

There were two outages due to vehicle collisions with poles and guy wire in 2018. The repair or replacement of structures and associated components has been identified and prioritized.

4) Human Error Outages

There were no outages due to human error in 2018.

5) Vegetation Related Outages

There were no outages due to vegetation in 2018. Tampa Electric Linemen have been instructed to report vegetation growth that is near the conductor. Once a location is identified, the Line Clearance department will be contacted to remove the overgrown vegetation.

6) Animal Related Outages

There was one outage related to animals in 2018. The event was caused by a bird coming in contact with the circuit.

7) Clearance Outages

There were no outages due to insufficient clearance in 2018.

8) Other and Weather Outages

There was one outage related to other circumstances. The event was caused by a customer's equipment coming in contact with the circuit.

9) Transmission Outage Detail

69 kV Circuit

January 2018

Date: 1/5/2018 Circuit: 66007

Customers Affected: 29,138 SAIDI Impact: 4.60

Discussion: Service was interrupted when a splice failed, and the phase fell. The splice was replaced, and the circuit was returned to service.

Event: Localized

February 2018

Date: 2/26/2018 Circuit: 66658

Customers Affected: 475 SAIDI Impact: 1.12

Discussion: Service was interrupted when an old conductor failed, while pulling in new wire, and fell into the distribution primary. The conductor was removed, and the circuit was returned to service.

Event: Localized

March 2018

Date: 3/4/2018 Circuit: 66026

Customers Affected: 18,546 SAIDI Impact: 36.86

Discussion: Service was interrupted when a pole was hit by a vehicle. The damaged pole was replaced, and the circuit was returned to service

Event: Localized

Date: 3/17/2018 Circuit: 66024

Customers Affected: 4,133 SAIDI Impact: 0.38

Discussion: Service was interrupted when a bird came in contact with the conductor. The carcass was removed, and the circuit was returned to service.
Event: Localized

May 2018

Date: 5/11/2018 Circuit: 66005
Customers Affected: 2,057 SAIDI Impact: 0.82
Discussion: Service was interrupted when customer's equipment came in contact with the conductor. The equipment was removed and secured, and the circuit was returned to service.
Event: Localized

June 2018

Date: 6/9/2018 Circuit: 66026
Customers Affected: 19,419 SAIDI Impact: 12.49
Discussion: Service was interrupted when down guys were hit by a vehicle. The damaged down guys were removed and tap repaired, and the circuit was returned to service.
Event: Localized

August 2018

Date: 8/20/2018 Circuit: 66067
Customers Affected: 789 SAIDI Impact: 2.34
Discussion: Service was interrupted when the static wire failed and fell. The static wire was replaced, and the circuit was returned to service.
Event: Localized

October 2018

Date: 10/9/2018 Circuit: 66001
Customers Affected: 17,887 SAIDI Impact: 81.69

Discussion: Service was interrupted when the static dead-end connection failed, and static wire fell. The static wire was removed, and the circuit was returned to service.

Event: Localized

138 kV Circuit

There were no outages on the 138 kV circuits in 2018.

230 kV Circuit

There were no outages on the 138 kV circuits in 2018.

D) Extreme Weather

Tampa Electric experienced no extreme weather events during 2018 which affected transmission customers in the company's service territory.

E) Other Distribution – Adjustments

In 2018, there were 2,995 Other Distribution outages that affected customers. A total of 9,895,225 CMI and 234,069 CI were excluded from the 2018 Annual Distribution Reliability Report per Rule 25-6.0455. All outages were attributed to planned events as noted within the 2018 Adjustments as provided in the Appendix starting on page 104.

F) Distribution Substation

1) Distribution Substation Adjustments

In 2018, there were 146 Distribution Substation outages that affected customers. A total of 7,714,024 CMI and 158,320 CI were excluded from the 2018 Annual Distribution Reliability Report per Rule 25-6.0455. All outages were attributed to substation equipment as noted within the 2018 Adjustments: Distribution Substation in Appendix B.

2) Patterns and Trends – Distribution Substation Reliability Performance

In 2018, Substation outages due to circuit breaker mechanism mis-operation contributed the most to SAIDI. Tampa Electric currently has a program in place to replace aging and problematic circuit breakers. Since 2008, the total number of 13 kV circuit breakers that have been replaced through a 13 kV circuit breaker replacement program and failed circuit breakers is 256. In 2018, 14 circuit breakers and associated circuit protection relaying were replaced as part of the company's capital asset replacement program or failed circuit breakers.

In 2018, Substation outages due to bushing failure were the second leading contributor to SAIDI. A total of four bushing failure events occurred in 2018, three involved transformer bushing failures and one involved a 13 kV circuit breaker bushing failure. Tampa Electric tests on cycles the transformer high side and low side bushings as part of the regularly scheduled transformer Doble tests for all substation transformers. All bushings tested must pass acceptance criteria otherwise they are removed and replaced.

The third leading substation outage contributor to SAIDI in 2018 can be attributed to other or unknown problems. Events such as a severe storm caused a 13-kV bus outage, a substation transformer tripped due to overloading, and a 13 kV bus tripped by differential protection. No substation outage events were caused by no fault or failed relay devices in this category. Tampa Electric investigates all substation bus outage events to determine the cause and mitigation for such events for system reliability.

3) Process to Promote Substation Reliability

Tampa Electric's Substation Department utilizes the following processes and activities to determine the actions to promote substation reliability:

- Routine substation inspections
- Root cause analysis of outages
- Track and review of all substation outages

Tampa Electric findings support the following ongoing activities:

- Review of all mis-operation of circuit breakers
- Installation of animal protection in substations
- Install microprocessor-based relays for reclosing in all new construction and upgrade projects
- Replace station wide static under frequency relays with feeder-based microprocessor under frequency relays in all new construction projects
- Replacing 13 kV circuit breakers that have been identified as problem breakers
- Increased lightning withstand protection on Tampa Electric Large Autotransformers
- An improved standard of all bushings on all new transformers and circuit breakers
- Implementation of automatic bus restoration schemes in stations with multiple transformers and microprocessor-based relay protection schemes.

The tables and exhibits that follow provide number of distribution substation inspections performed by year and the SAIDI Impact in minutes for distribution substation outages by cause. This information is used to gauge and track the substation reliability.

Table 1: Distribution Substation Inspections by Year

Year	Number of Distribution Substation Inspections
2014	396
2015	377
2016	361
2017	347
2018	418

Exhibit 1: 2018 Distribution Substation Outages

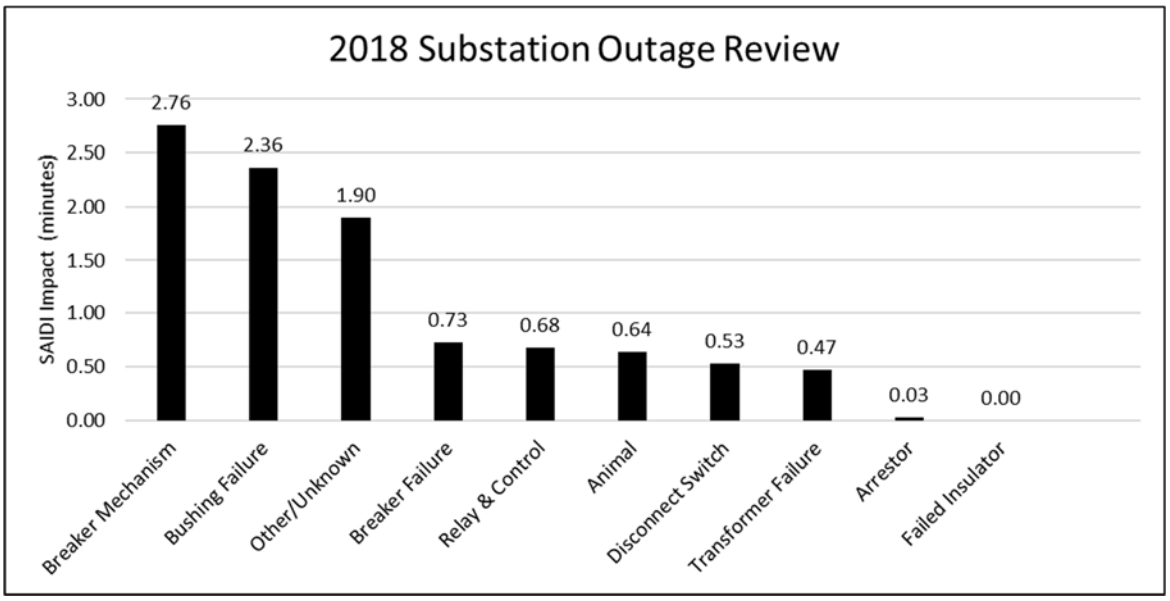
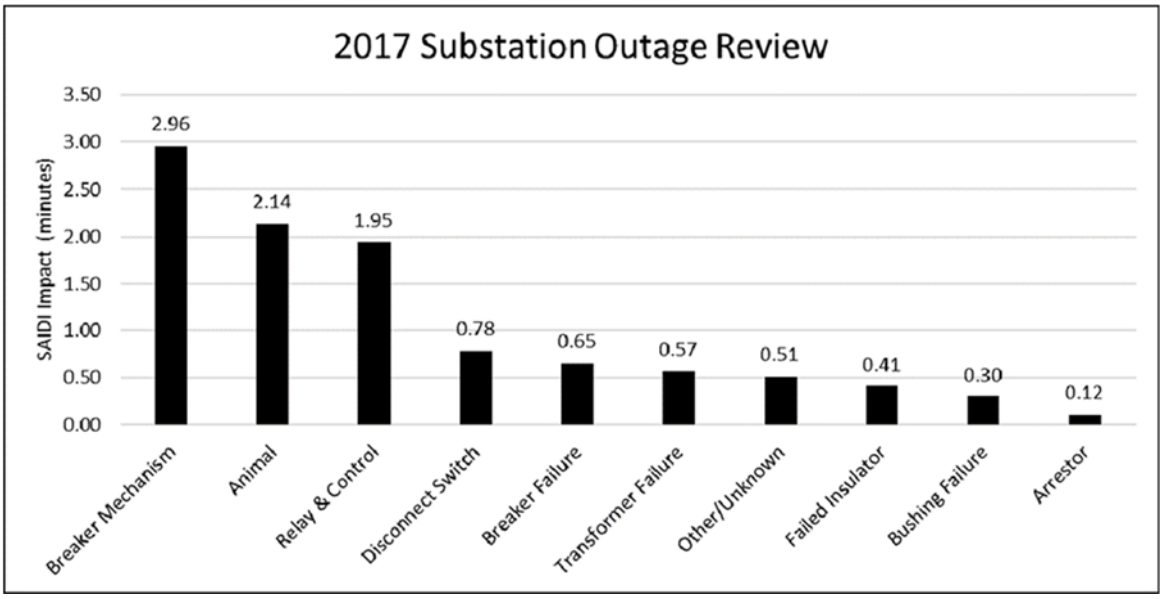


Exhibit 2: 2017 Distribution Substation Outages



Note 1: The SAIDI impact excluded from substation outages in 2017 due to Hurricane Irma was 27.20 minutes.

Exhibit 3: 2016 Distribution Substation Outages

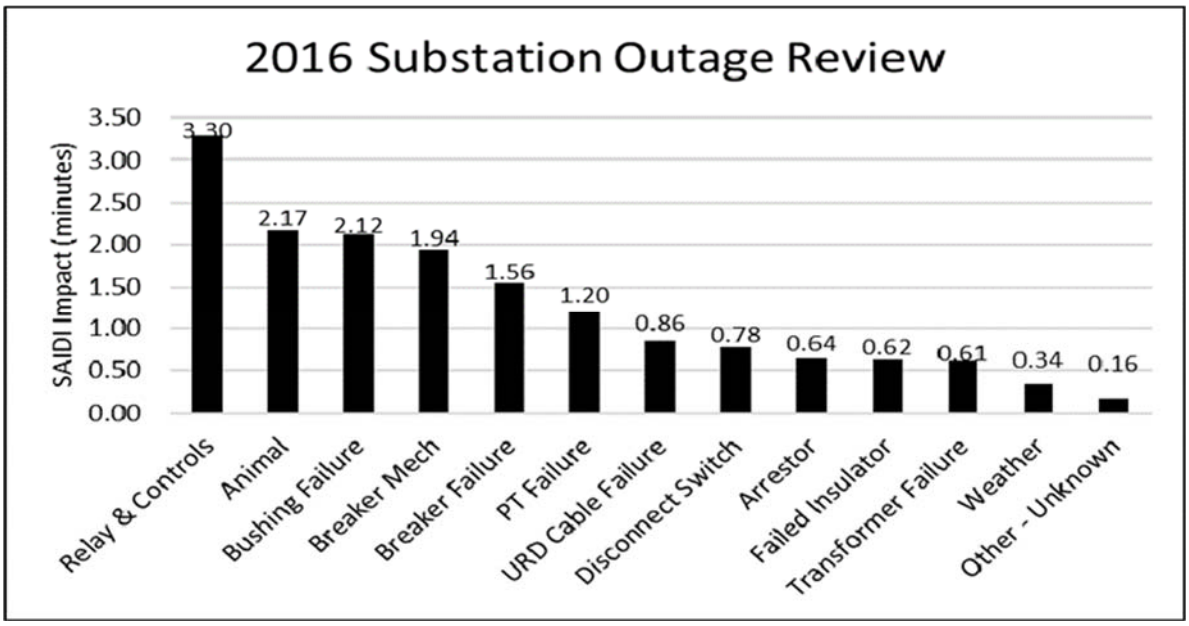


Exhibit 4: 2015 Distribution Substation Outages

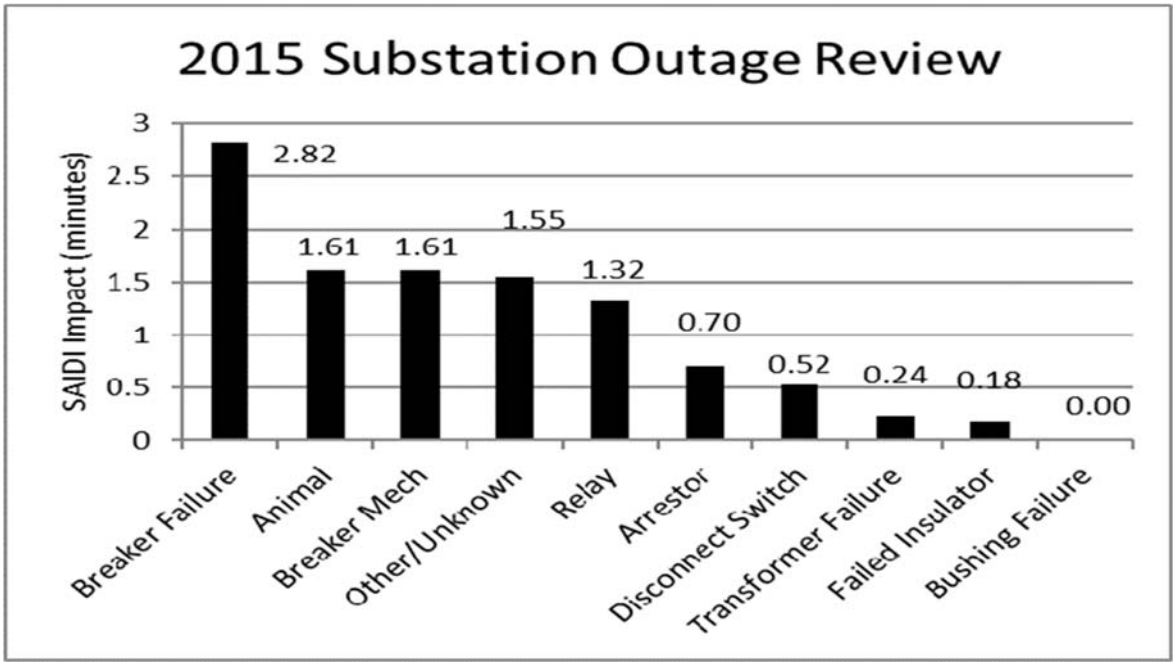


Exhibit 5: 2014 Distribution Substation Outages

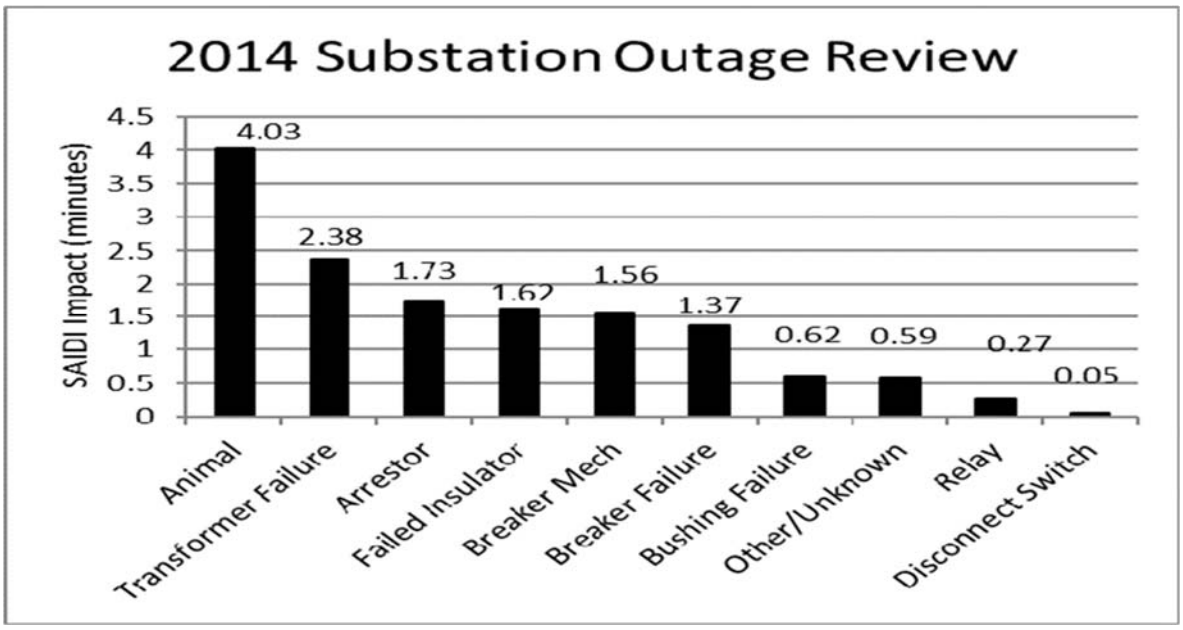


Exhibit 6: Substation Outages due to Breaker Mechanism

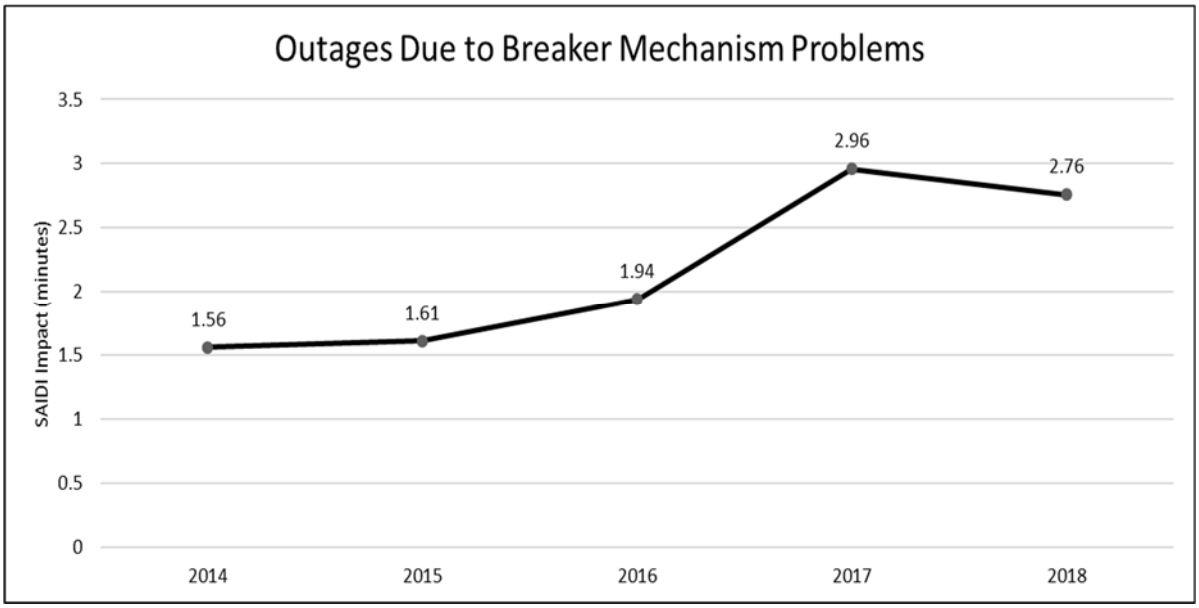


Exhibit 7: Substation Outages due to Bushing Failures

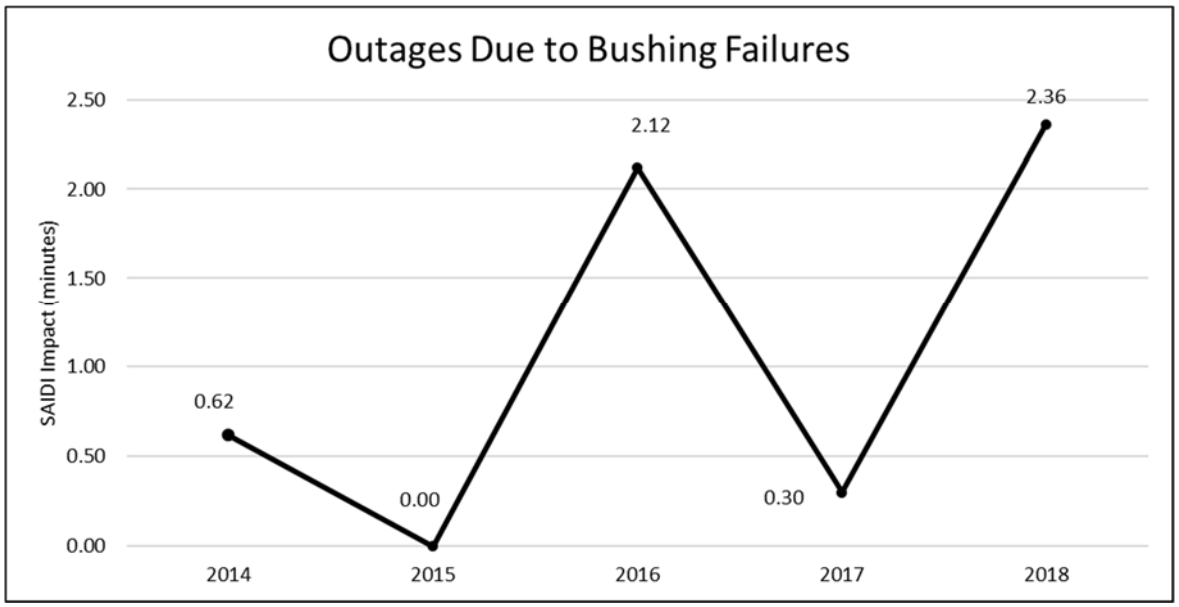
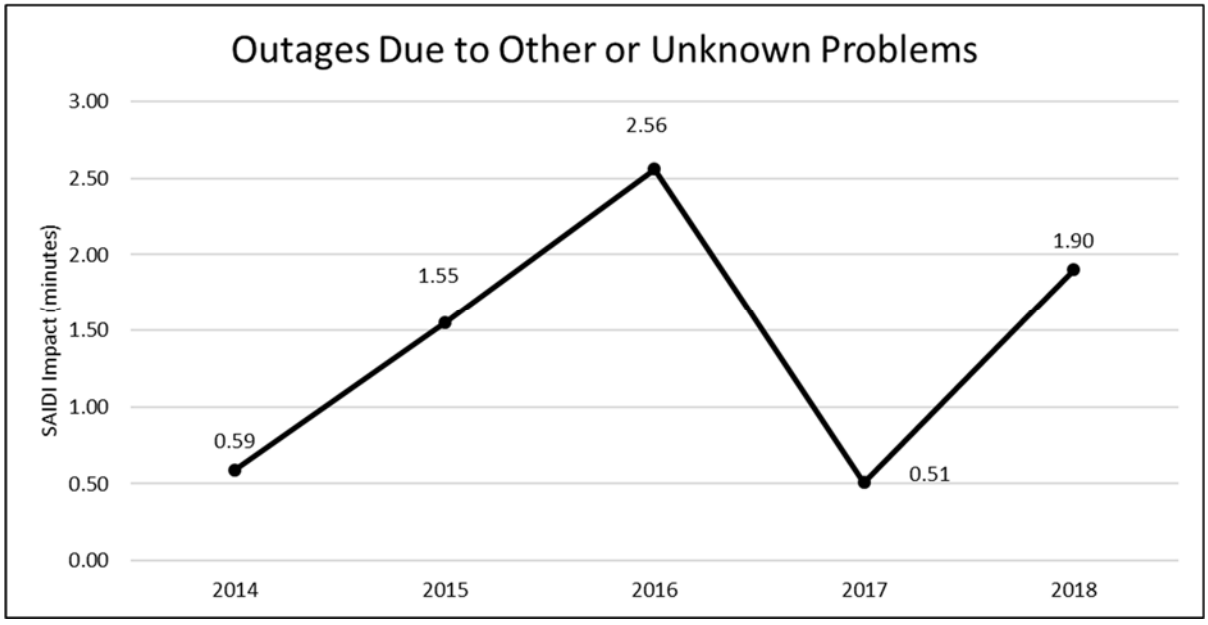


Exhibit 8: Substation Outages due to Other or Unknown Problems



G) 2018 Adjusted Distribution Reliability

1) Causes of Outages

Table 2: Cause of Outage Events by Year

	2014	2015	2016	2017	2018
Vegetation	1,974	2,064	1,959	2,108	2,614
Animals	1,483	1,321	1,178	1,632	1,372
Lightning	1,917	1,779	1,751	1,258	1,981
Electrical	1,256	1,184	1,053	1,113	1,162
Bad Connection	856	875	840	770	962
Unknown	850	792	931	972	1,270
Down Wire	512	563	544	611	557
Vehicle	343	397	363	401	360
Other Weather	209	166	183	278	404
Defective Equipment	164	170	144	122	135
All Remaining Causes	182	223	245	249	286
System Totals	9,746	9,534	9,191	9,514	11,103

2) Three Percent Feeder

In 2018, Tampa Electric has identified eight circuits that have been listed once before in the prior five years. These circuits include:

- Miller Mac Circuit 13781
- Fairgrounds Circuit 13213
- Sun City Circuit 13304
- Berkley Circuit 13696
- Blanton Circuit 13815
- Fort King Circuit 13006
- 1st Street Circuit 13898
- Sun City Circuit 13303

Actual events for Miller Mac 13781 included five circuit outages as reported. The company completed corrective activities on this circuit in 2018 by performing the

following: replaced tap, transformer, 600amp switch and underground single-phase conductor.

Actual events for Fairgrounds 13213 included three circuit outages as reported. The company completed corrective activities on this circuit in 2018 by performing the following: replaced transformers, poles and underground cables.

Actual events for Sun City 13304 included two circuit outages as reported. The company completed corrective activities on this circuit in 2018 by performing the following: replaced cut out, repaired Tap on pole top switch, replaced a transformer and a Load Break Cabinet.

Actual events for Berkley 13696 included six circuit outages as reported. The company completed corrective activities on this circuit in 2018 by trimming the trees.

Actual events for Blanton 13815 included four circuit outages as reported. The company completed corrective activities on this circuit in 2018 by performing the following: replaced poles and trimmed trees.

Actual events for Fort King 13006 included three circuit outages as reported. The company completed corrective activities on this circuit in 2018 by installing automatic reclosers.

Actual events for First Street 13898 included five circuit outages as reported. The company completed corrective activities on this circuit in 2018 by performing the following: installed avian equipment, replaced switch gear and transformers, and changed out 6-position connector.

Actual events for Sun City 13303 included four circuit outages as reported. The company completed corrective activities on this circuit in 2018 by performing the following: replaced regulator, cutouts, lightning arrestors, feeder cable and insulator.

Other circuits identified in both “Actual” and “Adjusted” reports have had maintenance activities performed as noted on the Three Percent Feeder Report. The company will continue to monitor circuit outage performance as part of its daily and ongoing review of system reliability and will respond accordingly.

H) Regional Reliability Indices

1) Summary

Table 3 below represents customer by service area for 2018. Dade City, Plant City and Winter Haven have the fewest customers and represent the most rural, lowest customer density per line mile in comparison to the other four Tampa Electric service areas. Actual reliability indices for the rural areas have carried from those of the most urban, densely populated areas for this period. This is due to the greater distance travel for service restoration in rural areas.

In 2018, SAIDI by service areas increased, as compared to 2017, in all areas as shown in Table 4 below. The 2018 SAIDI performance compared to the five- year average increased for all the seven service areas. Actual results by service areas and year have varied for the five-year period.

In 2018, CAIDI by service areas increased, as compared to 2017 in all service areas except for South Hillsborough shown in Table 5 below. The 2018 CAIDI performance compared to the five-year average decreased for three of the seven service areas. Actual results by service areas and year have varied for the five-year period.

In 2018, SAIFI by service areas increased, as compared to 2017, in all areas except for Dade City shown in Table 6 below. The 2018 SAIFI performance compared to the five-year average decreased for two of the seven service areas. Actual results by service areas and year have varied for the five-year period.

In 2018, MAIFIe by service areas increased, as compared to 2017, in all areas except for Western shown in Table 7 below. The 2018 MAIFIe performance compared to the five-year average decreased for two of the seven service areas. Actual results by service areas and year have varied for the five-year period.

2) Regional Reliability Trends

Table 3: Number of Customers by Service Area Per Year

	2014	2015	2016	2017	2018
Central	190,459	193,436	196,431	202,572	205,611
Dade City	14,165	14,372	14,492	14,801	14,954
Eastern	115,122	117,268	119,286	122,667	125,030
Plant City	57,220	58,472	59,381	61,187	62,131
South Hillsborough	69,431	72,340	75,450	80,194	84,636
Western	196,085	198,224	199,891	203,805	206,962
Winter Haven	69,687	70,799	71,888	74,403	75,778
System	**712,169**	**724,911**	**736,819**	**759,629**	**775,102**

Table 4: SAIDI by Service Area per Year

	2014	2015	2016	2017	2018
Central	62.95	69.57	63.1	63.83	86.82
Dade City	206.1	199.2	153.43	153.49	168.45
Eastern	76.33	67.28	85.28	63.49	85.29
Plant City	116.88	116.91	112.79	91.97	112.22
South Hillsborough	74.22	86.24	104.28	84.42	98.82
Western	81.39	77.79	81.26	70.79	96.68
Winter Haven	76.58	65.74	81.71	75.65	92.71
System	79.8	79.12	83.43	72.99	94.7

Table 5: CAIDI by Service Area per Year

	2014	2015	2016	2017	2018
Central	79.05	65.78	73.82	78.1	83.28
Dade City	87.37	103.99	85.64	73.25	85.19
Eastern	79.62	74.61	85.81	71.53	85.65
Plant City	79.37	80.18	93.66	63.83	72.3
South Hillsborough	87.83	78.44	76.97	70.37	68.99
Western	94.24	87.04	86.01	71.65	86.35
Winter Haven	82.69	70.64	86.62	62.31	73.07
System	84.54	76.92	82.78	70.94	80.31

Table 6: SAIFI by Service Area per Year

	2014	2015	2016	2017	2018
Central	0.80	1.06	0.85	0.82	1.04
Dade City	2.36	1.92	1.79	2.10	1.98
Eastern	0.96	0.90	0.99	0.89	1.00
Plant City	1.47	1.46	1.20	1.44	1.55
South Hillsborough	0.85	1.10	1.35	1.20	1.43
Western	0.86	0.89	0.94	0.99	1.12
Winter Haven	0.93	0.93	0.94	1.21	1.27
System	0.94	1.03	1.00	1.03	1.18

Table 7: MAIFIe by Service Area per Year

	2014	2015	2016	2017	2018
Central	8.31	8.46	7.8	7.87	8.08
Dade City	19.84	17.95	14.65	14.17	14.76
Eastern	9.85	9.08	9.22	8.76	10.15
Plant City	15.08	11.8	13.35	12.78	14.72
South Hillsborough	8.73	11.03	12.76	10.84	11.05
Western	9.64	8.71	8.81	8.4	8.26
Winter Haven	11.36	11.07	9.67	9.66	9.95
System	10.04	9.59	9.58	9.16	9.63

Table 8: CEMI5 by Service Area per Year

	2014	2015	2016	2017	2018
Central	0.83%	0.51%	0.96%	0.18%	1.41%
Dade City	5.94%	10.41%	2.72%	6.64%	4.73%
Eastern	0.33%	0.27%	0.47%	1.79%	0.77%
Plant City	1.37%	2.61%	2.15%	3.02%	1.10%
South Hillsborough	0.23%	0.82%	0.17%	2.43%	2.93%
Western	0.15%	0.42%	0.63%	0.30%	1.19%
Winter Haven	0.54%	0.15%	1.81%	0.20%	2.23%
System	0.63%	0.81%	0.92%	1.07%	1.54%

I) Overhead – Underground Reliability

1) Five-Year Trends – Reliability Performance

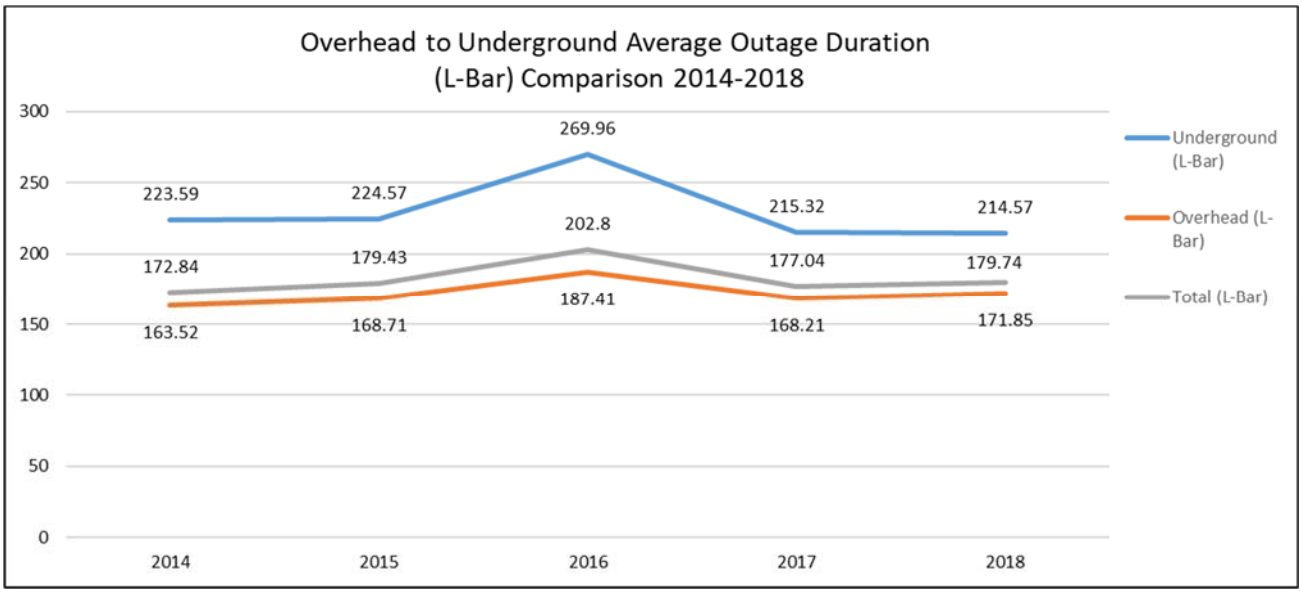
Table 9: Outages per Year

System Totals	2014	2015	2016	2017	2018
Number of Outages Events (N)	9,746	9,534	9,191	9,514	11,103
System Average Duration (L-Bar)	172.84	179.43	202.80	177.04	179.74
Average Restoration Time (CAIDI)	84.54	76.92	82.78	70.94	80.31

Overhead	2014	2015	2016	2017	2018
Number of Outages Events (N)	8,233	7,705	7,490	7,731	9,087
Overhead Average Duration (L-Bar)	163.52	168.71	187.41	168.21	171.85
Average Restoration Time (CAIDI)	79.08	70.55	77.16	65.45	75.55

Underground	2014	2015	2016	2017	2018
Number of Outages Events (N)	1,153	1,829	1,701	1,783	2,016
Underground Average Duration (L-Bar)	223.59	224.57	269.96	215.32	214.57
Average Restoration Time (CAIDI)	132.80	139.73	138.93	118.20	124.44

Exhibit 9: Overhead to Underground Outage Duration



2) Tracking Overhead to Underground Reliability Performance

Tampa Electric tracks outage records in the company's DOD according to cause and equipment type. These equipment types are designed and associated with the overhead and underground systems. Reporting capability allows the company to track CMI, CI, Number of outages, Average Duration and CAIDI as referenced in Section C – Overhead to Underground in the Appendix. In addition, separate reporting was undertaken in order to align miles and customers for overhead and underground distribution.

The company tracks and reports MAIFIe by system and circuit. Interruption data is electronically captured, recorded and tracked at each individual distribution circuit breaker. As a result, a momentary interruption occurring down-line from the circuit breaker in which the circuit breaker does not operate is not currently captured and cannot be reported.

The company currently measures CEMI-5 through a query that is run through the company's OMS. There is no option to run a query for overhead or underground systems. Therefore, the company is unable to provide CEMI-5 as previously requested by Commission Staff.

3) Underground Distribution System Conversions

Over the past six years, the Dana Shores Civic Association and Tampa Electric have been working with Hillsborough County to create and execute a Municipal Service Benefit Units ("MSBU") ordinance and initiate the first project under this new mechanism. The MSBU provide an opportunity for neighborhoods to set up self-elected taxing districts that would fund capital upgrade through annual Ad Valorem taxes. Tampa Electric employees have attended several meetings with officers of the association, county officials, as well as regular association meetings to provide assistance. These meetings have also created interest in other neighborhoods, as well as the City of Tampa, for the possibility of converting portions of the system to underground. Tampa Electric is evaluating these conversions especially those that are more susceptible to failure during storms to determine how they should be incorporated as part of the company's storm plan. Estimates for the Dana Shores project have been presented jointly by the association's officers and Tampa Electric employees to the County Planning Commission Staff, and in 2018 a final, binding bid was submitted by Tampa Electric to Dana Shores and Hillsborough County. Efforts are still underway with Hillsborough County to create the Dana Shores taxing district and to acquire a bond to fund his project. Although the initial MSBU ordinance was created and passed by the County Commission in 2015, Dana Shores Civic Association leadership has continued to work on getting the necessary neighborhood consensus documentation to be the County's first MSBU project. The construction for this underground conversion is projected to start in the summer of 2019.

J) Reliability-Related Customer Complaints

In 2018, Tampa Electric experienced a decrease of one formal service-related complaints as logged by the Florida Division of Consumer Affairs and noted in Exhibit 10 below. In addition, service-related complaints as tracked by the company and including FPSC Formal, Three-Day, Transfer-Connect, eWarm Transfer and Executive Level in 45 complaints in 2018 as noted in Exhibit 11 below. In comparison to the five-year average, overall complaints increased by 14.54 percent in 2018.

When comparing, formal complaints logged against the company to reliability performance (Exhibits 12 and 13 below) over the last five years, the reliability performance has varied, and complaints have tracked accordingly. The company believes that a continued focus on activities such as vegetation management, circuit review activity and resulting line improvements and other maintenance activities will contribute toward minimizing service-related complaints in 2019 and beyond.

Tampa Electric's current process for responding to all service related complaints includes the central intake and coordination of complaint resolution through the company's Quality Assurance Department and extends out to operations engineers who are responsible for the daily oversight of feeders in their respective service area. Operations engineers are involved in customer interactions, identifying needs and corrective measures and are responsible for coordination through to completion. Working through and responding to complaints at a region/service area level provides the company an opportunity to be aware of any trends that may occur for a given feeder or lateral.

In addition, the group of Operations Engineers and System Reliability meet monthly to review common areas of concern across the system and identifies opportunities for improvement.

Exhibit 10: Tampa Electric Formal Reliability Complaints Filed with the FPSC by Year

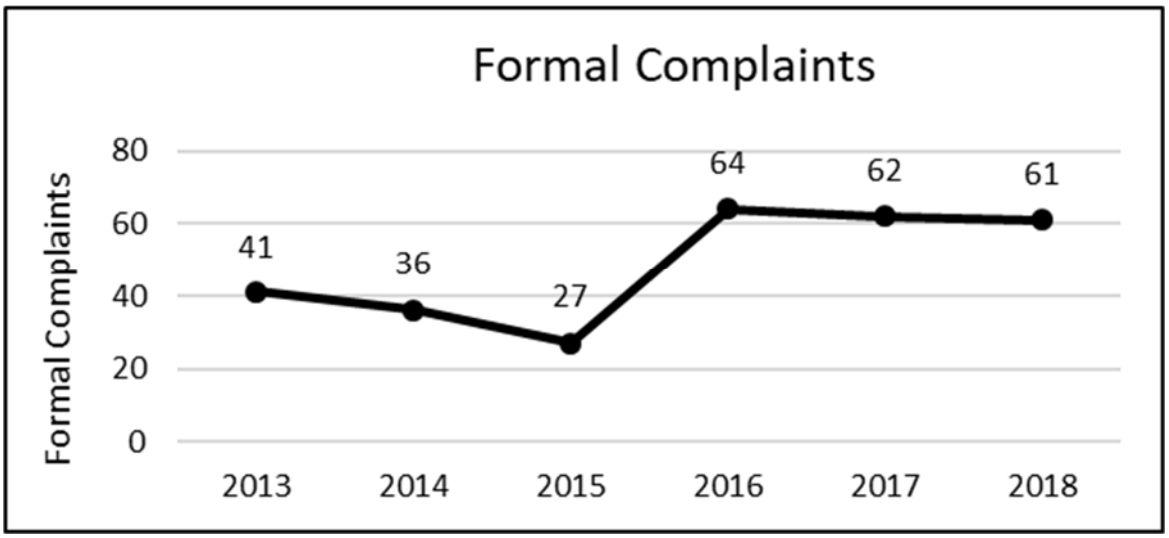


Exhibit 11: Tampa Electric Service Complaints by Year

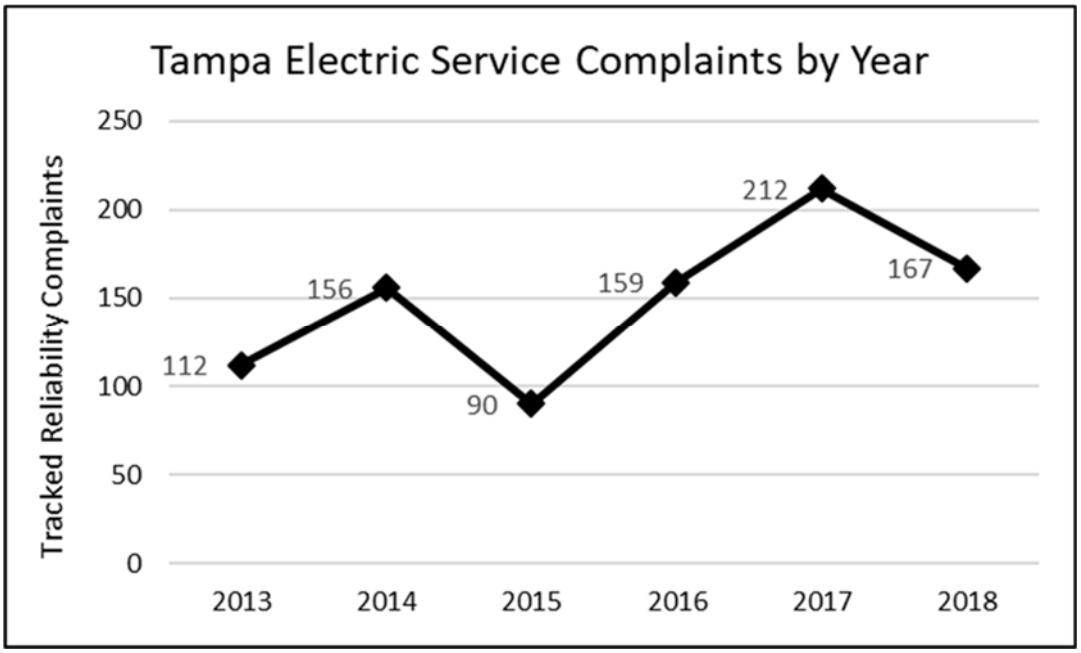


Exhibit 12: Formal Complaints vs. SAIDI by Year

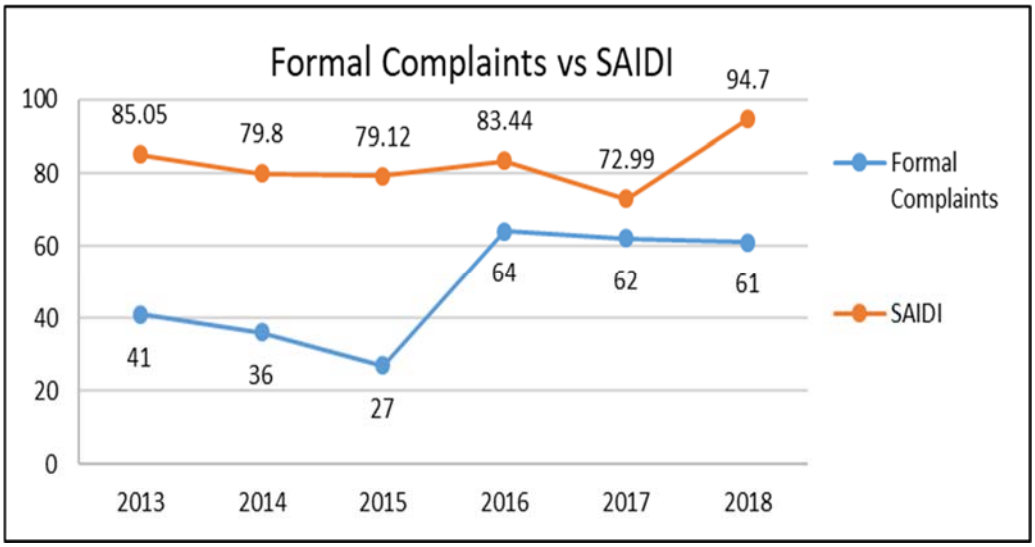
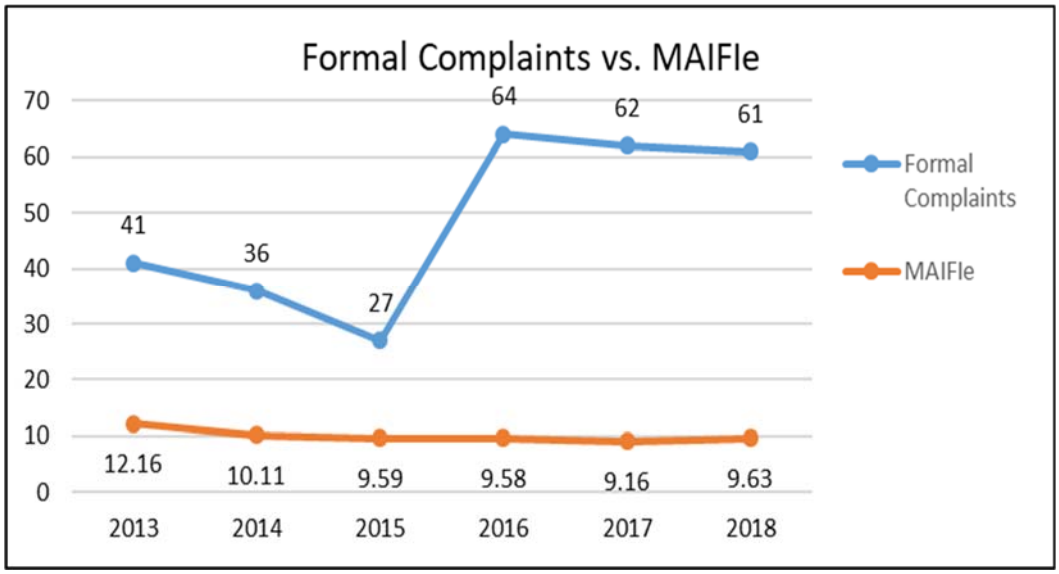


Exhibit 13: Formal Complaints vs. MAIFIe by Year



APPENDIX

2018

STORM IMPLEMENTATION PLAN
&
ANNUAL RELIABILITY PERFORMANCE REPORTS

Appendix A) Form PSC/ECR 102-1(a)(8/06)

Primary Causes of Outage Events

Utility Name: Tampa Electric Year: 2018

Cause (a)	Number of Outages Events (N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
Planned Outage	2,996	176.52	42.85
Vegetation	2,633	200.05	95.85
Lightning	1,981	206.81	107.59
Animals	1,373	96.11	61.63
Unknown	1,271	133.92	49.65
Electrical	1,171	186.41	77.05
Bad Connection	965	231.18	85.87
Down Wire	557	150.67	64.90
Other Weather	406	202.36	108.33
Vehicle	365	214.61	76.68
Human Interference	211	175.29	61.03
Defective Equipment	135	178.42	142.43
Unassigned	44	286.06	350.93
Customer Owned Equipment	40	198.48	59.64
Fire	21	189.61	36.86
Substation Equipment	18	74.42	43.89
Transmission Equipment	5	88.03	47.67
Structure	4	308.88	258.88
Other	1	132.43	132.43
Total	**14,197**	**179.05**	**72.55**

Note: L-Bar and CAIDI are expressed in minutes.

Form 102 – Part II – Actual

FPSC Annual Report - 3 Percent Feeder List

Primary Circuit Id. No. or Name (a)	Substation Origin (b)	Location (c)	Number of Customers				Circuit Outages "N" (h)	Avg. Duration "L-Bar" (i)	CAIDI (j)	Listed Last Year? (k)	Years in the Last 5 (l)	Action Completion Date (n)
			Residential (d)	Commercial (e)	Industrial (f)	Total (g)						
13201	GRAY ST	Western	850	44	0	894	13	56.02	41.35	0	0	4/7,11/27,1/3,11/28
13781	MILLER MAC	South Hillsborough	1,149	310	0	1,459	10	185.97	50.18	0	1	3/20,5/2,7/2,8/1,4/12
13840	FLORIDA AV	Central	1,855	157	0	2,012	9	186.35	25.00	0	0	2/16,8/13,7/23,11/30,2/8
13191	DBL.BRCH	Western	495	332	3,281	836	9	132.95	32.82	0	0	9/20,5/24,5/18,1/5,12/7
13815	BLANTON	Dade City	541	103	0	644	8	147.42	31.39	0	2	1/5,1/19,10/6,7/16,4/9,8/6
13237	CALOOSA	South Hillsborough	2,213	123	0	2,336	8	112.77	50.00	0	0	3/23,10/20,10/30,12/21,10/22
14102	CROSSCRK	Central	1,853	119	0	1,972	7	212.17	95.70	0	0	7/2,3/2,9/16,4/11
13027	TEMP.TER	Central	988	52	0	1,040	7	202.65	83.85	0	0	10/19,9/2,8/19,8/8,8/23
13708	BUCKHORN	Eastern	1,247	200	0	1,447	7	127.82	79.88	0	1	12/25,4/29,9/30
13213	FAIRGROUNDS	Eastern	1,262	433	2,918	1,703	7	147.44	72.37	0	0	2/26,9/20,4/23,2/20,4/7,2/26,12/22
13169	MADISON AV	Eastern	1,336	173	365	1,510	7	134.07	54.52	0	0	12/30,6/21
13008	MULBERRY	Plant City	332	86	8,030	440	7	197.61	40.51	1	1	5/3,5/24,7/10,2/11,8/21,9/7,5/7,7/18,5/2,7/25, 6/27,8/9,8/8,12/26,6/26,6/28,7/16,6/22,7/5,8/6, 6/21,4/20
13959	TERRACE	Plant City	627	88	730	717	7	122.59	58.65	0	0	5/4,1/16,10/19
13304	SUN CITY	South Hillsborough	1,557	68	0	1,625	7	169.96	121.56	1	1	5/19,6/2,11/7,12/17
13587	D.MABRY	Western	2,060	115	0	2,175	7	192.24	41.53	0	0	1/18,8/30,11/1,9/4,8/30
14275	SLVRDOLR	Western	1,230	63	0	1,293	7	207.07	70.66	0	1	10/9,9/1,9/28,9/17
13696	BERKLEY	Winter Haven	1,356	185	2,920	1,549	7	121.48	67.54	1	1	10/25,6/11,7/2
13223	56TH ST	Central	218	209	4,656	437	6	95.30	57.15	0	0	11/29,7/18,2/28,5/18,2/25
13715	TAMPA PALMS	Central	1,102	123	0	1,225	6	116.31	62.82	0	0	5/14,8/6,12/14,11/14,8/13
13988	TROUT CREEK	Central	1,234	37	0	1,271	6	118.02	97.50	0	0	10/19,8/24,11/6,10/4,11/9
13365	U.S.F	Central	1,165	103	0	1,268	6	148.19	82.22	0	0	8/14,8/15,7/31,5/14,2/23
13006	FORT KING	Dade City	1,602	162	365	1,765	6	137.47	46.61	0	2	10/6,11/10,8/23,11/1,6/12,7/9,6/12,10/17,8/3, 7/5,6/4,9/6,8/6,10/8
13211	FAIRGROUNDS	Eastern	599	222	2,185	827	6	117.75	35.96	0	0	12/23,12/20
13130	S.SEFNER	Eastern	716	208	0	924	6	157.86	53.08	0	0	12/21,3/22,9/23,12/10,5/22
13388	KIRKLAND RD	Plant City	637	106	365	744	6	183.49	67.74	0	0	7/3,5/8
13241	WILSON	Plant City	1,197	245	730	1,444	6	158.51	24.35	0	0	
13898	1ST ST	South Hillsborough	1,897	117	1,460	2,018	6	144.25	36.01	0	1	4/10,4/29,1/9,3/2,5/24
13303	SUN CITY	South Hillsborough	1,734	343	1,460	2,081	6	176.79	80.66	1	1	2/2,7/23,6/4,7/5,9/5
13750	CASEY RD	Western	642	96	5,475	753	6	218.68	136.46	0	0	11/20,8/24,5/21,9/15
13448	CYPRESS ST	Western	544	47	0	591	6	109.17	22.05	0	0	12/9,1/6,12/14,12/3
13511	GEORGE ROAD	Western	699	66	365	766	6	219.62	98.44	0	0	7/13,9/22,9/7,12/24
13270	SKYWAY	Western	417	38	0	455	6	160.69	63.26	0	0	3/31,7/24,12/6,12/21

Form 102 – Part III – Actual

ANNUAL DISTRIBUTION RELIABILITY REPORT - 2018

Utility Name: Tampa Electric

SAIDI: System Average Interruption Duration Index
= Sum of All Customer Minutes Interrupted (CMI) / Total number of Customers Served (C)
83,503,505 / 775,102 = **107.73**

CAIDI: System Average Interruption Duration Index
= Sum of All Customer Minutes Interrupted (CMI) / Total number of Customer Interruptions (CI)
83,503,505 / 1,150,954 = **72.55**

SAIFI: System Average Interruption Frequency Index
= Total number of Customer Interruptions (CI) / Total number of Customers Served (C)
1,150,954 / 775,102 = **1.48**

MAIFIe: Momentary Average Interruption Event
= Sum of All Customer Momentary Interruption Events (CME) / Total number of Customers Served (C)
8,219,968 / 775,102 = **10.61**

L-Bar:
= Minutes of Interruption / Total number of Outages
2,541,961 / 14,197 = **179.05**

District	C	CMI	CI	CME	CEMI-5
Central	205,611	20,085,038	262,703	1,830,584	3,525
Dade City	14,954	2,862,963	38,537	242,259	1,334
Eastern	125,030	12,347,250	156,455	1,371,860	1,202
Plant City	62,131	8,456,722	127,967	992,893	3,351
South Hillsborough	84,636	9,197,188	142,039	1,043,526	3,163
Western	206,962	22,719,594	302,762	1,896,079	4,995
Winter Haven	75,778	7,834,750	120,491	842,767	2,271
System Total:	775,102	83,503,505	1,150,954	8,219,968	19,887

Form 102 – Part III continued – Actual

Service Reliability Indices - Actual					
Utility Name: Tampa Electric				Year: 2018	
District or Service Area (a)	**SAIDI**	**CAIDI**	**SAIFI**	**MAIFIe**	**CEMI-5%**
Central	97.88	76.46	1.28	8.90	1.71%
Dade City	191.45	74.29	2.58	16.20	8.92%
Eastern	98.75	78.92	1.25	10.97	0.96%
Plant City	136.11	66.09	2.06	15.98	5.39%
South Hillsborough	108.67	64.75	1.68	12.33	3.74%
Western	109.77	75.04	1.46	9.16	2.41%
Winter Haven	103.39	65.02	1.59	11.12	3.00%
System Total:	107.73	72.55	1.48	10.60	2.57%

Form PSC/ECR 102-3, Docket No. 011351-EI, Rule 25-6.0455(c)

Note: L-Bar and CAIDI are expressed in minutes

Appendix B)

Form PSC/ECR 102-1(b) (8/06)

Causes of Outage Events - Adjusted

Utility Name: Tampa Electric Year: 2018

Cause (a)	Number of Outages Events (N)	Average Duration (L-Bar)	Average Restoration Time (CAIDI)
1. Vegetation	2,108	200.05	95.94
2. Lightning	1,258	206.81	107.59
3. Animals	1,632	96.16	61.63
4. Electrical	1,113	187.05	77.35
5. Bad Connection	770	231.57	85.87
6. Unknown	972	133.72	49.61
7. Down Wire	611	150.67	64.90
8. Vehicle	401	214.87	77.70
All Remaining Causes	408	187.83	152.36
Total	11,103	179.74	80.31

Note: L-Bar and CAIDI are expressed in minutes.

Form 103 - PART II – Adjusted

FPSC Annual Report - 3 Percent Feeder List

Number of Customers												
Primary Circuit Id. No. or Name (a)	Substation Origin (b)	Location (c)	Residential (d)	Commercial (e)	Industrial (f)	Total (g)	Circuit Outages "N" (h)	Avg. Duration "L-Bar" (i)	CAIDI (j)	Listed Last Year? (k)	Years in the Last 5 (l)	Action Completion Date (n)
13201	GRAY ST	Western	850	44	0	894	11	55.30	46.54	No	0	4/7,11/27,1/3,11/28
13781	MILLER MAC	South Hillsborough	1,149	310	0	1,459	10	183.94	47.41	No	1	3/20,5/2,7/2,8/1,4/12
13840	FLORIDA AV	Central	1,855	157	0	2,012	8	186.63	28.33	No	0	2/16,8/13,7/23,11/30,2/8
13237	CALOOSA	South Hillsborough	2,213	123	0	2,336	8	117.69	50.01	No	0	3/23,10/20,10/30,12/21,10/22
14102	CROSSCRK	Central	1,853	119	0	1,972	7	226.55	95.73	No	0	7/2,3/2,9/16,4/11
13708	BUCKHORN	Eastern	1,247	200	0	1,447	7	115.59	79.69	No	0	12/25,4/29,9/30
13213	FAIRGROUNDS	Eastern	1,262	433	2,918	1,703	7	152.26	65.20	No	1	2/26,9/20,4/23,2/20,4/7,12/22
13169	MADISON AV	Eastern	1,336	173	365	1,510	7	134.07	54.52	No	0	12/30,6/21
13304	SUN CITY	South Hillsborough	1,557	68	0	1,625	7	155.31	97.23	Yes	2	5/19,6/2,11/17,12/17
13696	BERKLEY	Winter Haven	1,356	185	2,920	1,549	7	118.56	66.82	No	2	10/25,6/11,7/2
13223	56TH ST	Central	218	209	4,656	437	6	95.30	57.15	No	0	11/29,7/18,2/28,5/18,2/25
13715	TAMPA PALMS	Central	1,102	123	0	1,225	6	118.71	62.79	No	1	5/14,8/6,12/14,11/14,8/13
13988	TROUT CREEK	Central	1,234	37	0	1,271	6	126.30	97.52	No	0	10/19,8/24,11/6,10/4,11/9
13365	U.S.F	Central	1,165	103	0	1,268	6	169.06	82.22	No	0	8/14,8/15,7/31,5/14,2/23
13815	BLANTON	Dade City	541	103	0	644	6	151.61	38.65	No	2	1/5,1/19,10/6,7/16,4/9,8/6
13006	FORT KING	Dade City	1,602	162	365	1,765	6	138.51	46.36	No	2	10/6,11/10,8/23,11/1,6/12,7/9,6/12, 10/17,8/3,7/5,6/4,9/6,8/6,10/8
13211	FAIRGROUNDS	Eastern	599	222	2,185	827	6	117.75	35.96	No	0	12/23,12/20
13008	MULBERRY	Plant City	332	86	8,030	440	6	104.12	31.56	Yes	1	5/3,5/24,7/10,2/11,8/21,9/7,5/7,7/18, 5/2,7/18,7/25,6/27,8/9,8/8,12/26,6/26 6/28,7/16,6/22,7/5,8/6,6/21,4/20
13959	TERRACE	Plant City	627	88	730	717	6	123.63	73.40	No	0	5/4,1/16,10/19
13898	1ST ST	South Hillsborough	1,897	117	1,460	2,018	6	143.74	35.26	No	2	4/10,4/29,1/9,3/2,5/24
13303	SUN CITY	South Hillsborough	1,734	343	1,460	2,081	6	164.73	75.27	No	1	2/2,7/23,6/4,7/5,9/5
13750	CASEY RD	Western	642	96	5,475	753	6	225.49	136.84	No	0	11/20,8/24,5/21,9/15
13587	D.MABRY	Western	2,060	115	0	2,175	6	201.46	48.12	No	0	1/18,8/30,11/1,9/4,8/30
13511	GEORGE ROAD	Western	699	66	365	766	6	224.61	91.72	No	0	7/13,9/22,9/7,12/24
14275	SLVRDOLR	Western	1,230	63	0	1,293	6	214.62	83.69	No	0	10/9,9/1,9/17,10/8
13825	FOWLER	Central	1,360	170	0	1,530	5	257.78	82.00	No	0	7/18,7/6,8/13,10/3,1/4
13027	TEMP.TER	Central	988	52	0	1,040	5	216.69	123.98	No	0	10/19,9/2,8/19,8/8,8/23
13028	TEMP.TER	Central	1,855	137	0	1,992	5	154.79	63.15	No	0	6/13,6/1,7/18,5/18,12/5
13986	TROUT CREEK	Central	1,039	61	0	1,100	5	145.29	73.97	No	0	8/23,6/15,8/10,8/20,7/9
13103	YUKON	Central	644	73	0	717	5	90.98	31.56	No	1	12/18,5/15,9/15,11/12
13422	FORT KING	Dade City	1,279	138	0	1,417	5	142.73	98.30	Yes	3	10/17,3/16,5/10,5/11,3/9,3/135/10,11/29,4 /10,1/5
13454	LAKEWOOD	Eastern	1,552	136	1,095	1,691	5	183.29	66.78	Yes	1	6/6,6/19,5/9,2/7,5/11,10/4,4/23
13130	S.SEFNER	Eastern	716	208	0	924	5	162.84	71.57	No	0	12/21,3/22,9/23,12/10,5/22
13147	HOPEWELL	Plant City	1,455	108	1,095	1,566	5	140.03	32.90	No	1	5/25,1/31,10/8,2/13,6/4,10/8,8/17,10/4, 7/10,12/28,12/27,11/20,9/24,12/26,7/11,8/ 16
13011	MULBERRY	Plant City	1,610	68	2,289	1,685	5	126.21	60.03	No	1	4/24,6/22,5/7,4/4,4/20,4/16,4/2,6/5,1/2,5/7 ,4/24,4/6,4/20,6/6,4/25,3/27,5/7,4/2,6/6,4/ 20,5/1,4/16,4/20,4/25,4/4,4/13,4/3,6/5,4/2 0,1/25,6/13,4/4,6/13,5/2,4/24,4/30,5/1
14050	POLK POWER	Plant City	371	79	1,890	455	5	162.72	39.45	No	0	12/12,6/19,5/7,7/5,6/13,7/10,7/26,4/4
13191	DBL.BRCH	Western	495	332	3,281	836	5	164.63	82.09	No	0	9/20,5/24,5/18,1/5,12/7
13270	SKYWAY	Western	417	38	0	455	5	93.40	63.76	No	0	3/31,7/24,12/6,12/21
13279	ARIANA	Winter Haven	878	264	2,190	1,148	5	114.93	92.71	No	0	1/19,9/10
13924	LAKE GUM	Winter Haven	461	111	1,825	577	5	114.75	73.95	No	0	4/5,5/2
13770	LAKE JULIANA	Winter Haven	1,833	59	0	1,892	5	183.51	135.12	No	0	9/13

Form 103 - PART III – Adjusted

PART III
ANNUAL DISTRIBUTION RELIABILITY REPORT - 2018
Utility Name: Tampa Electric

SAIDI: System Average Interruption Duration Index
= Sum of All Customer Minutes Interrupted (CMI) / Total number of Customers Served (C) = 73,404,999 / 775,102 = **94.70**

CAIDI: System Average Interruption Duration Index
= Sum of All Customer Minutes Interrupted (CMI) / Total number of Customer Interruptions (CI) = 73,404,999 / 913,969 = **80.31**

SAIFI: System Average Interruption Frequency Index
= Total number of Customer Interruptions (CI) / Total number of Customers Served (C) = 913,969 / 775,102 = **1.18**

MAIFIe: Momentary Average Interruption Event
= Sum of All Customer Momentary Interruption Events (CME) / Total number of Customers Served (C) = 7,464,283 / 775,102 = **9.63**

L-Bar:
= Minutes of Interruption / Total number of Outages = 1,995,612 / 11,103 = **179.74**

District	C	CMI	CI	CME	CEMI-5
Central	205,611	17,851,016	214,346	1,660,957	2,906
Dade City	14,954	2,519,019	29,570	220,647	707
Eastern	125,030	10,663,562	124,506	1,269,242	959
Plant City	62,131	6,972,518	96,444	914,751	685
South Hillsborough	84,636	8,363,624	121,237	935,531	2,479
Western	206,962	20,010,032	231,723	1,709,361	2,473
Winter Haven	75,778	7,025,228	96,143	753,794	1,693
System Total:	775,102	73,404,999	913,969	7,464,283	11,971

Form 103 Part III continued Adjusted

Service Reliability Indices - Adjusted					
Utility Name: Tampa Electric				Year: 2018	
District or Service Area (a)	**SAIDI** (b)	**CAIDI** (c)	**SAIFI** (d)	**MAIFIe** (e)	**CEMI-5%** (f)
Central	86.82	83.28	1.04	8.08	1.41%
Dade City	168.45	85.19	1.98	14.76	4.73%
Eastern	85.29	85.65	1.00	10.15	0.77%
Plant City	112.22	72.30	1.55	14.72	1.10%
South Hillsborough	98.82	68.99	1.43	11.05	2.93%
Western	96.68	86.35	1.12	8.26	1.19%
Winter Haven	92.71	73.07	1.27	9.95	2.23%
System Total:	94.70	80.31	1.18	9.63	1.54%

Form PSC/ECR 102-3, Docket No. 011351-EI, Rule 25-6.0455(c)

Note: L-Bar and CAIDI are expressed in minutes

Actual Data: CMI, CI and Documented Exclusions

2018	CMI		CI	
	Value	% of Actual	Value	% of Actual
Reported Actual Data	92,805,642	100.00%	1,398,802	100.00%
Documented Exclusions				
Planned Service Interruptions	9,895,225	10.66%	234,069	16.73%
Named Storm	0.00	0.00%	0.00	0.00%
Tornadoes	0.00	0.00%	0.00	0.00%
Ice on Lines	0.00	0.00%	0.00	0.00%
Planned Load Management Events	0.00	0.00%	0.00	0.00%
Generation/Transmission Events	9,505,418	10.24%	250,764	17.93%
Extreme Weather (EOC Activation/Fire)	0.00	0.00%	0.00	0.00%
Reported Adjusted Data	73,404,999	79.10%	913,969	65.34%

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
Circuit Out	PLANNED OUTAGE	01/01/2018 01:40:59	19,622.33	2738
OH Other	PLANNED OUTAGE	01/01/2018 09:10:44	39.15	1
OH Other	PLANNED OUTAGE	01/01/2018 20:52:26	365.08	13
UG Other	PLANNED OUTAGE	01/02/2018 05:54:14	1,353.10	14
OH Other	PLANNED OUTAGE	01/02/2018 07:35:44	3,015.30	9
OH Other	PLANNED OUTAGE	01/02/2018 08:53:25	1,115.25	3
UG Other	PLANNED OUTAGE	01/02/2018 09:24:49	1,398.37	7
URD Outage	PLANNED OUTAGE	01/02/2018 10:11:25	101.83	2
OH Other	PLANNED OUTAGE	01/02/2018 11:21:08	177.00	6
OH Other	PLANNED OUTAGE	01/02/2018 11:36:49	3,374.25	15
OH Other	PLANNED OUTAGE	01/02/2018 11:40:05	1,894.05	9
OH Other	PLANNED OUTAGE	01/02/2018 12:19:19	1,237.80	6
OH Other	PLANNED OUTAGE	01/02/2018 12:37:00	545.58	5
OH Other	PLANNED OUTAGE	01/02/2018 12:49:21	504.35	3
OH Other	PLANNED OUTAGE	01/02/2018 13:37:58	1,068.17	17
OH Other	PLANNED OUTAGE	01/02/2018 15:52:09	808.17	13
OH Other	PLANNED OUTAGE	01/03/2018 00:42:15	1,724.00	16
UG Other	PLANNED OUTAGE	01/03/2018 07:47:49	670.60	28
URD Outage	PLANNED OUTAGE	01/03/2018 09:34:09	83.73	1
OH Other	PLANNED OUTAGE	01/03/2018 10:52:59	3,776.75	15
OH Other	PLANNED OUTAGE	01/03/2018 12:52:19	271.67	4
PLF	PLANNED OUTAGE	01/03/2018 13:04:34	7,411.10	111
TX Repaired (OH)	PLANNED OUTAGE	01/03/2018 14:37:31	398.08	5
OH Other	PLANNED OUTAGE	01/03/2018 15:07:40	674.00	6
OH Other	PLANNED OUTAGE	01/03/2018 20:37:00	351.63	14
OH Other	PLANNED OUTAGE	01/04/2018 07:46:14	43.12	1
OH Other	PLANNED OUTAGE	01/04/2018 09:29:12	1,440.67	8
OH Other	PLANNED OUTAGE	01/04/2018 09:40:25	737.73	2
OH Other	PLANNED OUTAGE	01/04/2018 09:49:53	10,960.80	24
OH Other	PLANNED OUTAGE	01/04/2018 09:50:47	6,282.75	15
URD Outage	PLANNED OUTAGE	01/04/2018 10:12:39	444.75	9
OH Other	PLANNED OUTAGE	01/04/2018 10:27:55	1,284.17	10
OH Other	PLANNED OUTAGE	01/04/2018 12:32:02	255.23	2
OH Other	PLANNED OUTAGE	01/04/2018 14:37:12	459.40	4
OH Other	PLANNED OUTAGE	01/04/2018 21:18:53	234.93	8
OH Other	PLANNED OUTAGE	01/04/2018 21:26:47	265.73	8
OH Other	PLANNED OUTAGE	01/04/2018 23:30:40	1,071.00	10
OH Other	PLANNED OUTAGE	01/05/2018 00:52:56	236.93	8
OH Other	PLANNED OUTAGE	01/05/2018 06:43:31	16,222.68	349
UG Other	PLANNED OUTAGE	01/05/2018 08:47:39	250.20	6
OH Other	PLANNED OUTAGE	01/05/2018 09:16:06	1,425.80	4
OH Other	PLANNED OUTAGE	01/05/2018 09:35:48	78.63	1
URD Outage	PLANNED OUTAGE	01/05/2018 09:36:23	621.00	9
OH Other	PLANNED OUTAGE	01/05/2018 09:45:27	1,793.40	7
UG Other	PLANNED OUTAGE	01/05/2018 09:55:58	661.50	15
OH Other	PLANNED OUTAGE	01/05/2018 10:19:05	75.62	1
UG Other	PLANNED OUTAGE	01/05/2018 10:45:21	613.50	15
OH Other	PLANNED OUTAGE	01/05/2018 10:46:26	1,012.53	8
OH Other	PLANNED OUTAGE	01/05/2018 11:59:11	128.63	1
Circuit Out	PLANNED OUTAGE	01/05/2018 20:53:06	2,700.70	717
UG Other	PLANNED OUTAGE	01/07/2018 07:56:47	7,821.58	47

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	01/07/2018 11:03:32	1,957.00	30
OH Other	PLANNED OUTAGE	01/07/2018 12:11:27	165.00	11
OH Other	PLANNED OUTAGE	01/08/2018 08:27:58	2,135.35	7
OH Other	PLANNED OUTAGE	01/08/2018 08:58:09	2,267.70	6
OH Other	PLANNED OUTAGE	01/08/2018 09:06:39	2,938.40	8
UG Other	PLANNED OUTAGE	01/08/2018 09:55:10	447.80	6
UG Other	PLANNED OUTAGE	01/08/2018 09:55:10	1,004.93	8
UG Other	PLANNED OUTAGE	01/08/2018 09:55:10	1,004.93	8
OH Other	PLANNED OUTAGE	01/08/2018 10:11:12	1,855.83	5
UG Other	PLANNED OUTAGE	01/08/2018 10:19:29	590.47	17
UG Other	PLANNED OUTAGE	01/08/2018 10:23:09	190.58	5
OH Other	PLANNED OUTAGE	01/08/2018 10:31:53	2,086.27	8
UG Other	PLANNED OUTAGE	01/08/2018 10:36:10	287.90	6
OH Other	PLANNED OUTAGE	01/08/2018 10:45:38	460.33	5
OH Other	PLANNED OUTAGE	01/08/2018 10:48:00	1,510.75	5
OH Other	PLANNED OUTAGE	01/08/2018 10:59:14	1,789.80	18
OH Other	PLANNED OUTAGE	01/08/2018 11:30:33	36.45	1
UG Other	PLANNED OUTAGE	01/08/2018 12:09:46	143.17	5
UG Other	PLANNED OUTAGE	01/08/2018 12:09:46	309.33	5
UG Other	PLANNED OUTAGE	01/08/2018 12:09:46	309.33	5
UG Other	PLANNED OUTAGE	01/08/2018 12:32:58	257.08	5
UG Other	PLANNED OUTAGE	01/08/2018 12:32:58	449.80	6
UG Other	PLANNED OUTAGE	01/08/2018 12:32:58	449.80	6
TX Repaired (PM)	PLANNED OUTAGE	01/08/2018 13:00:38	46.08	1
OH Other	PLANNED OUTAGE	01/08/2018 14:57:09	598.33	20
OH Other	PLANNED OUTAGE	01/09/2018 08:43:27	1,844.30	6
OH Other	PLANNED OUTAGE	01/09/2018 08:50:02	6,785.22	19
OH Other	PLANNED OUTAGE	01/09/2018 09:00:26	6,519.33	10
OH Other	PLANNED OUTAGE	01/09/2018 09:16:40	3,162.50	10
OH Other	PLANNED OUTAGE	01/09/2018 09:52:45	3,747.25	13
OH Other	PLANNED OUTAGE	01/09/2018 09:59:29	1,831.80	6
URD Outage	PLANNED OUTAGE	01/09/2018 10:29:36	291.93	4
OH Other	PLANNED OUTAGE	01/09/2018 10:38:49	444.27	17
URD Outage	PLANNED OUTAGE	01/09/2018 11:12:36	421.95	9
OH Other	PLANNED OUTAGE	01/09/2018 11:36:08	3,783.53	29
URD Outage	PLANNED OUTAGE	01/09/2018 12:28:17	295.83	1
OH Other	PLANNED OUTAGE	01/09/2018 12:34:53	392.75	3
OH Other	PLANNED OUTAGE	01/09/2018 13:07:18	1,100.92	5
URD Outage	PLANNED OUTAGE	01/09/2018 13:29:17	436.65	9
OH Other	PLANNED OUTAGE	01/09/2018 13:54:44	1,093.63	7
OH Other	PLANNED OUTAGE	01/09/2018 13:55:03	468.25	3
OH Other	PLANNED OUTAGE	01/10/2018 08:59:23	1,664.40	6
OH Other	PLANNED OUTAGE	01/10/2018 08:59:39	2,784.83	10
UG Other	PLANNED OUTAGE	01/10/2018 09:14:08	1,354.67	16
OH Other	PLANNED OUTAGE	01/10/2018 09:49:50	7,421.20	24
OH Other	PLANNED OUTAGE	01/10/2018 09:52:18	1,464.87	14
OH Other	PLANNED OUTAGE	01/10/2018 10:31:54	29.30	1
OH Other	PLANNED OUTAGE	01/10/2018 10:39:21	111.35	1
OH Other	PLANNED OUTAGE	01/10/2018 11:22:43	1,964.00	8
OH Other	PLANNED OUTAGE	01/10/2018 11:31:08	2,270.40	8

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	01/10/2018 11:38:07	36.73	1
OH Other	PLANNED OUTAGE	01/10/2018 13:35:00	1,337.53	4
URD Outage	PLANNED OUTAGE	01/10/2018 17:39:20	1,157.40	4
PLF	PLANNED OUTAGE	01/10/2018 19:50:49	1,177.75	5
OH Other	PLANNED OUTAGE	01/11/2018 08:22:42	2,297.90	6
OH Other	PLANNED OUTAGE	01/11/2018 09:07:23	920.25	3
OH Other	PLANNED OUTAGE	01/11/2018 09:08:09	1,845.50	6
UG Other	PLANNED OUTAGE	01/11/2018 09:20:41	448.08	5
UG Other	PLANNED OUTAGE	01/11/2018 09:45:25	498.67	1
OH Other	PLANNED OUTAGE	01/11/2018 09:56:40	330.37	1
OH Other	PLANNED OUTAGE	01/11/2018 10:05:24	2,879.50	10
UG Other	PLANNED OUTAGE	01/11/2018 10:25:42	889.80	12
PLF	PLANNED OUTAGE	01/11/2018 18:35:54	2,936.13	61
OH Other	PLANNED OUTAGE	01/11/2018 20:16:03	527.40	12
OH Other	PLANNED OUTAGE	01/11/2018 22:30:49	54.30	3
Circuit Out	PLANNED OUTAGE	01/12/2018 05:56:59	7,946.62	1201
PLF	PLANNED OUTAGE	01/12/2018 08:28:48	775.53	2
PLF	PLANNED OUTAGE	01/12/2018 09:18:15	672.80	24
OH Other	PLANNED OUTAGE	01/12/2018 09:23:33	3,152.50	6
OH Other	PLANNED OUTAGE	01/12/2018 09:23:40	1,577.90	3
OH Other	PLANNED OUTAGE	01/12/2018 09:23:47	4,216.40	8
OH Other	PLANNED OUTAGE	01/12/2018 10:35:01	523.80	12
OH Other	PLANNED OUTAGE	01/12/2018 12:41:48	78.85	1
Pole	PLANNED OUTAGE	01/12/2018 12:59:50	191.22	1
OH Other	PLANNED OUTAGE	01/12/2018 19:45:44	1,834.80	12
OH Other	PLANNED OUTAGE	01/13/2018 08:35:29	91.20	1
OH Other	PLANNED OUTAGE	01/15/2018 08:17:29	2,015.07	14
OH Other	PLANNED OUTAGE	01/15/2018 09:39:48	363.15	1
OH Other	PLANNED OUTAGE	01/15/2018 10:04:04	1,953.12	7
PLF	PLANNED OUTAGE	01/15/2018 10:13:44	230.00	1
OH Other	PLANNED OUTAGE	01/15/2018 10:16:07	406.07	2
OH Other	PLANNED OUTAGE	01/15/2018 13:25:09	606.33	5
OH Other	PLANNED OUTAGE	01/15/2018 13:26:58	373.65	3
OH Other	PLANNED OUTAGE	01/15/2018 14:49:00	303.00	3
OH Other	PLANNED OUTAGE	01/15/2018 15:51:19	597.33	10
URD Outage	PLANNED OUTAGE	01/16/2018 08:24:29	82.22	1
OH Other	PLANNED OUTAGE	01/16/2018 08:39:00	730.80	6
OH Other	PLANNED OUTAGE	01/16/2018 09:34:24	2,422.67	8
URD Outage	PLANNED OUTAGE	01/16/2018 09:59:23	293.60	6
OH Other	PLANNED OUTAGE	01/16/2018 10:03:55	2,245.37	7
URD Outage	PLANNED OUTAGE	01/16/2018 10:17:27	87.50	5
URD Outage	PLANNED OUTAGE	01/16/2018 10:19:11	90.13	2
URD Outage	PLANNED OUTAGE	01/16/2018 10:46:25	294.20	4
URD Outage	PLANNED OUTAGE	01/16/2018 10:46:50	824.40	27
OH Other	PLANNED OUTAGE	01/16/2018 10:55:40	2,588.48	7
URD Outage	PLANNED OUTAGE	01/16/2018 11:06:38	230.13	2
URD Outage	PLANNED OUTAGE	01/16/2018 11:14:54	299.38	1
OH Other	PLANNED OUTAGE	01/16/2018 12:30:45	1,201.07	16
OH Other	PLANNED OUTAGE	01/16/2018 12:44:55	947.10	9
URD Outage	PLANNED OUTAGE	01/16/2018 13:04:20	352.58	5
URD Outage	PLANNED OUTAGE	01/16/2018 13:04:20	2,336.37	19
OH Other	PLANNED OUTAGE	01/16/2018 13:35:37	356.87	2

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	01/16/2018 13:48:36	291.63	2
URD Outage	PLANNED OUTAGE	01/16/2018 14:22:37	301.23	7
URD Outage	PLANNED OUTAGE	01/16/2018 17:03:31	469.00	14
OH Other	PLANNED OUTAGE	01/17/2018 09:02:36	2,629.78	7
OH Other	PLANNED OUTAGE	01/17/2018 09:05:14	969.50	7
URD Outage	PLANNED OUTAGE	01/17/2018 09:07:10	778.40	14
URD Outage	PLANNED OUTAGE	01/17/2018 09:09:06	1,800.87	14
URD Outage	PLANNED OUTAGE	01/17/2018 09:11:30	333.52	1
OH Other	PLANNED OUTAGE	01/17/2018 09:58:37	1,807.83	5
OH Other	PLANNED OUTAGE	01/17/2018 10:04:01	1,072.80	3
OH Other	PLANNED OUTAGE	01/17/2018 10:08:26	595.27	4
OH Other	PLANNED OUTAGE	01/17/2018 10:29:00	513.00	10
OH Other	PLANNED OUTAGE	01/17/2018 11:37:53	215.33	2
OH Other	PLANNED OUTAGE	01/17/2018 11:44:06	272.33	2
UG Other	PLANNED OUTAGE	01/17/2018 13:16:00	824.63	11
URD Outage	PLANNED OUTAGE	01/17/2018 13:36:43	278.02	7
OH Other	PLANNED OUTAGE	01/17/2018 13:50:32	675.27	4
OH Other	PLANNED OUTAGE	01/17/2018 13:54:37	923.60	3
UG Other	PLANNED OUTAGE	01/17/2018 14:35:33	1,923.33	25
URD Outage	PLANNED OUTAGE	01/17/2018 15:53:10	185.20	24
URD Outage	PLANNED OUTAGE	01/17/2018 15:53:10	1,366.67	25
OH Other	PLANNED OUTAGE	01/17/2018 23:05:54	9,802.58	79
Circuit Out	PLANNED OUTAGE	01/18/2018 05:36:42	23,484.07	1027
OH Other	PLANNED OUTAGE	01/18/2018 09:02:14	1,789.40	6
OH Other	PLANNED OUTAGE	01/18/2018 09:04:34	459.20	4
OH Other	PLANNED OUTAGE	01/18/2018 09:10:11	2,961.35	7
UG Other	PLANNED OUTAGE	01/18/2018 10:06:13	3,317.00	60
OH Other	PLANNED OUTAGE	01/18/2018 10:07:24	883.33	4
PLF	PLANNED OUTAGE	01/18/2018 10:31:09	9,606.40	128
OH Other	PLANNED OUTAGE	01/18/2018 12:05:43	205.37	2
OH Other	PLANNED OUTAGE	01/18/2018 12:21:02	345.23	2
OH Other	PLANNED OUTAGE	01/18/2018 12:48:32	1,017.68	7
UG Other	PLANNED OUTAGE	01/18/2018 13:15:38	811.87	8
URD Outage	PLANNED OUTAGE	01/18/2018 13:28:03	97.42	5
OH Other	PLANNED OUTAGE	01/18/2018 20:39:48	422.47	4
OH Other	PLANNED OUTAGE	01/19/2018 09:23:50	213.63	1
URD Outage	PLANNED OUTAGE	01/19/2018 09:33:04	429.83	10
OH Other	PLANNED OUTAGE	01/19/2018 09:58:16	432.13	7
OH Other	PLANNED OUTAGE	01/19/2018 10:02:09	904.80	3
OH Other	PLANNED OUTAGE	01/19/2018 10:42:25	761.80	3
UG Other	PLANNED OUTAGE	01/19/2018 11:05:41	688.50	9
OH Other	PLANNED OUTAGE	01/20/2018 08:08:42	895.07	8
PLF	PLANNED OUTAGE	01/20/2018 21:14:35	371.75	1
OH Other	PLANNED OUTAGE	01/22/2018 09:10:19	3,812.53	8
OH Other	PLANNED OUTAGE	01/22/2018 09:16:05	1,357.55	3
OH Other	PLANNED OUTAGE	01/22/2018 09:31:55	508.40	6
OH Other	PLANNED OUTAGE	01/22/2018 09:58:40	2,134.75	5
OH Other	PLANNED OUTAGE	01/22/2018 10:00:14	2,570.98	7
UG Other	PLANNED OUTAGE	01/22/2018 10:13:07	2,227.43	19
UG Other	PLANNED OUTAGE	01/22/2018 10:13:07	865.45	19
OH Other	PLANNED OUTAGE	01/22/2018 11:04:09	1,341.82	13
OH Other	PLANNED OUTAGE	01/22/2018 11:24:14	67.75	1

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	01/22/2018 11:27:44	1,121.90	13
OH Other	PLANNED OUTAGE	01/22/2018 11:41:43	154.68	1
OH Other	PLANNED OUTAGE	01/22/2018 11:42:01	2,472.00	16
UG Other	PLANNED OUTAGE	01/22/2018 11:48:52	832.87	13
OH Other	PLANNED OUTAGE	01/22/2018 12:51:49	2,037.83	10
OH Other	PLANNED OUTAGE	01/22/2018 14:02:13	1,091.90	6
OH Other	PLANNED OUTAGE	01/22/2018 14:02:35	1,459.07	8
OH Other	PLANNED OUTAGE	01/22/2018 14:48:03	1,611.00	15
OH Other	PLANNED OUTAGE	01/22/2018 14:48:39	1,411.80	13
OH Other	PLANNED OUTAGE	01/23/2018 08:43:46	1,688.20	12
OH Other	PLANNED OUTAGE	01/23/2018 08:56:22	920.70	9
OH Other	PLANNED OUTAGE	01/23/2018 09:14:48	66.58	1
UG Other	PLANNED OUTAGE	01/23/2018 09:34:55	195.00	1
URD Outage	PLANNED OUTAGE	01/23/2018 10:02:55	1,165.20	18
URD Outage	PLANNED OUTAGE	01/23/2018 10:02:55	4,906.03	53
OH Other	PLANNED OUTAGE	01/23/2018 10:22:34	1,402.60	6
OH Other	PLANNED OUTAGE	01/23/2018 10:41:08	1,671.00	15
OH Other	PLANNED OUTAGE	01/23/2018 10:56:39	185.20	1
OH Other	PLANNED OUTAGE	01/23/2018 11:28:51	504.80	8
OH Other	PLANNED OUTAGE	01/23/2018 12:44:21	1,375.40	13
Circuit Out	PLANNED OUTAGE	01/23/2018 12:45:19	3,090.27	154
OH Other	PLANNED OUTAGE	01/23/2018 13:16:52	464.70	9
URD Outage	PLANNED OUTAGE	01/24/2018 06:10:13	6,996.90	9
OH Other	PLANNED OUTAGE	01/24/2018 08:27:12	5,418.60	9
OH Other	PLANNED OUTAGE	01/24/2018 09:15:15	183.80	4
OH Other	PLANNED OUTAGE	01/24/2018 10:30:56	343.85	3
OH Other	PLANNED OUTAGE	01/24/2018 10:31:35	2,023.02	13
OH Other	PLANNED OUTAGE	01/24/2018 12:54:44	1,672.08	5
OH Other	PLANNED OUTAGE	01/24/2018 13:30:42	298.67	1
OH Other	PLANNED OUTAGE	01/24/2018 14:03:07	315.88	11
OH Other	PLANNED OUTAGE	01/24/2018 14:19:35	174.42	5
URD Outage	PLANNED OUTAGE	01/24/2018 14:22:01	1,134.80	24
OH Other	PLANNED OUTAGE	01/25/2018 07:49:57	1,751.50	5
OH Other	PLANNED OUTAGE	01/25/2018 08:19:50	1,028.13	8
OH Other	PLANNED OUTAGE	01/25/2018 08:38:19	672.40	6
OH Other	PLANNED OUTAGE	01/25/2018 09:29:46	2,159.80	3
OH Other	PLANNED OUTAGE	01/25/2018 09:30:03	1,438.00	4
OH Other	PLANNED OUTAGE	01/25/2018 10:04:40	1,338.45	9
OH Other	PLANNED OUTAGE	01/25/2018 10:04:52	1,491.67	10
OH Other	PLANNED OUTAGE	01/25/2018 10:17:40	6,049.20	9
OH Other	PLANNED OUTAGE	01/25/2018 10:36:33	1,306.67	2
OH Other	PLANNED OUTAGE	01/25/2018 11:43:54	655.93	4
URD Outage	PLANNED OUTAGE	01/25/2018 12:45:32	1,664.17	50
OH Other	PLANNED OUTAGE	01/26/2018 09:18:49	11,771.93	188
OH Other	PLANNED OUTAGE	01/26/2018 09:26:03	1,011.73	7
OH Other	PLANNED OUTAGE	01/26/2018 09:26:27	709.40	3
OH Other	PLANNED OUTAGE	01/26/2018 10:28:25	2,861.87	64
OH Other	PLANNED OUTAGE	01/26/2018 11:59:41	119.17	5
OH Other	PLANNED OUTAGE	01/26/2018 13:13:09	546.52	11
URD Outage	PLANNED OUTAGE	01/27/2018 09:43:17	473.33	1
URD Outage	PLANNED OUTAGE	01/27/2018 09:52:49	450.53	1
URD Outage	PLANNED OUTAGE	01/27/2018 20:33:42	445.22	1

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	01/28/2018 19:00:44	14,953.20	72
OH Other	PLANNED OUTAGE	01/28/2018 19:18:50	2,726.25	15
OH Other	PLANNED OUTAGE	01/29/2018 08:12:13	836.20	3
OH Other	PLANNED OUTAGE	01/29/2018 08:24:10	587.80	4
OH Other	PLANNED OUTAGE	01/29/2018 10:00:08	730.27	4
OH Other	PLANNED OUTAGE	01/29/2018 10:40:18	494.73	2
UG Other	PLANNED OUTAGE	01/29/2018 10:46:08	611.25	9
Oil Switch	PLANNED OUTAGE	01/29/2018 11:15:15	286.65	1
UG Other	PLANNED OUTAGE	01/29/2018 12:00:09	180.07	4
OH Other	PLANNED OUTAGE	01/29/2018 12:03:45	587.83	1
UG Other	PLANNED OUTAGE	01/29/2018 12:04:28	274.60	12
OH Other	PLANNED OUTAGE	01/29/2018 13:01:56	383.93	2
UG Other	PLANNED OUTAGE	01/29/2018 13:29:31	1,357.33	16
OH Other	PLANNED OUTAGE	01/29/2018 13:49:49	577.07	4
OH Other	PLANNED OUTAGE	01/29/2018 22:31:50	36.63	1
OH Other	PLANNED OUTAGE	01/30/2018 09:46:42	1,331.73	4
OH Other	PLANNED OUTAGE	01/30/2018 09:55:17	645.73	4
OH Other	PLANNED OUTAGE	01/30/2018 09:57:05	206.37	2
OH Other	PLANNED OUTAGE	01/30/2018 10:10:57	1,029.12	7
OH Other	PLANNED OUTAGE	01/30/2018 10:12:04	1,362.55	7
OH Other	PLANNED OUTAGE	01/30/2018 10:12:26	373.63	1
OH Other	PLANNED OUTAGE	01/30/2018 12:36:46	3,219.77	14
OH Other	PLANNED OUTAGE	01/30/2018 14:11:49	93.58	5
URD Outage	PLANNED OUTAGE	01/30/2018 14:15:38	208.07	1
OH Other	PLANNED OUTAGE	01/31/2018 09:09:30	223.48	1
OH Other	PLANNED OUTAGE	01/31/2018 09:10:18	1,086.00	5
URD Outage	PLANNED OUTAGE	01/31/2018 09:11:03	1,501.20	36
OH Other	PLANNED OUTAGE	01/31/2018 09:34:03	1,593.20	8
OH Other	PLANNED OUTAGE	01/31/2018 09:35:22	1,950.00	12
OH Other	PLANNED OUTAGE	01/31/2018 09:48:23	305.92	1
URD Outage	PLANNED OUTAGE	01/31/2018 09:50:06	2,329.80	12
OH Other	PLANNED OUTAGE	01/31/2018 10:21:33	601.58	5
OH Other	PLANNED OUTAGE	01/31/2018 12:19:07	636.83	5
OH Other	PLANNED OUTAGE	01/31/2018 12:47:03	1,789.43	14
UG Other	PLANNED OUTAGE	01/31/2018 13:02:55	30.20	1
URD Outage	PLANNED OUTAGE	01/31/2018 15:06:45	3,072.55	29
OH Other	PLANNED OUTAGE	02/01/2018 09:10:17	3,629.50	10
URD Outage	PLANNED OUTAGE	02/01/2018 09:14:05	332.17	5
URD Outage	PLANNED OUTAGE	02/01/2018 09:20:46	4,255.67	34
URD Outage	PLANNED OUTAGE	02/01/2018 09:25:03	1,946.10	117
OH Other	PLANNED OUTAGE	02/01/2018 09:37:36	359.20	8
OH Other	PLANNED OUTAGE	02/01/2018 09:40:06	2,177.82	7
URD Outage	PLANNED OUTAGE	02/01/2018 10:02:36	21,499.47	37
URD Outage	PLANNED OUTAGE	02/01/2018 10:02:36	7,096.00	40
URD Outage	PLANNED OUTAGE	02/01/2018 10:02:36	1,417.33	2
URD Outage	PLANNED OUTAGE	02/01/2018 10:03:36	607.43	2
URD Outage	PLANNED OUTAGE	02/01/2018 10:03:36	384.27	4
URD Outage	PLANNED OUTAGE	02/01/2018 10:03:36	640.60	4
URD Outage	PLANNED OUTAGE	02/01/2018 10:03:36	843.67	4
URD Outage	PLANNED OUTAGE	02/01/2018 10:03:36	977.27	4
URD Outage	PLANNED OUTAGE	02/01/2018 10:03:36	1,228.47	4
URD Outage	PLANNED OUTAGE	02/01/2018 10:03:36	1,795.70	6

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
URD Outage	PLANNED OUTAGE	02/01/2018 10:03:36	2,394.27	8
OH Other	PLANNED OUTAGE	02/01/2018 10:10:01	871.40	4
OH Other	PLANNED OUTAGE	02/01/2018 10:13:17	1,690.38	7
OH Other	PLANNED OUTAGE	02/01/2018 10:26:55	1,992.55	7
URD Outage	PLANNED OUTAGE	02/01/2018 11:24:33	60.65	1
URD Outage	PLANNED OUTAGE	02/01/2018 12:35:25	54.80	1
OH Other	PLANNED OUTAGE	02/01/2018 13:38:34	481.42	5
OH Other	PLANNED OUTAGE	02/01/2018 13:38:46	688.10	7
OH Other	PLANNED OUTAGE	02/01/2018 13:38:55	687.98	7
OH Other	PLANNED OUTAGE	02/01/2018 14:05:00	95.75	5
OH Other	PLANNED OUTAGE	02/01/2018 15:17:15	1,092.30	6
OH Other	PLANNED OUTAGE	02/01/2018 15:19:03	155.63	7
OH Other	PLANNED OUTAGE	02/01/2018 15:28:56	688.40	3
URD Outage	PLANNED OUTAGE	02/01/2018 16:00:01	10,724.80	48
OH Other	PLANNED OUTAGE	02/01/2018 18:18:38	116.37	2
OH Other	PLANNED OUTAGE	02/01/2018 20:54:12	82.05	1
URD Outage	PLANNED OUTAGE	02/02/2018 09:46:56	346.80	2
URD Outage	PLANNED OUTAGE	02/02/2018 09:55:18	888.33	10
URD Outage	PLANNED OUTAGE	02/02/2018 09:55:18	1,191.00	10
Circuit Out	PLANNED OUTAGE	02/02/2018 11:07:40	28,566.40	1808
OH Other	PLANNED OUTAGE	02/03/2018 08:21:45	103.38	1
URD Outage	PLANNED OUTAGE	02/03/2018 08:49:17	221.67	1
OH Other	PLANNED OUTAGE	02/03/2018 09:08:21	1,451.73	8
Circuit Out	PLANNED OUTAGE	02/04/2018 21:28:24	18,130.60	1614
OH Other	PLANNED OUTAGE	02/05/2018 06:33:18	733.07	4
PLF	PLANNED OUTAGE	02/05/2018 08:16:38	17,561.43	37
PLF	PLANNED OUTAGE	02/05/2018 08:35:29	107.53	2
URD Outage	PLANNED OUTAGE	02/05/2018 09:54:33	3,209.07	11
OH Other	PLANNED OUTAGE	02/05/2018 09:55:07	1,525.67	5
OH Other	PLANNED OUTAGE	02/05/2018 10:58:07	1,965.67	10
UG Other	PLANNED OUTAGE	02/05/2018 11:06:04	50.37	2
OH Other	PLANNED OUTAGE	02/05/2018 11:53:09	1,681.17	7
UG Other	PLANNED OUTAGE	02/05/2018 13:03:23	1,235.10	9
OH Other	PLANNED OUTAGE	02/05/2018 13:46:35	429.40	6
OH Other	PLANNED OUTAGE	02/05/2018 13:50:34	2,350.20	9
OH Other	PLANNED OUTAGE	02/06/2018 07:12:27	58.13	1
OH Other	PLANNED OUTAGE	02/06/2018 08:20:32	9,025.20	24
URD Outage	PLANNED OUTAGE	02/06/2018 08:23:27	419.60	8
OH Other	PLANNED OUTAGE	02/06/2018 09:01:50	1,893.08	5
OH Other	PLANNED OUTAGE	02/06/2018 09:32:04	449.70	3
OH Other	PLANNED OUTAGE	02/06/2018 09:37:25	1,162.92	5
UG Other	PLANNED OUTAGE	02/06/2018 09:49:39	866.70	6
URD Outage	PLANNED OUTAGE	02/06/2018 09:55:03	780.27	14
OH Other	PLANNED OUTAGE	02/06/2018 09:57:47	306.68	1
URD Outage	PLANNED OUTAGE	02/06/2018 10:13:15	1,719.47	13
URD Outage	PLANNED OUTAGE	02/06/2018 10:15:19	262.90	6
OH Other	PLANNED OUTAGE	02/06/2018 10:38:05	992.17	5
OH Other	PLANNED OUTAGE	02/06/2018 10:52:00	764.40	4
OH Other	PLANNED OUTAGE	02/06/2018 10:59:58	540.20	6
OH Other	PLANNED OUTAGE	02/06/2018 11:59:17	901.80	12
OH Other	PLANNED OUTAGE	02/06/2018 12:11:28	2,412.48	11
OH Other	PLANNED OUTAGE	02/06/2018 13:29:00	78.05	1

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	02/06/2018 14:12:22	736.00	12
OH Other	PLANNED OUTAGE	02/06/2018 15:33:08	681.92	7
OH Other	PLANNED OUTAGE	02/07/2018 00:07:26	276.80	8
URD Outage	PLANNED OUTAGE	02/07/2018 00:15:25	229.68	1
OH Other	PLANNED OUTAGE	02/07/2018 00:35:34	1,053.62	11
OH Other	PLANNED OUTAGE	02/07/2018 07:14:40	54.35	1
OH Other	PLANNED OUTAGE	02/07/2018 09:08:20	1,499.40	4
OH Other	PLANNED OUTAGE	02/07/2018 10:00:39	373.67	1
OH Other	PLANNED OUTAGE	02/07/2018 10:23:43	508.55	7
URD Outage	PLANNED OUTAGE	02/07/2018 10:58:33	174.17	11
OH Other	PLANNED OUTAGE	02/07/2018 11:10:48	359.10	6
URD Outage	PLANNED OUTAGE	02/07/2018 11:54:41	161.13	1
UG Other	PLANNED OUTAGE	02/07/2018 12:13:43	144.88	1
URD Outage	PLANNED OUTAGE	02/07/2018 13:15:33	397.25	7
UG Other	PLANNED OUTAGE	02/07/2018 14:12:59	367.87	4
Circuit Out	PLANNED OUTAGE	02/07/2018 19:25:23	7,675.03	518
Circuit Out	PLANNED OUTAGE	02/07/2018 22:49:49	12,371.57	518
OH Other	PLANNED OUTAGE	02/08/2018 07:43:38	2,854.75	5
OH Other	PLANNED OUTAGE	02/08/2018 08:07:08	1,285.90	3
URD Outage	PLANNED OUTAGE	02/08/2018 08:59:37	232.90	6
OH Other	PLANNED OUTAGE	02/08/2018 09:00:15	1,797.50	10
OH Other	PLANNED OUTAGE	02/08/2018 09:03:50	4,625.00	12
OH Other	PLANNED OUTAGE	02/08/2018 09:10:39	1,341.60	4
URD Outage	PLANNED OUTAGE	02/08/2018 09:42:34	485.60	8
URD Outage	PLANNED OUTAGE	02/08/2018 10:18:38	161.93	4
URD Outage	PLANNED OUTAGE	02/08/2018 10:23:16	1,064.67	10
URD Outage	PLANNED OUTAGE	02/08/2018 11:24:30	520.67	8
OH Other	PLANNED OUTAGE	02/08/2018 13:53:27	579.33	5
OH Other	PLANNED OUTAGE	02/08/2018 15:14:22	4,003.00	15
OH Other	PLANNED OUTAGE	02/08/2018 17:20:17	9,585.47	67
Circuit Out	PLANNED OUTAGE	02/09/2018 01:16:30	34,944.47	1454
Circuit Out	PLANNED OUTAGE	02/09/2018 01:36:40	786.00	524
OH Other	PLANNED OUTAGE	02/09/2018 05:36:57	965.58	5
OH Other	PLANNED OUTAGE	02/09/2018 08:28:33	1,855.70	21
URD Outage	PLANNED OUTAGE	02/09/2018 08:43:55	237.07	4
OH Other	PLANNED OUTAGE	02/09/2018 09:01:01	435.30	1
OH Other	PLANNED OUTAGE	02/09/2018 09:24:20	234.85	3
OH Other	PLANNED OUTAGE	02/09/2018 10:20:32	1,578.40	3
OH Other	PLANNED OUTAGE	02/09/2018 12:10:22	295.23	1
URD Outage	PLANNED OUTAGE	02/09/2018 17:19:59	1,217.70	3
OH Other	PLANNED OUTAGE	02/10/2018 00:07:55	1,640.40	72
OH Other	PLANNED OUTAGE	02/10/2018 09:02:59	383.08	1
OH Other	PLANNED OUTAGE	02/12/2018 08:29:24	77.57	1
URD Outage	PLANNED OUTAGE	02/12/2018 09:05:53	386.67	4
URD Outage	PLANNED OUTAGE	02/12/2018 09:05:53	780.70	6
URD Outage	PLANNED OUTAGE	02/12/2018 09:05:53	780.70	6
OH Other	PLANNED OUTAGE	02/12/2018 09:37:03	273.50	2
OH Other	PLANNED OUTAGE	02/12/2018 10:08:18	1,350.80	8
OH Other	PLANNED OUTAGE	02/12/2018 10:24:39	2,239.60	33
OH Other	PLANNED OUTAGE	02/12/2018 15:33:47	1,262.93	8
OH Other	PLANNED OUTAGE	02/12/2018 17:23:47	2,476.90	17
URD Outage	PLANNED OUTAGE	02/12/2018 19:15:00	2,306.38	7

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	02/12/2018 23:47:45	281.70	1
UG Other	PLANNED OUTAGE	02/13/2018 09:01:26	464.67	8
UG Other	PLANNED OUTAGE	02/13/2018 09:01:26	1,006.80	9
OH Other	PLANNED OUTAGE	02/13/2018 11:26:01	944.93	4
OH Other	PLANNED OUTAGE	02/13/2018 12:43:23	930.17	10
OH Other	PLANNED OUTAGE	02/13/2018 13:02:31	567.80	3
OH Other	PLANNED OUTAGE	02/13/2018 15:48:30	327.65	3
OH Other	PLANNED OUTAGE	02/14/2018 07:15:43	1,617.60	3
OH Other	PLANNED OUTAGE	02/14/2018 07:15:54	3,773.93	7
OH Other	PLANNED OUTAGE	02/14/2018 07:16:06	3,773.23	7
URD Outage	PLANNED OUTAGE	02/14/2018 07:28:10	19,425.62	109
OH Other	PLANNED OUTAGE	02/14/2018 08:11:19	5,323.45	11
OH Other	PLANNED OUTAGE	02/14/2018 08:34:52	2,126.80	39
OH Other	PLANNED OUTAGE	02/14/2018 09:22:05	482.17	1
OH Other	PLANNED OUTAGE	02/14/2018 09:31:18	1,383.10	3
URD Outage	PLANNED OUTAGE	02/14/2018 09:46:35	5,989.33	64
OH Other	PLANNED OUTAGE	02/14/2018 10:53:25	312.08	7
OH Other	PLANNED OUTAGE	02/14/2018 11:06:25	2,124.13	8
OH Other	PLANNED OUTAGE	02/14/2018 12:26:55	518.20	6
OH Other	PLANNED OUTAGE	02/14/2018 12:27:03	774.90	9
OH Other	PLANNED OUTAGE	02/14/2018 13:25:04	2,939.95	13
OH Other	PLANNED OUTAGE	02/14/2018 16:09:07	2,478.00	7
URD Outage	PLANNED OUTAGE	02/14/2018 18:10:17	499.17	1
OH Other	PLANNED OUTAGE	02/14/2018 22:16:28	366.83	1
OH Other	PLANNED OUTAGE	02/15/2018 02:50:41	14,633.43	158
OH Other	PLANNED OUTAGE	02/15/2018 08:16:02	3,390.33	10
OH Other	PLANNED OUTAGE	02/15/2018 09:04:44	1,249.60	8
OH Other	PLANNED OUTAGE	02/15/2018 09:17:35	245.58	1
OH Other	PLANNED OUTAGE	02/15/2018 10:02:03	200.87	1
URD Outage	PLANNED OUTAGE	02/15/2018 10:16:57	144.10	2
OH Other	PLANNED OUTAGE	02/15/2018 11:52:26	836.85	9
OH Other	PLANNED OUTAGE	02/15/2018 12:26:23	1,212.17	14
OH Other	PLANNED OUTAGE	02/15/2018 12:26:29	1,212.87	14
OH Other	PLANNED OUTAGE	02/15/2018 14:57:39	526.07	4
UG Other	PLANNED OUTAGE	02/16/2018 08:22:11	165.95	1
URD Outage	PLANNED OUTAGE	02/16/2018 09:05:53	86.97	1
URD Outage	PLANNED OUTAGE	02/16/2018 09:46:43	275.00	5
URD Outage	PLANNED OUTAGE	02/16/2018 09:53:08	4,684.00	30
OCR, Sec.	PLANNED OUTAGE	02/17/2018 13:46:39	2,233.35	709
TX Replaced (OH)	PLANNED OUTAGE	02/17/2018 16:38:51	763.92	5
Circuit Out	PLANNED OUTAGE	02/18/2018 18:03:17	9,243.85	1617
OH Other	PLANNED OUTAGE	02/19/2018 07:49:05	3,046.17	10
OH Other	PLANNED OUTAGE	02/19/2018 08:54:50	2,253.10	6
URD Outage	PLANNED OUTAGE	02/19/2018 08:58:45	318.27	1
OH Other	PLANNED OUTAGE	02/19/2018 09:33:34	120.93	2
URD Outage	PLANNED OUTAGE	02/19/2018 10:04:46	998.90	21
UG Other	PLANNED OUTAGE	02/19/2018 10:04:46	15,093.67	10
OH Other	PLANNED OUTAGE	02/19/2018 10:08:29	1,473.27	7
OH Other	PLANNED OUTAGE	02/19/2018 10:42:27	1,603.10	6
OH Other	PLANNED OUTAGE	02/19/2018 11:27:00	436.20	6
OH Other	PLANNED OUTAGE	02/19/2018 11:27:06	507.50	7
OH Other	PLANNED OUTAGE	02/19/2018 12:29:27	1,277.97	14

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
URD Outage	PLANNED OUTAGE	02/19/2018 17:35:46	115,358.57	274
URD Outage	PLANNED OUTAGE	02/19/2018 17:35:46	451.60	2
OH Other	PLANNED OUTAGE	02/19/2018 17:58:26	125.13	4
OH Other	PLANNED OUTAGE	02/19/2018 17:59:38	187.40	6
URD Outage	PLANNED OUTAGE	02/19/2018 22:39:19	405.13	2
OH Other	PLANNED OUTAGE	02/20/2018 09:15:32	125.60	1
OH Other	PLANNED OUTAGE	02/20/2018 09:57:38	445.80	1
OH Other	PLANNED OUTAGE	02/20/2018 10:11:50	2,641.45	7
OH Other	PLANNED OUTAGE	02/20/2018 10:22:19	5,913.37	14
OH Other	PLANNED OUTAGE	02/20/2018 10:46:43	1,323.93	7
OH Other	PLANNED OUTAGE	02/20/2018 12:03:08	266.33	10
Oil Switch	PLANNED OUTAGE	02/20/2018 12:18:03	176.55	3
OH Other	PLANNED OUTAGE	02/20/2018 12:48:18	64.23	1
OH Other	PLANNED OUTAGE	02/20/2018 14:46:50	1,427.10	9
OH Other	PLANNED OUTAGE	02/21/2018 01:31:44	568.73	19
URD Outage	PLANNED OUTAGE	02/21/2018 09:18:36	8,902.40	107
URD Outage	PLANNED OUTAGE	02/21/2018 09:18:36	124.08	5
OH Other	PLANNED OUTAGE	02/21/2018 09:42:43	4,086.68	11
OH Other	PLANNED OUTAGE	02/21/2018 10:25:32	1,376.15	3
OH Other	PLANNED OUTAGE	02/21/2018 10:39:57	1,188.27	4
OH Other	PLANNED OUTAGE	02/21/2018 10:44:22	61.15	3
OH Other	PLANNED OUTAGE	02/21/2018 10:44:22	491.85	27
OH Other	PLANNED OUTAGE	02/21/2018 12:31:58	2,029.68	11
URD Outage	PLANNED OUTAGE	02/22/2018 01:33:06	75.55	1
OH Other	PLANNED OUTAGE	02/22/2018 03:04:59	139.87	8
OH Other	PLANNED OUTAGE	02/22/2018 03:23:00	210.83	10
OH Other	PLANNED OUTAGE	02/22/2018 03:44:24	92.98	7
OH Other	PLANNED OUTAGE	02/22/2018 08:43:01	1,184.90	3
OH Other	PLANNED OUTAGE	02/22/2018 10:11:18	922.50	3
OH Other	PLANNED OUTAGE	02/22/2018 10:30:24	1,768.00	6
OH Other	PLANNED OUTAGE	02/22/2018 10:30:33	881.05	3
OH Other	PLANNED OUTAGE	02/22/2018 10:32:16	7,320.53	8
OH Other	PLANNED OUTAGE	02/22/2018 11:35:04	1,403.55	9
OH Other	PLANNED OUTAGE	02/22/2018 12:22:56	882.00	8
OH Other	PLANNED OUTAGE	02/23/2018 02:21:53	254.27	2
OH Other	PLANNED OUTAGE	02/23/2018 08:52:00	3,579.35	17
URD Outage	PLANNED OUTAGE	02/23/2018 11:17:07	357.47	2
URD Outage	PLANNED OUTAGE	02/23/2018 12:43:41	86.13	1
OH Other	PLANNED OUTAGE	02/23/2018 15:13:33	629.43	2
URD Outage	PLANNED OUTAGE	02/24/2018 08:21:39	338.70	3
URD Outage	PLANNED OUTAGE	02/24/2018 08:41:38	334.48	1
URD Outage	PLANNED OUTAGE	02/24/2018 11:18:55	159.08	1
URD Outage	PLANNED OUTAGE	02/24/2018 18:22:45	49.65	1
OH Other	PLANNED OUTAGE	02/25/2018 23:26:35	665.13	11
OH Other	PLANNED OUTAGE	02/26/2018 08:06:02	2,423.70	6
OH Other	PLANNED OUTAGE	02/26/2018 09:22:48	1,389.27	7
OH Other	PLANNED OUTAGE	02/26/2018 10:13:46	3,841.35	9
URD Outage	PLANNED OUTAGE	02/26/2018 10:15:00	373.53	2
URD Outage	PLANNED OUTAGE	02/26/2018 10:18:24	224.00	5
URD Outage	PLANNED OUTAGE	02/26/2018 11:12:15	66.07	1
OH Other	PLANNED OUTAGE	02/26/2018 11:17:22	183.57	2
OH Other	PLANNED OUTAGE	02/26/2018 11:21:53	466.00	2

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	02/26/2018 11:31:42	1,563.10	7
OH Other	PLANNED OUTAGE	02/26/2018 12:18:36	206.27	4
OH Other	PLANNED OUTAGE	02/26/2018 12:47:40	961.33	8
OH Other	PLANNED OUTAGE	02/26/2018 13:43:32	1,738.53	8
OH Other	PLANNED OUTAGE	02/26/2018 14:35:50	840.45	9
OH Other	PLANNED OUTAGE	02/27/2018 09:14:40	547.27	4
URD Outage	PLANNED OUTAGE	02/27/2018 09:15:03	408.83	5
OH Other	PLANNED OUTAGE	02/27/2018 09:39:59	2,125.00	6
OH Other	PLANNED OUTAGE	02/27/2018 09:55:23	337.37	1
OH Other	PLANNED OUTAGE	02/27/2018 09:59:34	1,800.28	7
URD Outage	PLANNED OUTAGE	02/27/2018 10:02:57	1,658.75	75
OH Other	PLANNED OUTAGE	02/27/2018 10:40:18	8,116.72	11
OH Other	PLANNED OUTAGE	02/27/2018 10:45:16	629.20	3
URD Outage	PLANNED OUTAGE	02/27/2018 10:52:27	1,230.25	21
OH Other	PLANNED OUTAGE	02/27/2018 11:13:13	1,869.80	6
OH Other	PLANNED OUTAGE	02/27/2018 11:28:51	210.30	6
OH Other	PLANNED OUTAGE	02/27/2018 11:50:27	3,568.83	19
OH Other	PLANNED OUTAGE	02/27/2018 12:07:48	334.80	2
OH Other	PLANNED OUTAGE	02/27/2018 12:08:38	337.40	7
OH Other	PLANNED OUTAGE	02/27/2018 13:16:31	950.72	7
OH Other	PLANNED OUTAGE	02/27/2018 14:14:00	396.33	5
OH Other	PLANNED OUTAGE	02/27/2018 18:48:34	1,735.07	22
OH Other	PLANNED OUTAGE	02/28/2018 06:58:34	136.38	7
URD Outage	PLANNED OUTAGE	02/28/2018 07:38:01	12,072.28	19
OH Other	PLANNED OUTAGE	02/28/2018 08:04:06	2,067.42	5
OH Other	PLANNED OUTAGE	02/28/2018 09:02:19	432.82	1
URD Outage	PLANNED OUTAGE	02/28/2018 09:26:46	814.57	14
OH Other	PLANNED OUTAGE	02/28/2018 09:44:05	2,987.60	7
OH Other	PLANNED OUTAGE	02/28/2018 09:47:52	5,503.12	13
OH Other	PLANNED OUTAGE	02/28/2018 09:49:35	2,025.33	8
OH Other	PLANNED OUTAGE	02/28/2018 10:12:47	721.92	5
OH Other	PLANNED OUTAGE	02/28/2018 10:40:20	824.87	4
OH Other	PLANNED OUTAGE	02/28/2018 10:48:13	581.10	3
UG Other	PLANNED OUTAGE	02/28/2018 11:11:46	39.53	1
OH Other	PLANNED OUTAGE	02/28/2018 12:53:43	612.33	10
OH Other	PLANNED OUTAGE	02/28/2018 14:51:17	132.92	1
URD Outage	PLANNED OUTAGE	02/28/2018 16:59:07	15,358.75	275
OH Other	PLANNED OUTAGE	03/01/2018 07:06:31	73.35	1
OH Other	PLANNED OUTAGE	03/01/2018 08:02:50	1,268.75	7
OH Other	PLANNED OUTAGE	03/01/2018 08:02:59	1,996.13	11
OH Other	PLANNED OUTAGE	03/01/2018 08:51:26	1,646.20	12
OH Other	PLANNED OUTAGE	03/01/2018 09:04:38	309.07	1
OH Other	PLANNED OUTAGE	03/01/2018 09:11:41	389.07	2
OH Other	PLANNED OUTAGE	03/01/2018 09:11:50	194.25	1
OH Other	PLANNED OUTAGE	03/01/2018 09:17:32	3,557.58	11
OH Other	PLANNED OUTAGE	03/01/2018 09:55:44	3,712.15	13
OH Other	PLANNED OUTAGE	03/01/2018 09:58:48	183.78	1
URD Outage	PLANNED OUTAGE	03/01/2018 10:00:00	60.30	1
URD Outage	PLANNED OUTAGE	03/01/2018 10:00:00	120.60	2
OH Other	PLANNED OUTAGE	03/01/2018 10:35:49	630.83	5
OH Other	PLANNED OUTAGE	03/01/2018 10:52:46	390.95	3
OH Other	PLANNED OUTAGE	03/01/2018 11:03:34	159.95	1

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	03/01/2018 13:09:50	360.23	2
URD Outage	PLANNED OUTAGE	03/01/2018 13:22:21	525.60	8
OH Other	PLANNED OUTAGE	03/01/2018 15:01:59	401.20	6
OH Other	PLANNED OUTAGE	03/02/2018 08:39:18	2,744.13	11
OH Other	PLANNED OUTAGE	03/02/2018 08:41:34	591.65	3
URD Outage	PLANNED OUTAGE	03/02/2018 09:34:17	432.17	5
URD Outage	PLANNED OUTAGE	03/02/2018 09:47:34	138.35	3
OH Other	PLANNED OUTAGE	03/03/2018 07:43:14	104.25	1
TX Repaired (OH)	PLANNED OUTAGE	03/03/2018 09:45:31	1,182.40	16
OH Other	PLANNED OUTAGE	03/04/2018 22:58:11	55,636.38	181
OH Other	PLANNED OUTAGE	03/05/2018 11:10:42	827.25	3
OH Other	PLANNED OUTAGE	03/05/2018 11:48:45	205.10	3
PLF	PLANNED OUTAGE	03/05/2018 13:17:01	1,506.00	10
OH Other	PLANNED OUTAGE	03/06/2018 08:35:29	214.48	1
URD Outage	PLANNED OUTAGE	03/06/2018 09:09:10	494.25	9
OH Other	PLANNED OUTAGE	03/06/2018 09:14:25	680.40	8
OH Other	PLANNED OUTAGE	03/06/2018 09:43:20	43.40	1
OH Other	PLANNED OUTAGE	03/06/2018 10:33:29	416.33	4
OH Other	PLANNED OUTAGE	03/06/2018 12:35:06	470.80	3
Circuit Out	PLANNED OUTAGE	03/07/2018 06:57:33	2,341.25	1873
URD Outage	PLANNED OUTAGE	03/07/2018 09:21:49	536.40	6
UG Other	PLANNED OUTAGE	03/07/2018 09:39:06	204.95	1
OH Other	PLANNED OUTAGE	03/07/2018 10:02:22	2,861.07	8
OH Other	PLANNED OUTAGE	03/07/2018 10:50:26	4,475.67	10
OH Other	PLANNED OUTAGE	03/07/2018 13:58:19	230.80	8
Circuit Out	PLANNED OUTAGE	03/08/2018 08:11:21	862.55	1327
OH Other	PLANNED OUTAGE	03/08/2018 09:04:22	1,406.33	10
URD Outage	PLANNED OUTAGE	03/08/2018 09:58:43	1,946.13	8
OH Other	PLANNED OUTAGE	03/08/2018 10:00:06	816.40	6
OH Other	PLANNED OUTAGE	03/08/2018 10:24:56	167.83	2
OH Other	PLANNED OUTAGE	03/08/2018 12:37:40	397.25	3
URD Outage	PLANNED OUTAGE	03/08/2018 13:33:03	1,387.00	19
Circuit Out	PLANNED OUTAGE	03/09/2018 08:16:05	8,597.85	1849
OH Other	PLANNED OUTAGE	03/09/2018 08:18:46	532.93	4
UG Other	PLANNED OUTAGE	03/09/2018 10:03:00	158.73	4
OH Other	PLANNED OUTAGE	03/09/2018 12:55:30	1,068.75	27
OH Other	PLANNED OUTAGE	03/09/2018 14:52:34	944.07	14
OH Other	PLANNED OUTAGE	03/09/2018 22:49:25	656.13	14
URD Outage	PLANNED OUTAGE	03/10/2018 17:48:27	305.97	2
URD Outage	PLANNED OUTAGE	03/10/2018 23:29:47	5,458.80	24
URD Outage	PLANNED OUTAGE	03/11/2018 07:27:31	64.20	1
OH Other	PLANNED OUTAGE	03/12/2018 09:03:00	1,013.47	8
OH Other	PLANNED OUTAGE	03/12/2018 09:45:25	488.40	6
OH Other	PLANNED OUTAGE	03/12/2018 10:33:32	1,586.13	8
OH Other	PLANNED OUTAGE	03/12/2018 12:16:06	223.47	1
OH Other	PLANNED OUTAGE	03/12/2018 12:16:21	223.12	1
OH Other	PLANNED OUTAGE	03/12/2018 15:46:42	39,153.75	197
OH Other	PLANNED OUTAGE	03/13/2018 08:44:58	1,056.90	6
URD Outage	PLANNED OUTAGE	03/13/2018 08:55:22	1,942.93	32
URD Outage	PLANNED OUTAGE	03/13/2018 08:55:22	1,462.40	24
OH Other	PLANNED OUTAGE	03/13/2018 09:16:39	1,809.30	9
URD Outage	PLANNED OUTAGE	03/13/2018 09:34:51	172.77	1

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	03/13/2018 09:46:18	762.00	10
OH Other	PLANNED OUTAGE	03/13/2018 09:57:05	1,054.27	4
OH Other	PLANNED OUTAGE	03/13/2018 10:10:29	1,434.00	6
OH Other	PLANNED OUTAGE	03/13/2018 10:26:24	1,578.07	4
OH Other	PLANNED OUTAGE	03/13/2018 10:26:35	1,577.87	4
OH Other	PLANNED OUTAGE	03/13/2018 10:32:33	785.87	4
OH Other	PLANNED OUTAGE	03/13/2018 12:40:33	930.58	5
URD Outage	PLANNED OUTAGE	03/13/2018 14:11:23	215.20	4
OH Other	PLANNED OUTAGE	03/13/2018 17:12:05	1,425.07	16
OH Other	PLANNED OUTAGE	03/13/2018 23:15:07	150.75	1
OH Other	PLANNED OUTAGE	03/14/2018 08:31:11	1,706.87	4
OH Other	PLANNED OUTAGE	03/14/2018 09:24:50	2,967.83	10
OCR, Sec.	PLANNED OUTAGE	03/14/2018 09:36:22	10,416.50	415
OH Other	PLANNED OUTAGE	03/14/2018 11:48:00	824.67	8
OH Other	PLANNED OUTAGE	03/14/2018 12:08:23	2,070.37	14
OH Other	PLANNED OUTAGE	03/14/2018 12:46:15	360.97	7
URD Outage	PLANNED OUTAGE	03/14/2018 13:24:33	110.00	2
OH Other	PLANNED OUTAGE	03/14/2018 17:09:53	274.75	7
URD Outage	PLANNED OUTAGE	03/14/2018 19:57:49	5,289.60	116
OH Other	PLANNED OUTAGE	03/15/2018 07:43:36	2,558.60	4
OH Other	PLANNED OUTAGE	03/15/2018 08:58:39	5,016.83	10
URD Outage	PLANNED OUTAGE	03/15/2018 09:08:12	617.93	13
URD Outage	PLANNED OUTAGE	03/15/2018 09:08:12	1,122.15	9
URD Outage	PLANNED OUTAGE	03/15/2018 09:19:33	395.50	6
OH Other	PLANNED OUTAGE	03/15/2018 09:37:35	2,573.47	8
OH Other	PLANNED OUTAGE	03/15/2018 11:34:06	3,099.45	9
OH Other	PLANNED OUTAGE	03/15/2018 12:49:24	1,011.20	8
URD Outage	PLANNED OUTAGE	03/16/2018 09:33:38	7,517.90	39
URD Outage	PLANNED OUTAGE	03/16/2018 09:38:36	547.25	11
OH Other	PLANNED OUTAGE	03/16/2018 11:59:44	1,439.40	6
OH Other	PLANNED OUTAGE	03/16/2018 15:49:31	86.13	1
UG Other	PLANNED OUTAGE	03/16/2018 18:06:55	246.85	1
PLF	PLANNED OUTAGE	03/16/2018 22:08:19	219.78	1
OH Other	PLANNED OUTAGE	03/17/2018 01:56:28	230.17	10
OH Other	PLANNED OUTAGE	03/17/2018 03:33:57	106.17	5
Circuit Out	PLANNED OUTAGE	03/17/2018 14:22:39	3,090.33	730
OH Other	PLANNED OUTAGE	03/17/2018 16:52:17	75.07	4
OH Other	PLANNED OUTAGE	03/19/2018 08:51:06	2,994.20	11
OH Other	PLANNED OUTAGE	03/19/2018 09:49:55	193.82	1
OH Other	PLANNED OUTAGE	03/19/2018 10:00:23	311.20	4
OH Other	PLANNED OUTAGE	03/19/2018 10:32:10	2,210.80	8
OH Other	PLANNED OUTAGE	03/19/2018 12:04:18	631.47	8
OH Other	PLANNED OUTAGE	03/19/2018 12:04:25	631.47	8
OH Other	PLANNED OUTAGE	03/19/2018 12:33:05	998.93	8
OH Other	PLANNED OUTAGE	03/19/2018 13:05:36	545.50	10
OH Other	PLANNED OUTAGE	03/19/2018 13:37:37	763.17	5
Circuit Out	PLANNED OUTAGE	03/19/2018 18:53:09	387.60	456
OH Other	PLANNED OUTAGE	03/20/2018 08:02:41	6,755.20	12
URD Outage	PLANNED OUTAGE	03/20/2018 08:04:47	358.65	3
UG Other	PLANNED OUTAGE	03/20/2018 08:37:23	192.00	2
OH Other	PLANNED OUTAGE	03/20/2018 08:47:33	72.25	1
OH Other	PLANNED OUTAGE	03/20/2018 09:35:09	733.40	6

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	03/20/2018 09:40:20	1,861.60	4
OH Other	PLANNED OUTAGE	03/20/2018 10:10:13	1,548.53	8
OH Other	PLANNED OUTAGE	03/20/2018 10:16:25	3,005.92	7
OH Other	PLANNED OUTAGE	03/20/2018 10:32:02	4,139.00	10
UG Other	PLANNED OUTAGE	03/20/2018 10:46:55	286.43	13
OH Other	PLANNED OUTAGE	03/20/2018 12:12:26	381.50	3
OH Other	PLANNED OUTAGE	03/20/2018 12:13:06	1,012.93	8
OH Other	PLANNED OUTAGE	03/20/2018 13:29:56	2,833.40	12
Circuit Out	PLANNED OUTAGE	03/20/2018 14:08:47	13,056.00	2720
Circuit Out	PLANNED OUTAGE	03/20/2018 16:21:25	3,781.73	904
OH Other	PLANNED OUTAGE	03/20/2018 17:53:24	8.40	2
URD Outage	PLANNED OUTAGE	03/20/2018 18:18:10	2,392.83	7
OH Other	PLANNED OUTAGE	03/20/2018 19:17:42	237.13	4
OH Other	PLANNED OUTAGE	03/21/2018 03:48:54	262.00	10
OH Other	PLANNED OUTAGE	03/21/2018 06:40:55	161.65	1
OH Other	PLANNED OUTAGE	03/21/2018 07:42:25	37.17	1
URD Outage	PLANNED OUTAGE	03/21/2018 08:07:15	292.27	1
URD Outage	PLANNED OUTAGE	03/21/2018 08:07:15	292.27	1
OH Other	PLANNED OUTAGE	03/21/2018 08:36:16	231.63	1
OH Other	PLANNED OUTAGE	03/21/2018 09:07:09	1,252.53	11
URD Outage	PLANNED OUTAGE	03/21/2018 09:26:28	116.00	2
URD Outage	PLANNED OUTAGE	03/21/2018 09:41:29	175.83	5
URD Outage	PLANNED OUTAGE	03/21/2018 11:52:29	260.27	2
URD Outage	PLANNED OUTAGE	03/21/2018 13:44:29	115.75	3
Circuit Out	PLANNED OUTAGE	03/21/2018 14:55:55	4,614.17	1130
OH Other	PLANNED OUTAGE	03/22/2018 09:17:18	1,577.33	5
Cut Out 100 amp - PLF	PLANNED OUTAGE	03/22/2018 14:18:58	1,533.03	37
Circuit Out	PLANNED OUTAGE	03/22/2018 14:25:30	2,767.50	1107
OH Other	PLANNED OUTAGE	03/22/2018 21:06:16	255.28	17
OH Other	PLANNED OUTAGE	03/23/2018 09:03:55	2,192.53	4
OH Other	PLANNED OUTAGE	03/23/2018 09:27:41	384.33	2
OH Other	PLANNED OUTAGE	03/23/2018 09:51:16	758.53	8
OH Other	PLANNED OUTAGE	03/23/2018 11:26:26	881.18	7
UG Other	PLANNED OUTAGE	03/23/2018 13:27:50	172.50	6
OH Other	PLANNED OUTAGE	03/24/2018 08:02:27	254.70	6
OH Other	PLANNED OUTAGE	03/24/2018 09:28:49	362.25	9
OH Other	PLANNED OUTAGE	03/24/2018 12:00:01	207.00	3
OH Other	PLANNED OUTAGE	03/25/2018 09:58:39	35.58	1
OH Other	PLANNED OUTAGE	03/25/2018 11:06:46	371.70	6
OH Other	PLANNED OUTAGE	03/25/2018 17:37:56	70.57	1
OH Other	PLANNED OUTAGE	03/26/2018 07:56:52	231.92	1
UG Other	PLANNED OUTAGE	03/26/2018 08:51:30	11,840.40	33
OH Other	PLANNED OUTAGE	03/26/2018 09:11:45	1,084.17	10
UG Other	PLANNED OUTAGE	03/26/2018 10:04:17	325.80	2
OH Other	PLANNED OUTAGE	03/26/2018 10:27:26	2,867.20	12
OH Other	PLANNED OUTAGE	03/26/2018 10:47:18	4,853.00	20
OH Other	PLANNED OUTAGE	03/26/2018 11:14:33	519.90	6
UG Other	PLANNED OUTAGE	03/26/2018 11:32:41	676.13	4
Step Restoration	PLANNED OUTAGE	03/26/2018 11:32:41	172.43	1
OH Other	PLANNED OUTAGE	03/26/2018 12:35:19	812.60	6
OH Other	PLANNED OUTAGE	03/26/2018 12:35:23	678.58	5
PLF	PLANNED OUTAGE	03/26/2018 16:32:17	1,576.65	9

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
PLF	PLANNED OUTAGE	03/27/2018 07:23:34	51.47	8
OH Other	PLANNED OUTAGE	03/27/2018 08:07:40	48.37	1
OH Other	PLANNED OUTAGE	03/27/2018 08:15:26	1,378.27	4
OH Other	PLANNED OUTAGE	03/27/2018 08:30:50	1,707.08	5
OCR, Sec.	PLANNED OUTAGE	03/27/2018 09:28:54	5,965.20	12
UG Other	PLANNED OUTAGE	03/27/2018 09:41:22	769.73	8
UG Other	PLANNED OUTAGE	03/27/2018 09:49:56	480.53	8
OH Other	PLANNED OUTAGE	03/27/2018 09:51:48	5,088.53	14
OH Other	PLANNED OUTAGE	03/27/2018 10:24:06	2,893.00	12
OH Other	PLANNED OUTAGE	03/27/2018 11:03:53	764.13	8
OH Other	PLANNED OUTAGE	03/27/2018 11:04:07	384.53	4
OH Other	PLANNED OUTAGE	03/27/2018 11:22:59	834.47	4
OH Other	PLANNED OUTAGE	03/27/2018 12:20:59	1,740.43	14
OH Other	PLANNED OUTAGE	03/27/2018 13:12:46	1,592.62	7
OH Other	PLANNED OUTAGE	03/27/2018 13:31:06	29.82	1
OH Other	PLANNED OUTAGE	03/28/2018 09:02:46	1,223.80	4
OH Other	PLANNED OUTAGE	03/28/2018 09:02:46	2,747.25	9
OH Other	PLANNED OUTAGE	03/28/2018 09:04:41	3,235.63	14
OH Other	PLANNED OUTAGE	03/28/2018 09:04:52	1,160.58	5
OH Other	PLANNED OUTAGE	03/28/2018 09:11:06	1,848.47	4
URD Outage	PLANNED OUTAGE	03/28/2018 10:13:50	54.98	1
OH Other	PLANNED OUTAGE	03/28/2018 10:51:30	169.30	3
URD Outage	PLANNED OUTAGE	03/28/2018 11:03:43	1,027.65	17
OH Other	PLANNED OUTAGE	03/28/2018 11:26:41	2,259.33	5
OH Other	PLANNED OUTAGE	03/28/2018 12:06:11	1,021.50	6
OH Other	PLANNED OUTAGE	03/28/2018 13:42:56	1,429.20	8
Circuit Out	PLANNED OUTAGE	03/28/2018 16:02:56	1,342.38	239
OH Other	PLANNED OUTAGE	03/28/2018 20:25:24	612.03	7
OH Other	PLANNED OUTAGE	03/29/2018 07:49:47	4,523.00	10
OH Other	PLANNED OUTAGE	03/29/2018 08:26:02	852.00	4
OH Other	PLANNED OUTAGE	03/29/2018 08:56:59	2,216.80	12
OH Other	PLANNED OUTAGE	03/29/2018 09:07:27	2,275.30	6
OH Other	PLANNED OUTAGE	03/29/2018 09:11:09	4,494.80	12
URD Outage	PLANNED OUTAGE	03/29/2018 09:16:06	5,817.63	53
OH Other	PLANNED OUTAGE	03/29/2018 09:59:07	2,356.68	13
URD Outage	PLANNED OUTAGE	03/29/2018 10:06:30	80.60	1
OH Other	PLANNED OUTAGE	03/29/2018 10:29:39	752.10	6
OH Other	PLANNED OUTAGE	03/29/2018 10:40:31	558.40	2
OH Other	PLANNED OUTAGE	03/29/2018 13:19:30	128.03	1
OH Other	PLANNED OUTAGE	03/29/2018 13:57:57	84.83	1
OH Other	PLANNED OUTAGE	03/29/2018 15:54:34	637.80	18
URD Outage	PLANNED OUTAGE	03/29/2018 18:30:57	153.13	1
OH Other	PLANNED OUTAGE	03/30/2018 08:54:56	1,260.53	4
OH Other	PLANNED OUTAGE	03/31/2018 07:35:46	947.50	25
Circuit Out	PLANNED OUTAGE	03/31/2018 09:46:21	340.80	32
OH Other	PLANNED OUTAGE	03/31/2018 12:47:08	518.00	21
Circuit Out	PLANNED OUTAGE	03/31/2018 23:45:21	1,462.67	1097
OH Other	PLANNED OUTAGE	04/01/2018 21:24:56	4,340.00	30
OH Other	PLANNED OUTAGE	04/01/2018 22:36:30	3,198.15	23
Circuit Out	PLANNED OUTAGE	04/01/2018 23:55:44	2,860.65	489
OH Other	PLANNED OUTAGE	04/02/2018 09:19:55	1,012.60	3
OH Other	PLANNED OUTAGE	04/02/2018 09:35:10	576.00	9

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
URD Outage	PLANNED OUTAGE	04/02/2018 09:58:52	12,391.17	65
OH Other	PLANNED OUTAGE	04/02/2018 10:09:05	1,791.00	6
OH Other	PLANNED OUTAGE	04/02/2018 10:56:28	60.70	1
OH Other	PLANNED OUTAGE	04/02/2018 10:56:45	1,711.33	10
Circuit Out	PLANNED OUTAGE	04/02/2018 11:30:59	2,171.40	924
OH Other	PLANNED OUTAGE	04/02/2018 11:34:31	2,720.52	23
OH Other	PLANNED OUTAGE	04/02/2018 11:39:17	95.65	1
OH Other	PLANNED OUTAGE	04/02/2018 11:56:34	3,592.10	17
Circuit Out	PLANNED OUTAGE	04/02/2018 21:28:19	15,630.00	180
Circuit Out	PLANNED OUTAGE	04/03/2018 00:31:01	1,679.17	1550
OH Other	PLANNED OUTAGE	04/03/2018 01:38:14	1,337.00	14
OH Other	PLANNED OUTAGE	04/03/2018 09:13:57	3,377.55	11
OH Other	PLANNED OUTAGE	04/03/2018 09:16:51	2,441.07	8
OH Other	PLANNED OUTAGE	04/03/2018 09:27:42	2,362.40	8
OH Other	PLANNED OUTAGE	04/03/2018 09:48:30	999.72	7
OH Other	PLANNED OUTAGE	04/03/2018 09:50:35	953.87	4
OH Other	PLANNED OUTAGE	04/03/2018 10:13:25	1,145.67	10
OH Other	PLANNED OUTAGE	04/03/2018 10:39:29	650.80	3
URD Outage	PLANNED OUTAGE	04/03/2018 11:37:19	168.05	1
URD Outage	PLANNED OUTAGE	04/03/2018 11:48:42	41.30	1
OH Other	PLANNED OUTAGE	04/03/2018 12:39:37	639.10	6
OH Other	PLANNED OUTAGE	04/03/2018 12:42:27	848.80	4
OH Other	PLANNED OUTAGE	04/03/2018 13:02:04	359.83	5
OH Other	PLANNED OUTAGE	04/03/2018 13:25:44	845.42	5
OH Other	PLANNED OUTAGE	04/03/2018 13:30:15	452.10	6
URD Outage	PLANNED OUTAGE	04/03/2018 19:12:51	850.88	19
OH Other	PLANNED OUTAGE	04/04/2018 08:39:15	3,148.75	11
URD Outage	PLANNED OUTAGE	04/04/2018 08:53:20	157.75	1
OH Other	PLANNED OUTAGE	04/04/2018 09:14:16	2,402.17	5
OH Other	PLANNED OUTAGE	04/04/2018 09:29:33	738.90	6
OH Other	PLANNED OUTAGE	04/04/2018 09:40:48	2,266.25	5
OH Other	PLANNED OUTAGE	04/04/2018 10:07:27	2,441.87	8
OH Other	PLANNED OUTAGE	04/04/2018 10:50:32	307.40	3
OH Other	PLANNED OUTAGE	04/04/2018 10:55:46	910.40	4
URD Outage	PLANNED OUTAGE	04/04/2018 11:46:26	378.58	7
OH Other	PLANNED OUTAGE	04/04/2018 11:50:08	355.10	6
OH Other	PLANNED OUTAGE	04/04/2018 13:10:58	872.20	12
OH Other	PLANNED OUTAGE	04/04/2018 13:14:33	2,163.45	9
OH Other	PLANNED OUTAGE	04/04/2018 13:26:24	1,824.27	8
OH Other	PLANNED OUTAGE	04/04/2018 14:21:05	557.83	2
OH Other	PLANNED OUTAGE	04/04/2018 14:40:06	767.43	7
Connections	PLANNED OUTAGE	04/04/2018 15:22:51	73.65	1
URD Outage	PLANNED OUTAGE	04/05/2018 07:28:55	58.80	1
OH Other	PLANNED OUTAGE	04/05/2018 08:38:19	348.83	7
URD Outage	PLANNED OUTAGE	04/05/2018 09:08:29	263.57	2
OH Other	PLANNED OUTAGE	04/05/2018 09:31:22	1,000.90	3
OH Other	PLANNED OUTAGE	04/05/2018 09:56:43	2,611.35	7
OH Other	PLANNED OUTAGE	04/05/2018 10:34:12	983.20	6
OH Other	PLANNED OUTAGE	04/05/2018 10:56:45	421.70	6
OH Other	PLANNED OUTAGE	04/05/2018 11:03:22	1,433.83	10
OH Other	PLANNED OUTAGE	04/05/2018 11:37:16	897.52	7
OH Other	PLANNED OUTAGE	04/05/2018 11:57:39	501.58	5

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	04/05/2018 12:03:49	352.37	2
OH Other	PLANNED OUTAGE	04/05/2018 13:42:52	2,615.25	11
OH Other	PLANNED OUTAGE	04/05/2018 14:28:32	690.55	7
OH Other	PLANNED OUTAGE	04/05/2018 15:30:56	56.12	7
OH Other	PLANNED OUTAGE	04/05/2018 17:09:07	5.43	2
OH Other	PLANNED OUTAGE	04/05/2018 18:08:30	498.13	16
OH Other	PLANNED OUTAGE	04/06/2018 07:15:54	48.92	1
OH Other	PLANNED OUTAGE	04/06/2018 08:03:47	197.20	3
URD Outage	PLANNED OUTAGE	04/06/2018 08:09:06	1,753.03	14
OH Other	PLANNED OUTAGE	04/06/2018 10:53:46	444.27	4
OH Other	PLANNED OUTAGE	04/06/2018 11:45:23	1,307.30	6
OH Other	PLANNED OUTAGE	04/06/2018 12:46:35	1,995.25	15
OH Other	PLANNED OUTAGE	04/06/2018 14:58:35	1,322.33	10
URD Outage	PLANNED OUTAGE	04/06/2018 16:11:35	1,105.80	3
URD Outage	PLANNED OUTAGE	04/06/2018 21:01:32	3,742.33	103
URD Outage	PLANNED OUTAGE	04/06/2018 21:38:15	208.88	83
URD Outage	PLANNED OUTAGE	04/06/2018 21:43:43	1,561.53	59
OH Other	PLANNED OUTAGE	04/07/2018 06:04:26	1,160.10	18
OH Other	PLANNED OUTAGE	04/07/2018 07:55:58	1,789.33	8
OH Other	PLANNED OUTAGE	04/07/2018 12:30:44	544.03	2
OH Other	PLANNED OUTAGE	04/07/2018 17:01:28	822.80	6
Circuit Out	PLANNED OUTAGE	04/07/2018 18:34:56	11,616.95	2941
Step Restoration	PLANNED OUTAGE	04/07/2018 18:37:55	2,793.62	31
Circuit Out	PLANNED OUTAGE	04/07/2018 20:23:16	24,567.52	787
Circuit Out	PLANNED OUTAGE	04/07/2018 20:36:12	593.60	106
Circuit Out	PLANNED OUTAGE	04/07/2018 21:59:46	24,418.37	2099
OH Other	PLANNED OUTAGE	04/08/2018 12:06:19	114.30	3
OH Other	PLANNED OUTAGE	04/08/2018 17:50:13	11,542.00	696
OH Other	PLANNED OUTAGE	04/09/2018 06:55:24	56.43	1
OH Other	PLANNED OUTAGE	04/09/2018 08:35:38	3,528.43	11
OH Other	PLANNED OUTAGE	04/09/2018 08:49:45	198.92	5
OH Other	PLANNED OUTAGE	04/09/2018 09:04:41	2,388.30	6
OH Other	PLANNED OUTAGE	04/09/2018 09:30:37	4,858.53	13
OH Other	PLANNED OUTAGE	04/09/2018 09:45:22	3,806.20	12
OH Other	PLANNED OUTAGE	04/09/2018 09:46:22	1,752.92	5
OH Other	PLANNED OUTAGE	04/09/2018 09:49:25	2,488.85	7
OH Other	PLANNED OUTAGE	04/09/2018 09:52:56	83.93	1
URD Outage	PLANNED OUTAGE	04/09/2018 10:56:51	568.47	2
OH Other	PLANNED OUTAGE	04/09/2018 13:51:12	2,372.30	21
OH Other	PLANNED OUTAGE	04/09/2018 19:25:07	185.87	8
PLF	PLANNED OUTAGE	04/10/2018 00:13:13	6,196.20	46
OH Other	PLANNED OUTAGE	04/10/2018 01:42:26	228.92	5
TX Repaired (OH)	PLANNED OUTAGE	04/10/2018 08:20:57	175.30	3
TX Repaired (OH)	PLANNED OUTAGE	04/10/2018 09:42:59	3,761.10	9
Circuit Out	PLANNED OUTAGE	04/10/2018 10:51:56	2,287.30	267
Circuit Out	PLANNED OUTAGE	04/10/2018 11:58:12	27,824.00	1480
Circuit Out	PLANNED OUTAGE	04/10/2018 12:10:19	11,546.73	1589
Service - Crew	PLANNED OUTAGE	04/10/2018 15:54:59	92.60	1
Circuit Out	PLANNED OUTAGE	04/11/2018 01:34:21	3,782.40	1773
OH Other	PLANNED OUTAGE	04/11/2018 02:08:44	10,431.00	342
OH Other	PLANNED OUTAGE	04/11/2018 02:08:44	2,105.83	38
Circuit Out	PLANNED OUTAGE	04/11/2018 02:20:56	15,040.95	1773

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	04/11/2018 08:25:11	52.33	1
OH Other	PLANNED OUTAGE	04/11/2018 08:37:25	1,030.63	1
OH Other	PLANNED OUTAGE	04/11/2018 08:37:56	1,030.27	1
OH Other	PLANNED OUTAGE	04/11/2018 08:46:17	105.40	6
OH Other	PLANNED OUTAGE	04/11/2018 09:12:20	1,092.00	5
OH Other	PLANNED OUTAGE	04/11/2018 10:09:03	1,066.07	4
OH Other	PLANNED OUTAGE	04/11/2018 10:28:25	548.55	3
OH Other	PLANNED OUTAGE	04/11/2018 10:42:05	5,373.67	20
OH Other	PLANNED OUTAGE	04/11/2018 10:43:18	267.75	1
Service - Crew	PLANNED OUTAGE	04/11/2018 19:08:04	397.48	1
OCR, Sec.	PLANNED OUTAGE	04/11/2018 22:17:14	1,156.47	418
OH Other	PLANNED OUTAGE	04/12/2018 06:14:20	1,682.10	9
OH Other	PLANNED OUTAGE	04/12/2018 06:55:10	849.33	26
OH Other	PLANNED OUTAGE	04/12/2018 08:32:00	124.07	2
OH Other	PLANNED OUTAGE	04/12/2018 08:36:31	1,115.10	6
OH Other	PLANNED OUTAGE	04/12/2018 08:52:44	3,456.95	7
URD Outage	PLANNED OUTAGE	04/12/2018 09:24:36	453.30	6
OH Other	PLANNED OUTAGE	04/12/2018 10:04:24	168.45	3
OH Other	PLANNED OUTAGE	04/12/2018 10:39:52	1,272.42	5
OH Other	PLANNED OUTAGE	04/12/2018 10:40:01	1,022.33	4
OH Other	PLANNED OUTAGE	04/12/2018 10:47:01	9,031.00	20
OH Other	PLANNED OUTAGE	04/12/2018 11:12:55	786.80	8
OH Other	PLANNED OUTAGE	04/12/2018 11:14:12	777.60	8
OH Other	PLANNED OUTAGE	04/12/2018 11:27:49	1,327.65	9
URD Outage	PLANNED OUTAGE	04/12/2018 13:09:56	6,487.25	21
OH Other	PLANNED OUTAGE	04/12/2018 13:13:59	207.33	5
OH Other	PLANNED OUTAGE	04/12/2018 14:10:20	989.67	4
URD Outage	PLANNED OUTAGE	04/12/2018 21:43:24	1,302.13	2
URD Outage	PLANNED OUTAGE	04/12/2018 22:47:06	340.10	2
URD Outage	PLANNED OUTAGE	04/12/2018 23:24:04	1,409.22	7
URD Outage	PLANNED OUTAGE	04/13/2018 01:16:03	207.38	1
URD Outage	PLANNED OUTAGE	04/13/2018 01:16:03	1,975.05	19
URD Outage	PLANNED OUTAGE	04/13/2018 01:16:03	415.80	4
OH Other	PLANNED OUTAGE	04/13/2018 08:25:13	7,948.50	15
OH Other	PLANNED OUTAGE	04/13/2018 09:05:25	1,306.90	7
OH Other	PLANNED OUTAGE	04/13/2018 09:05:39	1,686.60	9
URD Outage	PLANNED OUTAGE	04/13/2018 09:28:33	919.50	10
URD Outage	PLANNED OUTAGE	04/13/2018 09:37:29	766.00	2
OH Other	PLANNED OUTAGE	04/13/2018 10:09:13	179.70	3
OH Other	PLANNED OUTAGE	04/13/2018 10:51:07	1,297.80	9
OH Other	PLANNED OUTAGE	04/13/2018 12:14:29	187.30	2
OH Other	PLANNED OUTAGE	04/13/2018 13:39:22	389.50	5
URD Outage	PLANNED OUTAGE	04/13/2018 14:17:48	276.10	3
OH Other	PLANNED OUTAGE	04/13/2018 19:30:32	4,574.50	14
URD Outage	PLANNED OUTAGE	04/14/2018 09:02:43	146.38	1
URD Outage	PLANNED OUTAGE	04/14/2018 09:07:45	375.93	1
OH Other	PLANNED OUTAGE	04/14/2018 09:39:07	74.93	4
URD Outage	PLANNED OUTAGE	04/14/2018 09:55:03	371.47	1
URD Outage	PLANNED OUTAGE	04/14/2018 10:59:02	31,736.25	117
OH Other	PLANNED OUTAGE	04/14/2018 11:19:19	25.93	1
URD Outage	PLANNED OUTAGE	04/14/2018 23:44:41	1,081.80	18
OH Other	PLANNED OUTAGE	04/15/2018 02:19:25	121.27	4

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
Circuit Out	PLANNED OUTAGE	04/16/2018 00:13:37	8,122.40	852
Circuit Out	PLANNED OUTAGE	04/16/2018 00:54:17	5,964.00	852
Circuit Out	PLANNED OUTAGE	04/16/2018 01:14:45	4,444.60	852
OH Other	PLANNED OUTAGE	04/16/2018 03:38:10	3,600.47	212
OH Other	PLANNED OUTAGE	04/16/2018 08:06:38	1,927.87	4
OH Other	PLANNED OUTAGE	04/16/2018 08:06:49	2,409.42	5
OH Other	PLANNED OUTAGE	04/16/2018 08:50:52	5,257.60	12
OH Other	PLANNED OUTAGE	04/16/2018 09:09:13	533.60	2
OH Other	PLANNED OUTAGE	04/16/2018 09:20:33	107.03	1
OH Other	PLANNED OUTAGE	04/16/2018 09:28:22	4,409.35	11
OH Other	PLANNED OUTAGE	04/16/2018 09:42:14	1,237.10	3
OH Other	PLANNED OUTAGE	04/16/2018 09:59:35	2,213.73	8
URD Outage	PLANNED OUTAGE	04/16/2018 10:30:57	8,165.00	75
OH Other	PLANNED OUTAGE	04/16/2018 10:41:26	868.85	3
OH Other	PLANNED OUTAGE	04/16/2018 11:07:58	1,652.00	7
OH Other	PLANNED OUTAGE	04/16/2018 11:40:51	1,647.87	8
OH Other	PLANNED OUTAGE	04/16/2018 20:02:38	405.60	13
URD Outage	PLANNED OUTAGE	04/16/2018 20:20:35	933.45	3
PLF	PLANNED OUTAGE	04/17/2018 09:03:14	25.10	1
TX Repaired (OH)	PLANNED OUTAGE	04/17/2018 09:08:52	1,898.17	5
TX Repaired (OH)	PLANNED OUTAGE	04/17/2018 09:19:53	1,277.75	5
TX Repaired (PM)	PLANNED OUTAGE	04/17/2018 09:29:22	410.08	7
PLF	PLANNED OUTAGE	04/17/2018 09:36:03	1,150.77	46
TX Repaired (OH)	PLANNED OUTAGE	04/17/2018 09:54:09	3,100.05	9
Switchgear	PLANNED OUTAGE	04/17/2018 10:07:59	883.85	3
TX Repaired (OH)	PLANNED OUTAGE	04/17/2018 10:14:28	3,245.50	10
TX Repaired (PM)	PLANNED OUTAGE	04/17/2018 10:25:57	231.20	8
PLF	PLANNED OUTAGE	04/17/2018 10:32:02	1,053.40	6
TX Repaired (OH)	PLANNED OUTAGE	04/17/2018 11:05:32	869.75	15
TX Repaired (OH)	PLANNED OUTAGE	04/17/2018 11:05:51	273.90	6
TX Repaired (OH)	PLANNED OUTAGE	04/17/2018 11:50:35	478.40	2
TX Repaired (OH)	PLANNED OUTAGE	04/17/2018 12:58:13	251.53	2
PLF	PLANNED OUTAGE	04/17/2018 13:36:22	127.27	1
TX Repaired (OH)	PLANNED OUTAGE	04/17/2018 13:37:22	707.60	6
TX Repaired (OH)	PLANNED OUTAGE	04/17/2018 13:53:32	867.33	10
OH Other	PLANNED OUTAGE	04/18/2018 07:59:20	52.08	1
OH Other	PLANNED OUTAGE	04/18/2018 09:23:57	1,814.92	5
OH Other	PLANNED OUTAGE	04/18/2018 09:32:14	409.08	5
PLF	PLANNED OUTAGE	04/18/2018 09:41:34	109.35	1
UG Other	PLANNED OUTAGE	04/18/2018 09:48:06	22.10	1
OH Other	PLANNED OUTAGE	04/18/2018 09:59:41	263.70	2
OH Other	PLANNED OUTAGE	04/18/2018 10:08:10	1,604.83	5
PLF	PLANNED OUTAGE	04/18/2018 11:32:07	2,314.00	15
OH Other	PLANNED OUTAGE	04/18/2018 12:47:58	1,601.00	10
TX Repaired (PM)	PLANNED OUTAGE	04/19/2018 08:38:49	163.93	4
TX Repaired (OH)	PLANNED OUTAGE	04/19/2018 08:41:18	1,689.33	8
TX Repaired (OH)	PLANNED OUTAGE	04/19/2018 09:01:24	1,805.00	5
TX Repaired (OH)	PLANNED OUTAGE	04/19/2018 09:08:07	1,000.13	8
TX Repaired (OH)	PLANNED OUTAGE	04/19/2018 09:19:30	3,843.93	14
TX Repaired (OH)	PLANNED OUTAGE	04/19/2018 09:32:07	2,184.93	8
TX Repaired (OH)	PLANNED OUTAGE	04/19/2018 09:36:07	2,677.03	7
TX Repaired (OH)	PLANNED OUTAGE	04/19/2018 09:38:47	1,132.00	16

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
TX Repaired (OH)	PLANNED OUTAGE	04/19/2018 09:59:07	1,513.25	5
TX Repaired (PM)	PLANNED OUTAGE	04/19/2018 10:00:17	107.40	3
PLF	PLANNED OUTAGE	04/19/2018 10:14:56	1,973.30	3
TX Repaired (OH)	PLANNED OUTAGE	04/19/2018 10:20:27	1,380.00	20
TX Repaired (OH)	PLANNED OUTAGE	04/19/2018 10:34:58	584.30	2
TX Repaired (OH)	PLANNED OUTAGE	04/19/2018 11:22:39	250.07	4
TX Repaired (OH)	PLANNED OUTAGE	04/19/2018 11:33:03	405.83	5
TX Repaired (OH)	PLANNED OUTAGE	04/19/2018 13:22:33	338.60	6
TX Repaired (OH)	PLANNED OUTAGE	04/19/2018 13:29:49	832.40	8
PLF	PLANNED OUTAGE	04/20/2018 03:40:22	1,577.80	23
OH Other	PLANNED OUTAGE	04/20/2018 08:39:22	57.95	1
OH Other	PLANNED OUTAGE	04/20/2018 08:53:03	2,066.27	4
OH Other	PLANNED OUTAGE	04/20/2018 09:32:39	578.00	15
UG Other	PLANNED OUTAGE	04/20/2018 10:08:29	1,014.23	2
OH Other	PLANNED OUTAGE	04/20/2018 11:27:08	41.65	3
OH Other	PLANNED OUTAGE	04/20/2018 11:44:53	113.70	1
PLF	PLANNED OUTAGE	04/20/2018 13:53:52	418.92	11
PLF	PLANNED OUTAGE	04/20/2018 17:54:49	1,128.80	17
OH Other	PLANNED OUTAGE	04/21/2018 04:12:38	59.05	3
OH Other	PLANNED OUTAGE	04/21/2018 04:33:12	307.85	3
PLF	PLANNED OUTAGE	04/21/2018 08:20:33	84.03	1
OH Other	PLANNED OUTAGE	04/21/2018 11:05:32	366.90	6
OH Other	PLANNED OUTAGE	04/21/2018 16:51:49	173.90	6
OH Other	PLANNED OUTAGE	04/21/2018 20:44:51	344.53	4
PLF	PLANNED OUTAGE	04/22/2018 09:42:57	137.05	1
OH Other	PLANNED OUTAGE	04/22/2018 10:37:42	5.00	1
UG Other	PLANNED OUTAGE	04/22/2018 15:03:16	74.30	2
Step Restoration	PLANNED OUTAGE	04/23/2018 02:48:21	4,105.83	26
UG Other	PLANNED OUTAGE	04/23/2018 02:48:21	8,628.35	51
OH Other	PLANNED OUTAGE	04/23/2018 08:05:19	649.50	5
Service - Non Crew	PLANNED OUTAGE	04/23/2018 08:21:11	814.95	1
OH Other	PLANNED OUTAGE	04/23/2018 08:38:27	143.73	7
OH Other	PLANNED OUTAGE	04/23/2018 08:42:47	951.23	2
PLF	PLANNED OUTAGE	04/23/2018 08:54:52	351.22	1
OH Other	PLANNED OUTAGE	04/23/2018 10:04:10	719.53	4
OH Other	PLANNED OUTAGE	04/23/2018 10:07:44	1,838.32	7
OH Other	PLANNED OUTAGE	04/23/2018 10:09:58	3,192.33	10
UG Other	PLANNED OUTAGE	04/23/2018 10:17:43	334.05	9
UG Other	PLANNED OUTAGE	04/23/2018 10:17:43	334.05	9
OH Other	PLANNED OUTAGE	04/23/2018 15:24:39	4,958.13	16
OH Other	PLANNED OUTAGE	04/23/2018 17:33:15	64.52	1
Circuit Out	PLANNED OUTAGE	04/23/2018 19:27:21	8,687.43	1247
OH Other	PLANNED OUTAGE	04/24/2018 07:38:07	699.53	4
OH Other	PLANNED OUTAGE	04/24/2018 08:49:08	2,294.80	6
OH Other	PLANNED OUTAGE	04/24/2018 08:54:27	1,083.45	3
OH Other	PLANNED OUTAGE	04/24/2018 09:13:21	130.13	2
OH Other	PLANNED OUTAGE	04/24/2018 09:23:08	1,554.80	4
PLF	PLANNED OUTAGE	04/24/2018 09:37:00	932.47	4
UG Other	PLANNED OUTAGE	04/24/2018 11:25:35	878.00	30
OH Other	PLANNED OUTAGE	04/24/2018 11:51:01	1,587.25	7
OH Other	PLANNED OUTAGE	04/24/2018 11:52:18	969.53	4
OH Other	PLANNED OUTAGE	04/24/2018 14:14:14	74.53	1

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
UG Other	PLANNED OUTAGE	04/24/2018 17:59:28	879.80	6
OH Other	PLANNED OUTAGE	04/25/2018 08:22:35	1,966.20	4
OH Other	PLANNED OUTAGE	04/25/2018 08:33:09	2,009.90	6
OH Other	PLANNED OUTAGE	04/25/2018 10:41:48	231.92	1
OH Other	PLANNED OUTAGE	04/25/2018 10:51:17	1,367.50	10
OH Other	PLANNED OUTAGE	04/25/2018 11:00:24	1,087.17	5
OH Other	PLANNED OUTAGE	04/25/2018 11:21:36	191.93	4
OH Other	PLANNED OUTAGE	04/25/2018 11:33:44	946.90	17
UG Other	PLANNED OUTAGE	04/25/2018 12:01:11	594.40	24
OH Other	PLANNED OUTAGE	04/25/2018 12:23:42	938.35	7
OH Other	PLANNED OUTAGE	04/25/2018 13:41:12	460.00	5
OH Other	PLANNED OUTAGE	04/25/2018 14:06:36	2,836.53	16
UG Other	PLANNED OUTAGE	04/26/2018 00:21:27	25,000.87	94
Connections	PLANNED OUTAGE	04/26/2018 08:11:49	505.80	1
OH Other	PLANNED OUTAGE	04/26/2018 08:33:18	1,754.92	5
UG Other	PLANNED OUTAGE	04/26/2018 09:25:15	1,039.60	12
OH Other	PLANNED OUTAGE	04/26/2018 09:52:44	949.40	6
OH Other	PLANNED OUTAGE	04/26/2018 10:07:59	3,828.50	13
OH Other	PLANNED OUTAGE	04/26/2018 10:09:03	1,227.33	4
UG Other	PLANNED OUTAGE	04/26/2018 11:07:27	566.70	9
OH Other	PLANNED OUTAGE	04/26/2018 12:37:08	227.02	1
OH Other	PLANNED OUTAGE	04/26/2018 13:05:11	1,798.80	9
UG Other	PLANNED OUTAGE	04/26/2018 21:51:15	2,442.93	16
PLF	PLANNED OUTAGE	04/27/2018 00:47:00	37,496.33	509
OH Other	PLANNED OUTAGE	04/27/2018 06:14:43	1,609.40	6
OH Other	PLANNED OUTAGE	04/27/2018 08:53:16	3,390.75	11
OH Other	PLANNED OUTAGE	04/27/2018 09:00:10	1,005.20	12
UG Other	PLANNED OUTAGE	04/27/2018 09:16:24	437.58	5
PLF	PLANNED OUTAGE	04/27/2018 09:26:34	194.00	1
UG Other	PLANNED OUTAGE	04/27/2018 09:29:12	741.45	9
PLF	PLANNED OUTAGE	04/27/2018 09:53:48	104.95	3
OH Other	PLANNED OUTAGE	04/27/2018 14:12:57	288.45	9
OH Other	PLANNED OUTAGE	04/27/2018 14:39:12	1,795.15	7
OH Other	PLANNED OUTAGE	04/28/2018 08:16:17	3,936.50	10
OH Other	PLANNED OUTAGE	04/28/2018 11:04:05	1,439.77	47
OH Other	PLANNED OUTAGE	04/28/2018 11:47:30	1,643.10	9
OH Other	PLANNED OUTAGE	04/28/2018 16:25:41	447.27	2
OH Other	PLANNED OUTAGE	04/28/2018 17:08:09	27.00	1
Circuit Out	PLANNED OUTAGE	04/29/2018 06:35:49	2,033.10	486
OH Other	PLANNED OUTAGE	04/29/2018 07:12:58	1,137.00	3
OH Other	PLANNED OUTAGE	04/29/2018 07:32:19	721.53	2
OH Other	PLANNED OUTAGE	04/29/2018 08:44:27	4,232.80	208
Circuit Out	PLANNED OUTAGE	04/29/2018 08:47:29	3,961.23	1574
PLF	PLANNED OUTAGE	04/29/2018 11:25:58	1,843.97	22
OH Other	PLANNED OUTAGE	04/29/2018 14:36:16	139.70	11
UG Other	PLANNED OUTAGE	04/29/2018 15:08:01	689.00	5
OH Other	PLANNED OUTAGE	04/30/2018 09:07:54	3,068.33	7
OH Other	PLANNED OUTAGE	04/30/2018 09:23:28	4,634.12	11
OH Other	PLANNED OUTAGE	04/30/2018 10:51:59	3,399.33	8
OH Other	PLANNED OUTAGE	04/30/2018 11:48:47	251.87	1
OH Other	PLANNED OUTAGE	04/30/2018 12:23:41	574.93	7
OH Other	PLANNED OUTAGE	04/30/2018 13:03:50	320.45	3

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	04/30/2018 13:16:39	184.00	8
OH Other	PLANNED OUTAGE	05/01/2018 05:37:13	10,949.53	23
OH Other	PLANNED OUTAGE	05/01/2018 08:47:40	271.33	2
OH Other	PLANNED OUTAGE	05/01/2018 08:52:38	2,668.05	11
OH Other	PLANNED OUTAGE	05/01/2018 09:10:08	960.93	8
UG Other	PLANNED OUTAGE	05/01/2018 09:12:22	172.22	1
OH Other	PLANNED OUTAGE	05/01/2018 09:28:52	3,031.00	6
OH Other	PLANNED OUTAGE	05/01/2018 09:43:05	4,910.33	10
OH Other	PLANNED OUTAGE	05/01/2018 09:51:58	732.87	4
OH Other	PLANNED OUTAGE	05/01/2018 10:03:56	725.70	2
UG Other	PLANNED OUTAGE	05/01/2018 10:29:30	347.67	4
UG Other	PLANNED OUTAGE	05/01/2018 10:29:30	1,132.83	5
UG Other	PLANNED OUTAGE	05/01/2018 10:29:30	1,401.25	5
UG Other	PLANNED OUTAGE	05/01/2018 10:29:30	1,692.40	6
UG Other	PLANNED OUTAGE	05/01/2018 10:29:30	845.90	3
OH Other	PLANNED OUTAGE	05/01/2018 11:15:42	98.33	5
UG Other	PLANNED OUTAGE	05/01/2018 11:29:01	4,833.40	26
OH Other	PLANNED OUTAGE	05/01/2018 12:16:07	569.00	5
PLF	PLANNED OUTAGE	05/01/2018 12:34:52	419.68	13
OH Other	PLANNED OUTAGE	05/01/2018 12:53:26	381.30	3
OH Other	PLANNED OUTAGE	05/01/2018 14:12:34	1,290.60	9
OH Other	PLANNED OUTAGE	05/02/2018 06:39:22	42.22	1
URD Outage	PLANNED OUTAGE	05/02/2018 08:57:43	589.60	16
OH Other	PLANNED OUTAGE	05/02/2018 09:03:38	630.33	2
OH Other	PLANNED OUTAGE	05/02/2018 10:02:17	1,028.73	4
URD Outage	PLANNED OUTAGE	05/02/2018 10:06:22	634.70	11
URD Outage	PLANNED OUTAGE	05/02/2018 10:23:04	312.75	5
OH Other	PLANNED OUTAGE	05/02/2018 10:27:27	2,249.85	9
OH Other	PLANNED OUTAGE	05/02/2018 10:46:21	1,230.30	3
OH Other	PLANNED OUTAGE	05/02/2018 10:46:33	2,869.88	7
OH Other	PLANNED OUTAGE	05/02/2018 12:41:52	293.03	1
OH Other	PLANNED OUTAGE	05/02/2018 13:23:42	460.60	7
OH Other	PLANNED OUTAGE	05/02/2018 15:54:59	2,551.03	29
OH Other	PLANNED OUTAGE	05/03/2018 06:42:54	425.43	2
OH Other	PLANNED OUTAGE	05/03/2018 08:46:13	489.30	2
OH Other	PLANNED OUTAGE	05/03/2018 09:04:23	1,228.27	2
OH Other	PLANNED OUTAGE	05/03/2018 09:16:19	1,497.53	7
OH Other	PLANNED OUTAGE	05/03/2018 09:16:40	1,715.33	8
OH Other	PLANNED OUTAGE	05/03/2018 09:43:03	1,860.13	7
OH Other	PLANNED OUTAGE	05/03/2018 09:53:35	1,790.33	10
OH Other	PLANNED OUTAGE	05/03/2018 09:55:22	4,954.20	12
OH Other	PLANNED OUTAGE	05/03/2018 10:47:10	1,029.93	4
OH Other	PLANNED OUTAGE	05/03/2018 11:03:34	114.62	1
URD Outage	PLANNED OUTAGE	05/03/2018 11:10:49	177.07	1
OH Other	PLANNED OUTAGE	05/03/2018 11:14:59	1,189.05	9
OH Other	PLANNED OUTAGE	05/03/2018 12:19:27	921.50	5
OH Other	PLANNED OUTAGE	05/03/2018 12:20:16	366.13	2
OH Other	PLANNED OUTAGE	05/03/2018 13:30:51	489.40	12
OH Other	PLANNED OUTAGE	05/03/2018 13:35:31	1,538.13	14
OH Other	PLANNED OUTAGE	05/04/2018 08:25:48	284.13	4
OH Other	PLANNED OUTAGE	05/04/2018 09:00:15	2,190.00	8
OH Other	PLANNED OUTAGE	05/04/2018 09:24:34	2,758.80	33

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	05/04/2018 09:51:12	601.33	4
Circuit Out	PLANNED OUTAGE	05/04/2018 10:19:32	6,884.80	1986
OH Other	PLANNED OUTAGE	05/04/2018 14:31:51	64.53	2
OH Other	PLANNED OUTAGE	05/04/2018 17:29:20	1,575.75	15
URD Outage	PLANNED OUTAGE	05/04/2018 17:35:05	113.73	2
OH Other	PLANNED OUTAGE	05/05/2018 08:42:56	292.65	3
URD Outage	PLANNED OUTAGE	05/05/2018 10:11:40	278.13	1
Circuit Out	PLANNED OUTAGE	05/05/2018 17:36:05	8,490.93	1873
OH Other	PLANNED OUTAGE	05/05/2018 20:46:10	536.90	13
OH Other	PLANNED OUTAGE	05/05/2018 22:10:48	20.75	1
OCR, Sec.	PLANNED OUTAGE	05/06/2018 07:15:14	45.20	12
OH Other	PLANNED OUTAGE	05/06/2018 08:30:24	207.58	1
URD Outage	PLANNED OUTAGE	05/06/2018 08:40:09	111.45	1
OH Other	PLANNED OUTAGE	05/06/2018 11:58:40	427.03	1
OH Other	PLANNED OUTAGE	05/06/2018 12:09:21	1,730.60	4
Circuit Out	PLANNED OUTAGE	05/06/2018 13:31:18	11,753.70	1351
OH Other	PLANNED OUTAGE	05/07/2018 06:16:04	194.13	16
OH Other	PLANNED OUTAGE	05/07/2018 08:47:32	743.27	2
OH Other	PLANNED OUTAGE	05/07/2018 09:33:40	1,007.75	5
OH Other	PLANNED OUTAGE	05/07/2018 10:26:43	755.80	6
OH Other	PLANNED OUTAGE	05/07/2018 10:38:21	233.12	1
Circuit Out	PLANNED OUTAGE	05/07/2018 11:14:49	2,559.10	489
OH Other	PLANNED OUTAGE	05/07/2018 13:25:08	4,200.52	13
OH Other	PLANNED OUTAGE	05/08/2018 08:14:45	1,589.70	6
OH Other	PLANNED OUTAGE	05/08/2018 08:27:39	708.77	2
OH Other	PLANNED OUTAGE	05/08/2018 09:01:02	96.72	1
OH Other	PLANNED OUTAGE	05/08/2018 09:19:34	679.08	5
OH Other	PLANNED OUTAGE	05/08/2018 09:20:58	714.90	2
URD Outage	PLANNED OUTAGE	05/08/2018 09:54:36	402.10	6
OH Other	PLANNED OUTAGE	05/08/2018 10:00:48	851.23	2
URD Outage	PLANNED OUTAGE	05/08/2018 10:01:06	480.20	2
OH Other	PLANNED OUTAGE	05/08/2018 10:07:29	2,098.33	5
OH Other	PLANNED OUTAGE	05/08/2018 10:15:23	334.07	4
OH Other	PLANNED OUTAGE	05/08/2018 10:16:02	165.42	1
UG Other	PLANNED OUTAGE	05/08/2018 10:16:49	259.07	8
PLF	PLANNED OUTAGE	05/08/2018 10:21:50	2,772.50	50
PLF	PLANNED OUTAGE	05/08/2018 10:21:50	336.97	22
OH Other	PLANNED OUTAGE	05/08/2018 11:16:29	221.37	2
OH Other	PLANNED OUTAGE	05/08/2018 11:44:14	326.55	9
OH Other	PLANNED OUTAGE	05/08/2018 14:41:00	879.50	6
OH Other	PLANNED OUTAGE	05/09/2018 08:01:05	884.67	8
OH Other	PLANNED OUTAGE	05/09/2018 08:41:01	553.93	2
OH Other	PLANNED OUTAGE	05/09/2018 08:49:56	451.20	3
OH Other	PLANNED OUTAGE	05/09/2018 08:54:26	819.47	14
OH Other	PLANNED OUTAGE	05/09/2018 08:55:52	1,357.13	4
OH Other	PLANNED OUTAGE	05/09/2018 08:58:16	1,235.40	12
OH Other	PLANNED OUTAGE	05/09/2018 09:02:48	420.40	3
OH Other	PLANNED OUTAGE	05/09/2018 09:46:36	3,327.25	15
OH Other	PLANNED OUTAGE	05/09/2018 09:51:51	146.50	10
OH Other	PLANNED OUTAGE	05/09/2018 10:01:35	1,497.07	4
OH Other	PLANNED OUTAGE	05/09/2018 10:52:01	148.77	1
OH Other	PLANNED OUTAGE	05/09/2018 12:15:15	694.83	11

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	05/09/2018 13:06:48	2,374.05	9
URD Outage	PLANNED OUTAGE	05/09/2018 13:24:08	666.75	9
OH Other	PLANNED OUTAGE	05/09/2018 14:06:20	1,506.90	6
OH Other	PLANNED OUTAGE	05/09/2018 15:38:28	624.93	4
OH Other	PLANNED OUTAGE	05/09/2018 15:42:23	110.95	1
OH Other	PLANNED OUTAGE	05/09/2018 16:14:59	385.00	5
OH Other	PLANNED OUTAGE	05/09/2018 18:52:26	1,088.55	3
OH Other	PLANNED OUTAGE	05/10/2018 07:26:44	1,432.55	7
OH Other	PLANNED OUTAGE	05/10/2018 09:19:22	1,574.00	10
OH Other	PLANNED OUTAGE	05/10/2018 09:59:52	905.08	5
URD Outage	PLANNED OUTAGE	05/10/2018 10:22:25	32.57	1
OH Other	PLANNED OUTAGE	05/10/2018 11:26:40	54.45	1
OH Other	PLANNED OUTAGE	05/10/2018 12:35:05	3,793.83	65
OH Other	PLANNED OUTAGE	05/10/2018 13:03:52	3,901.62	131
OH Other	PLANNED OUTAGE	05/10/2018 14:03:21	1,211.13	4
OH Other	PLANNED OUTAGE	05/10/2018 15:25:06	639.50	6
OH Other	PLANNED OUTAGE	05/10/2018 15:33:51	687.75	7
OH Other	PLANNED OUTAGE	05/10/2018 16:25:23	278.42	1
OH Other	PLANNED OUTAGE	05/10/2018 17:12:03	995.90	23
OH Other	PLANNED OUTAGE	05/10/2018 17:39:33	668.30	6
OH Other	PLANNED OUTAGE	05/10/2018 19:59:04	1,474.73	11
OH Other	PLANNED OUTAGE	05/11/2018 06:39:28	1,855.87	8
URD Outage	PLANNED OUTAGE	05/11/2018 09:09:43	501.98	1
URD Outage	PLANNED OUTAGE	05/11/2018 11:51:29	675.15	7
PLF	PLANNED OUTAGE	05/12/2018 08:50:02	223.87	1
OH Other	PLANNED OUTAGE	05/12/2018 16:14:30	562.73	2
OH Other	PLANNED OUTAGE	05/12/2018 20:03:16	194.50	3
OH Other	PLANNED OUTAGE	05/14/2018 09:32:27	379.60	2
Circuit Out	PLANNED OUTAGE	05/14/2018 10:35:04	14,456.00	2085
OH Other	PLANNED OUTAGE	05/14/2018 12:00:36	1,008.45	9
OH Other	PLANNED OUTAGE	05/14/2018 14:24:39	72.38	1
URD Outage	PLANNED OUTAGE	05/14/2018 14:40:00	1,722.87	86
PLF	PLANNED OUTAGE	05/15/2018 07:59:22	1,709.93	4
OH Other	PLANNED OUTAGE	05/15/2018 08:40:02	172.83	1
OH Other	PLANNED OUTAGE	05/15/2018 08:59:19	1,470.93	4
OH Other	PLANNED OUTAGE	05/15/2018 09:11:02	1,085.90	2
OH Other	PLANNED OUTAGE	05/15/2018 09:11:15	3,255.30	6
OH Other	PLANNED OUTAGE	05/15/2018 09:11:22	3,796.10	7
TX Repaired (PM)	PLANNED OUTAGE	05/15/2018 09:41:48	2,232.00	31
PLF	PLANNED OUTAGE	05/15/2018 10:11:53	445.00	3
PLF	PLANNED OUTAGE	05/15/2018 10:14:37	1,173.00	4
OH Other	PLANNED OUTAGE	05/15/2018 11:05:18	84.70	1
URD Outage	PLANNED OUTAGE	05/15/2018 11:29:17	159.13	4
OH Other	PLANNED OUTAGE	05/15/2018 12:16:03	630.47	7
UG Other	PLANNED OUTAGE	05/15/2018 13:16:39	1,858.33	25
OH Other	PLANNED OUTAGE	05/15/2018 13:57:51	357.10	6
OH Other	PLANNED OUTAGE	05/15/2018 15:34:28	319.70	2
OH Other	PLANNED OUTAGE	05/15/2018 18:36:29	734.83	10
Step Restoration	PLANNED OUTAGE	05/15/2018 21:18:49	594,622.60	1326
Circuit Out	PLANNED OUTAGE	05/15/2018 21:29:36	63,907.20	2853
Circuit Out	PLANNED OUTAGE	05/15/2018 22:37:38	19,890.00	1326
Circuit Out	PLANNED OUTAGE	05/16/2018 04:28:14	24,884.60	1326

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	05/16/2018 08:01:55	64.65	3
OH Other	PLANNED OUTAGE	05/16/2018 08:48:59	20,147.28	61
OH Other	PLANNED OUTAGE	05/16/2018 09:01:15	818.85	3
OH Other	PLANNED OUTAGE	05/16/2018 09:14:11	493.27	4
UG Other	PLANNED OUTAGE	05/16/2018 09:29:51	1,465.78	31
OH Other	PLANNED OUTAGE	05/16/2018 09:38:29	2,722.83	10
OH Other	PLANNED OUTAGE	05/16/2018 10:02:13	212.30	1
PLF	PLANNED OUTAGE	05/16/2018 10:14:29	4,652.15	57
PLF	PLANNED OUTAGE	05/16/2018 10:38:02	1,573.25	5
OH Other	PLANNED OUTAGE	05/16/2018 10:57:03	307.13	2
OH Other	PLANNED OUTAGE	05/16/2018 11:15:27	1,380.92	5
OH Other	PLANNED OUTAGE	05/16/2018 13:24:52	496.83	10
UG Other	PLANNED OUTAGE	05/16/2018 14:12:35	256.27	4
Step Restoration	PLANNED OUTAGE	05/16/2018 14:12:35	1,793.87	28
Connections	PLANNED OUTAGE	05/17/2018 07:35:15	212.13	1
OH Other	PLANNED OUTAGE	05/17/2018 08:00:01	216.67	5
OH Other	PLANNED OUTAGE	05/17/2018 08:05:29	97.07	2
OH Other	PLANNED OUTAGE	05/17/2018 08:50:10	1,025.00	3
OH Other	PLANNED OUTAGE	05/17/2018 09:16:49	473.33	2
OH Other	PLANNED OUTAGE	05/17/2018 10:02:12	203.35	7
OH Other	PLANNED OUTAGE	05/17/2018 10:14:11	2,089.20	8
OH Other	PLANNED OUTAGE	05/17/2018 10:32:40	6,673.60	16
OH Other	PLANNED OUTAGE	05/17/2018 10:41:01	699.80	3
OH Other	PLANNED OUTAGE	05/17/2018 10:45:37	182.65	3
OH Other	PLANNED OUTAGE	05/17/2018 10:45:54	716.33	7
OH Other	PLANNED OUTAGE	05/17/2018 12:23:47	378.20	4
URD Outage	PLANNED OUTAGE	05/17/2018 14:34:12	5,165.07	28
OH Other	PLANNED OUTAGE	05/18/2018 03:21:45	498.13	8
OH Other	PLANNED OUTAGE	05/18/2018 09:40:56	761.37	13
OH Other	PLANNED OUTAGE	05/18/2018 09:44:05	539.57	2
OH Other	PLANNED OUTAGE	05/18/2018 09:47:01	3,873.87	16
PLF	PLANNED OUTAGE	05/19/2018 00:09:05	2,375.90	46
PLF	PLANNED OUTAGE	05/19/2018 18:34:57	190.85	33
OH Other	PLANNED OUTAGE	05/21/2018 12:51:25	755.90	6
OH Other	PLANNED OUTAGE	05/21/2018 14:47:01	372.60	2
Circuit Out	PLANNED OUTAGE	05/21/2018 22:25:06	49,584.27	1052
OH Other	PLANNED OUTAGE	05/22/2018 07:51:22	2,665.60	8
OH Other	PLANNED OUTAGE	05/22/2018 08:10:57	107.33	4
OH Other	PLANNED OUTAGE	05/22/2018 08:33:04	2,044.00	7
OH Other	PLANNED OUTAGE	05/22/2018 09:32:54	697.10	3
OH Other	PLANNED OUTAGE	05/22/2018 09:47:02	307.75	1
OH Other	PLANNED OUTAGE	05/22/2018 15:45:27	405.15	3
OH Other	PLANNED OUTAGE	05/22/2018 16:08:05	2,269.33	1184
OH Other	PLANNED OUTAGE	05/23/2018 08:46:56	36.17	2
OH Other	PLANNED OUTAGE	05/23/2018 08:57:54	479.70	6
OH Other	PLANNED OUTAGE	05/23/2018 09:03:15	1,363.92	5
OH Other	PLANNED OUTAGE	05/23/2018 09:04:33	2,005.62	7
OH Other	PLANNED OUTAGE	05/23/2018 09:08:53	602.00	4
OH Other	PLANNED OUTAGE	05/23/2018 11:02:12	985.80	9
OH Other	PLANNED OUTAGE	05/23/2018 11:53:07	1,403.55	9
OH Other	PLANNED OUTAGE	05/23/2018 12:08:01	1,597.98	7
OH Other	PLANNED OUTAGE	05/23/2018 22:14:25	130.90	11

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	05/24/2018 08:00:00	14,760.00	41
OH Other	PLANNED OUTAGE	05/24/2018 08:04:53	409.97	7
OH Other	PLANNED OUTAGE	05/24/2018 08:58:37	1,255.53	4
PLF	PLANNED OUTAGE	05/24/2018 09:08:30	3,659.33	11
OH Other	PLANNED OUTAGE	05/24/2018 09:37:44	1,627.97	7
PLF	PLANNED OUTAGE	05/24/2018 10:28:22	2,277.83	10
OH Other	PLANNED OUTAGE	05/24/2018 13:11:09	2,162.93	16
OH Other	PLANNED OUTAGE	05/24/2018 13:22:09	144.25	3
OH Other	PLANNED OUTAGE	05/24/2018 16:00:12	604.80	12
Circuit Out	PLANNED OUTAGE	05/25/2018 00:36:17	28,130.00	2175
URD Outage	PLANNED OUTAGE	05/25/2018 03:23:37	829.40	13
OH Other	PLANNED OUTAGE	05/25/2018 05:38:58	312.75	9
OH Other	PLANNED OUTAGE	05/25/2018 05:43:00	58.70	3
OH Other	PLANNED OUTAGE	05/25/2018 10:03:14	79.88	1
URD Outage	PLANNED OUTAGE	05/25/2018 13:23:00	12,393.33	80
OH Other	PLANNED OUTAGE	05/25/2018 18:42:10	456.27	8
OH Other	PLANNED OUTAGE	05/25/2018 20:37:14	849.58	25
PLF	PLANNED OUTAGE	05/26/2018 08:59:07	191.65	1
OH Other	PLANNED OUTAGE	05/26/2018 14:36:23	4,027.20	16
PLF	PLANNED OUTAGE	05/26/2018 14:46:53	304.45	3
OH Other	PLANNED OUTAGE	05/26/2018 15:32:53	3,332.77	13
OH Other	PLANNED OUTAGE	05/28/2018 01:15:14	12,984.92	695
UG Other	PLANNED OUTAGE	05/29/2018 08:59:30	769.60	8
UG Other	PLANNED OUTAGE	05/29/2018 09:05:49	297.73	4
OH Other	PLANNED OUTAGE	05/29/2018 09:09:48	1,896.03	11
UG Other	PLANNED OUTAGE	05/29/2018 09:43:10	1,335.75	13
OH Other	PLANNED OUTAGE	05/29/2018 10:30:05	1,055.23	2
OH Other	PLANNED OUTAGE	05/29/2018 10:42:00	1,032.00	2
OH Other	PLANNED OUTAGE	05/29/2018 10:43:47	1,947.73	16
Circuit Out	PLANNED OUTAGE	05/29/2018 15:21:25	8,320.50	1849
UG Other	PLANNED OUTAGE	05/29/2018 16:07:48	1,631.25	9
OH Other	PLANNED OUTAGE	05/29/2018 16:57:18	845.10	6
OH Other	PLANNED OUTAGE	05/30/2018 05:44:01	3,539.12	17
UG Other	PLANNED OUTAGE	05/30/2018 08:19:31	135.67	1
UG Other	PLANNED OUTAGE	05/30/2018 10:14:20	526.05	1
OH Other	PLANNED OUTAGE	05/30/2018 11:15:43	248.90	6
OH Other	PLANNED OUTAGE	05/30/2018 12:56:04	451.80	3
URD Outage	PLANNED OUTAGE	05/30/2018 16:30:27	29,974.67	80
OH Other	PLANNED OUTAGE	05/31/2018 08:46:35	33.65	3
OH Other	PLANNED OUTAGE	05/31/2018 08:55:41	417.30	3
OH Other	PLANNED OUTAGE	05/31/2018 08:55:57	215.67	10
OH Other	PLANNED OUTAGE	05/31/2018 09:29:21	61.72	1
OH Other	PLANNED OUTAGE	05/31/2018 10:29:03	1,167.30	6
OH Other	PLANNED OUTAGE	05/31/2018 10:49:12	283.20	4
OH Other	PLANNED OUTAGE	05/31/2018 22:21:30	1,448.93	8
Circuit Out	PLANNED OUTAGE	05/31/2018 23:35:30	2,778.75	855
OH Other	PLANNED OUTAGE	06/01/2018 07:18:48	273.30	3
OH Other	PLANNED OUTAGE	06/01/2018 08:28:11	2,063.78	11
OH Other	PLANNED OUTAGE	06/01/2018 08:35:01	904.92	5
UG Other	PLANNED OUTAGE	06/01/2018 09:00:23	180.60	3
OH Other	PLANNED OUTAGE	06/01/2018 10:45:30	180.13	1
OH Other	PLANNED OUTAGE	06/01/2018 14:44:05	23.45	1

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
PLF	PLANNED OUTAGE	06/02/2018 08:31:51	2,897.18	19
OH Other	PLANNED OUTAGE	06/02/2018 08:51:12	2,728.00	11
PLF	PLANNED OUTAGE	06/02/2018 11:30:40	8,139.73	32
OH Other	PLANNED OUTAGE	06/02/2018 11:46:33	58.35	1
Meter Damaged	PLANNED OUTAGE	06/02/2018 15:47:06	172.32	1
TX Repaired (PM)	PLANNED OUTAGE	06/02/2018 20:55:41	929.60	6
UG Other	PLANNED OUTAGE	06/02/2018 21:25:53	1,650.27	8
OH Other	PLANNED OUTAGE	06/03/2018 08:53:05	46.93	1
URD Outage	PLANNED OUTAGE	06/03/2018 08:56:23	42.17	1
OH Other	PLANNED OUTAGE	06/03/2018 11:38:21	87.83	2
OH Other	PLANNED OUTAGE	06/04/2018 07:50:33	3,598.47	14
OH Other	PLANNED OUTAGE	06/04/2018 09:03:40	402.50	7
OH Other	PLANNED OUTAGE	06/04/2018 09:16:02	2,045.73	8
OH Other	PLANNED OUTAGE	06/04/2018 09:23:19	1,430.75	5
OH Other	PLANNED OUTAGE	06/04/2018 09:26:27	282.57	1
OH Other	PLANNED OUTAGE	06/04/2018 09:28:59	1,009.50	10
OH Other	PLANNED OUTAGE	06/04/2018 09:49:00	753.00	3
URD Outage	PLANNED OUTAGE	06/04/2018 10:09:43	4,644.47	46
OH Other	PLANNED OUTAGE	06/04/2018 10:12:57	496.10	2
OH Other	PLANNED OUTAGE	06/04/2018 10:15:05	6,506.50	39
Circuit Out	PLANNED OUTAGE	06/04/2018 10:24:36	7,954.20	1473
OH Other	PLANNED OUTAGE	06/04/2018 14:43:01	885.83	10
OH Other	PLANNED OUTAGE	06/04/2018 14:56:40	642.35	3
OH Other	PLANNED OUTAGE	06/05/2018 07:29:03	1,530.75	9
OH Other	PLANNED OUTAGE	06/05/2018 08:09:25	275.03	1
OH Other	PLANNED OUTAGE	06/05/2018 09:51:07	93.90	1
URD Outage	PLANNED OUTAGE	06/05/2018 09:55:53	502.70	6
OH Other	PLANNED OUTAGE	06/05/2018 10:12:39	574.45	1
OH Other	PLANNED OUTAGE	06/05/2018 10:17:18	159.60	3
OH Other	PLANNED OUTAGE	06/05/2018 10:35:46	220.47	1
UG Other	PLANNED OUTAGE	06/05/2018 11:10:05	303.43	1
OH Other	PLANNED OUTAGE	06/05/2018 11:16:32	8,132.15	39
OH Other	PLANNED OUTAGE	06/05/2018 11:57:02	1,087.02	13
Circuit Out	PLANNED OUTAGE	06/05/2018 12:18:35	2,102.10	1001
OH Other	PLANNED OUTAGE	06/05/2018 12:33:26	694.53	4
OH Other	PLANNED OUTAGE	06/05/2018 13:06:57	1,603.60	4
OH Other	PLANNED OUTAGE	06/05/2018 13:31:51	1,270.00	8
PLF	PLANNED OUTAGE	06/05/2018 17:51:05	2,215.20	48
OH Other	PLANNED OUTAGE	06/06/2018 08:18:44	3,467.25	9
URD Outage	PLANNED OUTAGE	06/06/2018 08:51:27	116.00	4
PLF	PLANNED OUTAGE	06/06/2018 09:00:00	35,608.15	93
OH Other	PLANNED OUTAGE	06/06/2018 10:09:17	2,199.20	8
OH Other	PLANNED OUTAGE	06/06/2018 11:07:45	431.37	2
Circuit Out	PLANNED OUTAGE	06/06/2018 14:53:06	3,606.40	736
OH Other	PLANNED OUTAGE	06/07/2018 05:35:57	251.80	2
URD Outage	PLANNED OUTAGE	06/07/2018 08:51:47	232.08	1
OH Other	PLANNED OUTAGE	06/07/2018 09:31:09	386.00	2
URD Outage	PLANNED OUTAGE	06/07/2018 09:57:19	8,090.63	61
URD Outage	PLANNED OUTAGE	06/07/2018 10:21:09	271.43	1
OH Other	PLANNED OUTAGE	06/07/2018 10:29:28	631.58	5
URD Outage	PLANNED OUTAGE	06/07/2018 11:12:29	3,048.27	23
OH Other	PLANNED OUTAGE	06/07/2018 11:24:27	62.30	3

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
URD Outage	PLANNED OUTAGE	06/07/2018 17:22:59	130.05	1
URD Outage	PLANNED OUTAGE	06/08/2018 09:05:11	219.05	3
URD Outage	PLANNED OUTAGE	06/08/2018 10:31:16	403.47	8
OH Other	PLANNED OUTAGE	06/08/2018 11:23:30	305.15	3
OH Other	PLANNED OUTAGE	06/08/2018 11:23:35	712.25	7
OH Other	PLANNED OUTAGE	06/08/2018 11:59:58	458.27	7
OH Other	PLANNED OUTAGE	06/08/2018 14:11:52	4,694.83	5
URD Outage	PLANNED OUTAGE	06/08/2018 15:32:32	734.67	5
OH Other	PLANNED OUTAGE	06/08/2018 18:23:14	7,664.43	11
PLF	PLANNED OUTAGE	06/09/2018 08:37:10	240.37	1
UG Other	PLANNED OUTAGE	06/10/2018 03:31:22	3,105.32	7
OH Other	PLANNED OUTAGE	06/10/2018 08:27:23	2,127.45	9
Circuit Out	PLANNED OUTAGE	06/10/2018 09:20:57	21,681.52	1297
OH Other	PLANNED OUTAGE	06/10/2018 15:09:38	170.37	1
OH Other	PLANNED OUTAGE	06/10/2018 19:46:26	412.60	6
OH Other	PLANNED OUTAGE	06/11/2018 05:55:02	121.50	2
OH Other	PLANNED OUTAGE	06/11/2018 06:54:53	144.95	1
OH Other	PLANNED OUTAGE	06/11/2018 08:44:16	350.70	6
OH Other	PLANNED OUTAGE	06/11/2018 08:58:01	3,235.33	5
OH Other	PLANNED OUTAGE	06/11/2018 09:24:12	1,849.33	5
OH Other	PLANNED OUTAGE	06/11/2018 09:55:36	653.80	4
OH Other	PLANNED OUTAGE	06/11/2018 10:09:38	3,892.95	9
URD Outage	PLANNED OUTAGE	06/11/2018 10:22:49	416.50	5
OH Other	PLANNED OUTAGE	06/11/2018 10:30:45	2,169.48	19
UG Other	PLANNED OUTAGE	06/11/2018 10:37:35	59.38	1
OH Other	PLANNED OUTAGE	06/11/2018 10:47:38	197.90	2
OH Other	PLANNED OUTAGE	06/11/2018 11:49:18	503.65	7
OH Other	PLANNED OUTAGE	06/11/2018 14:39:56	183.07	4
OH Other	PLANNED OUTAGE	06/12/2018 09:23:37	2,729.65	11
OH Other	PLANNED OUTAGE	06/12/2018 09:50:07	3,846.48	13
URD Outage	PLANNED OUTAGE	06/12/2018 10:05:50	165.85	3
URD Outage	PLANNED OUTAGE	06/12/2018 10:08:24	239.12	1
URD Outage	PLANNED OUTAGE	06/12/2018 10:15:01	508.40	8
URD Outage	PLANNED OUTAGE	06/12/2018 10:55:05	4,284.13	46
URD Outage	PLANNED OUTAGE	06/12/2018 11:31:34	1,590.80	8
URD Outage	PLANNED OUTAGE	06/12/2018 11:31:34	6,095.95	21
UG Other	PLANNED OUTAGE	06/12/2018 12:02:16	2,942.13	17
OH Other	PLANNED OUTAGE	06/12/2018 13:58:38	973.92	5
URD Outage	PLANNED OUTAGE	06/12/2018 20:22:40	111.28	1
OH Other	PLANNED OUTAGE	06/13/2018 07:45:24	107.33	40
OH Other	PLANNED OUTAGE	06/13/2018 07:48:34	16,594.60	66
UG Other	PLANNED OUTAGE	06/13/2018 09:03:02	948.30	9
URD Outage	PLANNED OUTAGE	06/13/2018 10:29:02	1,191.17	10
URD Outage	PLANNED OUTAGE	06/13/2018 10:29:02	757.30	2
OH Other	PLANNED OUTAGE	06/13/2018 11:15:11	2,294.30	3
OH Other	PLANNED OUTAGE	06/13/2018 11:22:46	315.25	3
OH Other	PLANNED OUTAGE	06/13/2018 11:33:16	621.90	3
OH Other	PLANNED OUTAGE	06/13/2018 12:03:18	566.75	3
OH Other	PLANNED OUTAGE	06/13/2018 12:07:48	1,602.80	3
OH Other	PLANNED OUTAGE	06/13/2018 12:11:41	3,713.73	7
OH Other	PLANNED OUTAGE	06/13/2018 13:40:10	275.73	2
OH Other	PLANNED OUTAGE	06/13/2018 15:03:22	85.90	2

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	06/13/2018 20:17:17	597.60	6
OH Other	PLANNED OUTAGE	06/13/2018 23:13:07	1,281.67	25
OH Other	PLANNED OUTAGE	06/14/2018 09:21:03	2,998.35	9
OH Other	PLANNED OUTAGE	06/14/2018 09:47:55	1,547.22	13
OH Other	PLANNED OUTAGE	06/14/2018 10:34:07	227.58	5
OH Other	PLANNED OUTAGE	06/14/2018 10:46:13	130.07	4
OH Other	PLANNED OUTAGE	06/14/2018 10:51:01	500.67	10
OH Other	PLANNED OUTAGE	06/14/2018 11:55:12	46.67	2
OH Other	PLANNED OUTAGE	06/14/2018 12:20:01	346.55	3
URD Outage	PLANNED OUTAGE	06/14/2018 23:21:14	69.48	1
OH Other	PLANNED OUTAGE	06/15/2018 07:10:24	60.50	1
OH Other	PLANNED OUTAGE	06/15/2018 09:25:08	2,332.92	11
URD Outage	PLANNED OUTAGE	06/15/2018 09:26:12	141.18	1
URD Outage	PLANNED OUTAGE	06/15/2018 09:38:25	4,635.50	365
OH Other	PLANNED OUTAGE	06/15/2018 21:23:05	43.67	5
URD Outage	PLANNED OUTAGE	06/15/2018 23:25:23	401.40	6
OH Other	PLANNED OUTAGE	06/16/2018 07:09:39	24,364.67	28
PLF	PLANNED OUTAGE	06/16/2018 08:12:20	252.65	3
PLF	PLANNED OUTAGE	06/16/2018 14:47:30	43,064.50	129
PLF	PLANNED OUTAGE	06/16/2018 15:46:40	4,396.00	16
OH Other	PLANNED OUTAGE	06/17/2018 09:56:43	256.12	11
Circuit Out	PLANNED OUTAGE	06/17/2018 10:29:04	10,320.60	309
OH Other	PLANNED OUTAGE	06/17/2018 19:46:18	185.33	5
OH Other	PLANNED OUTAGE	06/18/2018 07:27:32	923.90	6
OH Other	PLANNED OUTAGE	06/18/2018 08:44:07	1,096.67	10
OH Other	PLANNED OUTAGE	06/18/2018 09:05:54	2,935.83	10
OH Other	PLANNED OUTAGE	06/18/2018 09:22:24	373.20	2
URD Outage	PLANNED OUTAGE	06/18/2018 11:10:29	857.87	8
OH Other	PLANNED OUTAGE	06/18/2018 12:18:09	230.27	2
OH Other	PLANNED OUTAGE	06/18/2018 14:29:30	691.95	7
OH Other	PLANNED OUTAGE	06/18/2018 15:24:42	778.27	8
Circuit Out	PLANNED OUTAGE	06/18/2018 19:49:32	1,253.70	189
Circuit Out	PLANNED OUTAGE	06/18/2018 22:47:51	1,393.85	457
OH Other	PLANNED OUTAGE	06/19/2018 08:30:36	48.60	6
OH Other	PLANNED OUTAGE	06/19/2018 08:57:51	910.60	4
OH Other	PLANNED OUTAGE	06/19/2018 10:15:58	783.90	3
OH Other	PLANNED OUTAGE	06/19/2018 10:32:09	85.87	7
URD Outage	PLANNED OUTAGE	06/19/2018 10:54:19	1,841.50	87
URD Outage	PLANNED OUTAGE	06/19/2018 11:15:06	1,095.80	6
URD Outage	PLANNED OUTAGE	06/19/2018 11:15:06	1,577.10	6
URD Outage	PLANNED OUTAGE	06/19/2018 11:15:06	4,493.38	17
OH Other	PLANNED OUTAGE	06/19/2018 11:56:55	1,067.87	8
OH Other	PLANNED OUTAGE	06/19/2018 13:53:49	1,847.40	12
OH Other	PLANNED OUTAGE	06/19/2018 14:10:00	828.00	6
OH Other	PLANNED OUTAGE	06/19/2018 15:02:49	592.55	7
URD Outage	PLANNED OUTAGE	06/19/2018 17:28:00	20.73	2
URD Outage	PLANNED OUTAGE	06/19/2018 17:30:46	153.27	4
PLF	PLANNED OUTAGE	06/19/2018 20:53:31	4,822.50	75
PLF	PLANNED OUTAGE	06/19/2018 22:18:53	346.52	1
URD Outage	PLANNED OUTAGE	06/20/2018 01:39:10	305.58	5
OH Other	PLANNED OUTAGE	06/20/2018 04:15:13	127.65	1
Circuit Out	PLANNED OUTAGE	06/20/2018 07:22:12	14,632.00	1240

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
URD Outage	PLANNED OUTAGE	06/20/2018 08:41:58	71.45	1
OH Other	PLANNED OUTAGE	06/20/2018 09:03:18	115.62	1
OH Other	PLANNED OUTAGE	06/20/2018 09:49:47	707.80	6
OH Other	PLANNED OUTAGE	06/20/2018 09:59:39	111.33	4
OH Other	PLANNED OUTAGE	06/20/2018 10:24:10	805.90	6
OH Other	PLANNED OUTAGE	06/20/2018 10:29:06	491.17	2
OH Other	PLANNED OUTAGE	06/20/2018 10:54:08	861.08	5
URD Outage	PLANNED OUTAGE	06/20/2018 11:04:54	11,131.60	102
Circuit Out	PLANNED OUTAGE	06/20/2018 19:01:49	11,679.00	765
Circuit Out	PLANNED OUTAGE	06/20/2018 21:16:30	17,923.38	1291
Circuit Out	PLANNED OUTAGE	06/20/2018 21:16:48	18,262.60	1524
OH Other	PLANNED OUTAGE	06/21/2018 07:34:47	68.05	1
OH Other	PLANNED OUTAGE	06/21/2018 09:46:41	275.50	3
URD Outage	PLANNED OUTAGE	06/21/2018 10:25:54	40.25	1
OH Other	PLANNED OUTAGE	06/21/2018 10:37:43	1,325.87	8
OH Other	PLANNED OUTAGE	06/21/2018 11:09:27	6,164.40	11
OH Other	PLANNED OUTAGE	06/21/2018 11:23:18	2,093.70	9
OH Other	PLANNED OUTAGE	06/21/2018 12:56:29	618.95	3
UG Other	PLANNED OUTAGE	06/21/2018 16:22:43	298.55	1
OH Other	PLANNED OUTAGE	06/22/2018 08:02:58	1,769.00	6
OH Other	PLANNED OUTAGE	06/22/2018 09:05:31	687.25	5
OH Other	PLANNED OUTAGE	06/22/2018 10:41:37	2,070.67	8
Circuit Out	PLANNED OUTAGE	06/22/2018 19:36:52	1,299.93	527
OH Other	PLANNED OUTAGE	06/23/2018 06:47:52	914.73	2
OH Other	PLANNED OUTAGE	06/24/2018 09:41:04	2,161.25	95
Circuit Out	PLANNED OUTAGE	06/24/2018 20:18:26	2,008.00	502
Circuit Out	PLANNED OUTAGE	06/25/2018 00:04:38	10,398.30	506
OCR, Sec.	PLANNED OUTAGE	06/25/2018 09:04:50	32,997.43	682
OCR, Sec.	PLANNED OUTAGE	06/25/2018 09:04:50	19,989.33	128
OH Other	PLANNED OUTAGE	06/25/2018 09:40:56	1,912.13	8
UG Other	PLANNED OUTAGE	06/25/2018 09:42:16	355.72	1
URD Outage	PLANNED OUTAGE	06/25/2018 11:23:09	65,278.40	176
URD Outage	PLANNED OUTAGE	06/25/2018 11:23:09	1,649.10	6
OH Other	PLANNED OUTAGE	06/25/2018 12:29:43	305.22	1
URD Outage	PLANNED OUTAGE	06/25/2018 13:29:31	1,640.67	8
OH Other	PLANNED OUTAGE	06/26/2018 08:12:37	1,389.53	4
OH Other	PLANNED OUTAGE	06/26/2018 09:23:46	130.58	1
URD Outage	PLANNED OUTAGE	06/26/2018 10:07:18	1,164.40	8
URD Outage	PLANNED OUTAGE	06/26/2018 10:07:18	3,643.33	25
URD Outage	PLANNED OUTAGE	06/26/2018 10:07:18	8,254.00	20
URD Outage	PLANNED OUTAGE	06/26/2018 10:07:18	6,190.50	15
OH Other	PLANNED OUTAGE	06/26/2018 10:15:39	208.17	1
PLF	PLANNED OUTAGE	06/26/2018 10:27:20	12,043.80	54
URD Outage	PLANNED OUTAGE	06/26/2018 10:48:58	820.42	11
OH Other	PLANNED OUTAGE	06/26/2018 11:31:57	101.97	7
OH Other	PLANNED OUTAGE	06/26/2018 12:02:11	646.00	3
OH Other	PLANNED OUTAGE	06/26/2018 16:02:43	182.58	5
OH Other	PLANNED OUTAGE	06/26/2018 19:36:37	62,984.80	262
OH Other	PLANNED OUTAGE	06/27/2018 09:07:30	1,247.67	4
OH Other	PLANNED OUTAGE	06/27/2018 09:07:39	938.50	3
TX Repaired (PM)	PLANNED OUTAGE	06/27/2018 09:15:07	2,118.33	31
URD Outage	PLANNED OUTAGE	06/27/2018 09:32:05	884.80	16

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	06/27/2018 11:05:28	968.18	11
OH Other	PLANNED OUTAGE	06/27/2018 14:29:22	1,013.47	4
OH Other	PLANNED OUTAGE	06/27/2018 14:33:51	154.30	3
OH Other	PLANNED OUTAGE	06/27/2018 17:47:48	4,848.00	90
UG Other	PLANNED OUTAGE	06/28/2018 01:07:00	29,343.68	173
UG Other	PLANNED OUTAGE	06/28/2018 01:07:00	6,442.27	38
OH Other	PLANNED OUTAGE	06/28/2018 08:25:48	1,704.62	7
OH Other	PLANNED OUTAGE	06/28/2018 08:56:51	1,515.75	5
UG Other	PLANNED OUTAGE	06/28/2018 11:07:57	819.87	4
OH Other	PLANNED OUTAGE	06/28/2018 12:27:57	1,672.55	11
UG Other	PLANNED OUTAGE	06/28/2018 14:23:04	375.83	10
Circuit Out	PLANNED OUTAGE	06/28/2018 16:09:19	2,894.17	755
OH Other	PLANNED OUTAGE	06/28/2018 17:07:17	478.80	3
OH Other	PLANNED OUTAGE	06/28/2018 17:48:33	1,623.88	31
PLF	PLANNED OUTAGE	06/28/2018 21:52:19	966.53	11
OH Other	PLANNED OUTAGE	06/29/2018 09:45:01	896.27	8
OH Other	PLANNED OUTAGE	06/29/2018 11:04:58	487.25	15
OH Other	PLANNED OUTAGE	06/29/2018 16:59:13	285.80	3
OH Other	PLANNED OUTAGE	06/30/2018 07:24:06	160.10	1
PLF	PLANNED OUTAGE	06/30/2018 07:32:27	590.37	2
TX Repaired (OH)	PLANNED OUTAGE	06/30/2018 08:39:20	907.90	14
OH Other	PLANNED OUTAGE	06/30/2018 08:48:21	4,188.33	50
OH Other	PLANNED OUTAGE	06/30/2018 16:01:00	719.35	3
OH Other	PLANNED OUTAGE	07/01/2018 01:50:48	2,124.27	14
OH Other	PLANNED OUTAGE	07/01/2018 07:44:46	16,836.42	55
Circuit Out	PLANNED OUTAGE	07/01/2018 08:53:05	5,551.07	2108
OH Other	PLANNED OUTAGE	07/02/2018 08:24:23	1,694.80	3
OH Other	PLANNED OUTAGE	07/02/2018 08:44:28	2,710.67	8
OH Other	PLANNED OUTAGE	07/02/2018 08:58:37	2,171.27	4
URD Outage	PLANNED OUTAGE	07/02/2018 10:01:27	289.22	1
OH Other	PLANNED OUTAGE	07/02/2018 11:58:45	31.97	1
OH Other	PLANNED OUTAGE	07/02/2018 17:15:50	5,316.83	46
UG Other	PLANNED OUTAGE	07/02/2018 21:49:36	4,891.25	5
Circuit Out	PLANNED OUTAGE	07/02/2018 22:28:26	3,481.60	1536
OH Other	PLANNED OUTAGE	07/03/2018 07:53:01	6,343.55	17
URD Outage	PLANNED OUTAGE	07/03/2018 08:21:53	308.75	1
URD Outage	PLANNED OUTAGE	07/03/2018 08:30:07	413.33	1
OH Other	PLANNED OUTAGE	07/03/2018 09:16:55	2,409.30	9
OH Other	PLANNED OUTAGE	07/03/2018 09:18:47	2,357.17	5
URD Outage	PLANNED OUTAGE	07/03/2018 09:20:01	182.35	3
Circuit Out	PLANNED OUTAGE	07/03/2018 09:27:50	12,065.20	1112
OH Other	PLANNED OUTAGE	07/03/2018 10:01:21	4,330.08	7
URD Outage	PLANNED OUTAGE	07/03/2018 10:07:16	80.05	1
URD Outage	PLANNED OUTAGE	07/03/2018 10:15:00	21,219.52	113
OH Other	PLANNED OUTAGE	07/03/2018 11:45:47	514.00	2
URD Outage	PLANNED OUTAGE	07/03/2018 13:05:23	156.17	2
Service - Crew	PLANNED OUTAGE	07/03/2018 14:40:22	179.20	1
OH Other	PLANNED OUTAGE	07/03/2018 16:11:34	182.75	1
OCR, Sec.	PLANNED OUTAGE	07/03/2018 18:14:05	7,890.93	1016
PLF	PLANNED OUTAGE	07/04/2018 00:20:29	424.50	15
Circuit Out	PLANNED OUTAGE	07/04/2018 02:54:36	11,759.33	1240
Circuit Out	PLANNED OUTAGE	07/05/2018 03:59:30	33,103.80	1388

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	07/05/2018 07:18:23	2,225.83	10
OH Other	PLANNED OUTAGE	07/05/2018 08:55:18	756.60	6
TX Repaired (PM)	PLANNED OUTAGE	07/05/2018 08:59:32	607.33	8
TX Repaired (OH)	PLANNED OUTAGE	07/05/2018 09:05:32	2,337.13	11
OH Other	PLANNED OUTAGE	07/05/2018 09:45:20	635.25	9
PLF	PLANNED OUTAGE	07/05/2018 10:06:24	129.43	2
TX Repaired (OH)	PLANNED OUTAGE	07/05/2018 10:10:16	184.10	2
PLF	PLANNED OUTAGE	07/05/2018 10:31:06	302.13	1
PLF	PLANNED OUTAGE	07/05/2018 10:48:06	5,896.80	14
TX Repaired (PM)	PLANNED OUTAGE	07/05/2018 12:09:47	273.50	10
TX Repaired (OH)	PLANNED OUTAGE	07/05/2018 17:48:38	2,272.30	3
OH Other	PLANNED OUTAGE	07/06/2018 08:38:49	482.60	6
OH Other	PLANNED OUTAGE	07/06/2018 08:38:55	160.97	2
OH Other	PLANNED OUTAGE	07/06/2018 08:52:07	894.30	6
OH Other	PLANNED OUTAGE	07/06/2018 08:52:13	894.50	6
OH Other	PLANNED OUTAGE	07/06/2018 09:47:08	150.72	1
OH Other	PLANNED OUTAGE	07/06/2018 19:53:39	400.60	6
PLF	PLANNED OUTAGE	07/06/2018 22:12:48	5,961.00	60
OH Other	PLANNED OUTAGE	07/06/2018 23:03:22	588.60	12
PLF	PLANNED OUTAGE	07/07/2018 00:24:11	67.05	9
OH Other	PLANNED OUTAGE	07/07/2018 07:33:45	140.33	1
Circuit Out	PLANNED OUTAGE	07/07/2018 10:11:26	9,150.75	1245
PLF	PLANNED OUTAGE	07/07/2018 19:17:35	172.20	3
Circuit Out	PLANNED OUTAGE	07/07/2018 20:55:50	5,928.00	130
Circuit Out	PLANNED OUTAGE	07/07/2018 20:55:50	146,516.25	1335
Circuit Out	PLANNED OUTAGE	07/07/2018 20:57:50	22,297.60	208
Circuit Out	PLANNED OUTAGE	07/07/2018 21:01:13	8,309.33	80
OH Other	PLANNED OUTAGE	07/07/2018 23:39:10	87.60	9
OH Other	PLANNED OUTAGE	07/08/2018 00:34:48	12,826.67	208
UG Other	PLANNED OUTAGE	07/09/2018 01:20:56	1,215.40	59
OH Other	PLANNED OUTAGE	07/09/2018 07:08:46	1,597.90	6
OH Other	PLANNED OUTAGE	07/09/2018 08:54:34	688.65	3
OH Other	PLANNED OUTAGE	07/09/2018 09:04:26	1,301.42	7
URD Outage	PLANNED OUTAGE	07/09/2018 09:21:05	1,386.80	8
OH Other	PLANNED OUTAGE	07/09/2018 10:44:50	2,130.70	6
PLF	PLANNED OUTAGE	07/09/2018 11:59:12	285.35	1
OH Other	PLANNED OUTAGE	07/09/2018 12:09:53	626.00	5
OH Other	PLANNED OUTAGE	07/09/2018 13:21:57	2,359.20	12
OCR, Sec.	PLANNED OUTAGE	07/09/2018 13:29:38	10,668.17	605
OH Other	PLANNED OUTAGE	07/09/2018 22:27:19	5,478.00	24
OH Other	PLANNED OUTAGE	07/10/2018 09:02:45	1,580.87	4
URD Outage	PLANNED OUTAGE	07/10/2018 09:24:35	297.72	1
TX Repaired (PM)	PLANNED OUTAGE	07/10/2018 09:31:33	422.40	6
OH Other	PLANNED OUTAGE	07/10/2018 09:52:46	587.07	4
OH Other	PLANNED OUTAGE	07/10/2018 12:42:49	3,285.90	9
PLF	PLANNED OUTAGE	07/10/2018 18:13:33	22.00	1
OH Other	PLANNED OUTAGE	07/11/2018 08:24:10	30.25	3
OH Other	PLANNED OUTAGE	07/11/2018 08:35:17	2,820.92	5
OH Other	PLANNED OUTAGE	07/11/2018 11:12:58	209.18	11
OH Other	PLANNED OUTAGE	07/11/2018 11:33:40	449.83	1
OH Other	PLANNED OUTAGE	07/11/2018 12:23:58	1,318.53	4
OH Other	PLANNED OUTAGE	07/11/2018 13:29:14	1,054.73	4

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	07/12/2018 07:05:36	3,126.08	7
OH Other	PLANNED OUTAGE	07/12/2018 08:39:39	199.25	1
OH Other	PLANNED OUTAGE	07/12/2018 09:01:30	1,978.90	6
UG Other	PLANNED OUTAGE	07/12/2018 09:04:44	4,242.40	16
OH Other	PLANNED OUTAGE	07/12/2018 09:18:41	2,483.72	7
OH Other	PLANNED OUTAGE	07/12/2018 10:11:37	443.10	9
PLF	PLANNED OUTAGE	07/12/2018 12:26:11	535.33	10
UG Other	PLANNED OUTAGE	07/12/2018 13:00:52	75.68	1
OH Other	PLANNED OUTAGE	07/13/2018 05:14:10	1,096.60	12
OH Other	PLANNED OUTAGE	07/13/2018 09:12:59	617.40	6
OH Other	PLANNED OUTAGE	07/13/2018 11:15:47	224.67	8
OH Other	PLANNED OUTAGE	07/13/2018 12:07:13	1,512.80	4
OH Other	PLANNED OUTAGE	07/13/2018 12:07:13	1,135.15	3
PLF	PLANNED OUTAGE	07/13/2018 13:02:17	1,820.00	39
PLF	PLANNED OUTAGE	07/14/2018 12:00:10	9,143.55	81
PLF	PLANNED OUTAGE	07/14/2018 15:11:55	71.93	2
UG Other	PLANNED OUTAGE	07/14/2018 19:27:38	107.98	1
PLF	PLANNED OUTAGE	07/15/2018 05:52:01	229.08	5
OH Other	PLANNED OUTAGE	07/15/2018 08:21:46	175.25	1
OH Other	PLANNED OUTAGE	07/15/2018 08:21:46	350.83	2
OH Other	PLANNED OUTAGE	07/15/2018 08:21:46	175.42	1
OH Other	PLANNED OUTAGE	07/15/2018 10:32:44	268.90	3
Circuit Out	PLANNED OUTAGE	07/15/2018 14:52:14	52,344.33	1865
Circuit Out	PLANNED OUTAGE	07/15/2018 15:06:33	14,473.00	1059
OH Other	PLANNED OUTAGE	07/15/2018 22:03:34	134.93	1
PLF	PLANNED OUTAGE	07/16/2018 02:10:10	270.20	4
OH Other	PLANNED OUTAGE	07/16/2018 07:40:01	462.90	6
OH Other	PLANNED OUTAGE	07/16/2018 09:17:04	880.00	16
OH Other	PLANNED OUTAGE	07/16/2018 09:17:38	700.82	7
OH Other	PLANNED OUTAGE	07/16/2018 10:45:00	2,846.43	11
OH Other	PLANNED OUTAGE	07/16/2018 11:20:23	3,563.47	16
OH Other	PLANNED OUTAGE	07/16/2018 11:31:28	425.57	2
OH Other	PLANNED OUTAGE	07/16/2018 12:29:10	774.17	5
PLF	PLANNED OUTAGE	07/16/2018 18:41:42	37.13	4
UG Other	PLANNED OUTAGE	07/16/2018 23:08:15	10.62	1
OH Other	PLANNED OUTAGE	07/17/2018 07:47:39	7,504.75	15
OH Other	PLANNED OUTAGE	07/17/2018 08:56:34	6,473.75	15
PLF	PLANNED OUTAGE	07/17/2018 09:13:32	137.87	4
UG Other	PLANNED OUTAGE	07/17/2018 09:31:04	4,029.20	42
OH Other	PLANNED OUTAGE	07/17/2018 11:04:09	1,190.25	9
OH Other	PLANNED OUTAGE	07/17/2018 11:20:35	568.50	2
OH Other	PLANNED OUTAGE	07/17/2018 12:12:25	264.30	2
OH Other	PLANNED OUTAGE	07/17/2018 13:06:09	1,908.23	19
OH Other	PLANNED OUTAGE	07/17/2018 13:30:47	11.22	1
OH Other	PLANNED OUTAGE	07/17/2018 13:39:39	4,055.35	13
OH Other	PLANNED OUTAGE	07/17/2018 20:36:06	3,677.00	20
UG Other	PLANNED OUTAGE	07/17/2018 21:30:16	424.80	9
OH Other	PLANNED OUTAGE	07/18/2018 07:57:00	237.70	2
OH Other	PLANNED OUTAGE	07/18/2018 08:08:37	635.83	5
OH Other	PLANNED OUTAGE	07/18/2018 08:36:36	771.73	4
OH Other	PLANNED OUTAGE	07/18/2018 08:37:53	191.82	1
OH Other	PLANNED OUTAGE	07/18/2018 08:42:21	1,398.33	10

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	07/18/2018 08:43:57	2,932.23	11
PLF	PLANNED OUTAGE	07/18/2018 09:04:17	1,061.08	5
OH Other	PLANNED OUTAGE	07/18/2018 09:33:46	551.53	4
OH Other	PLANNED OUTAGE	07/18/2018 10:33:11	454.80	3
PLF	PLANNED OUTAGE	07/18/2018 11:09:57	3,436.20	69
OH Other	PLANNED OUTAGE	07/18/2018 12:43:07	3,441.60	12
OH Other	PLANNED OUTAGE	07/18/2018 12:47:18	1,217.50	15
Circuit Out	PLANNED OUTAGE	07/18/2018 14:18:02	510.42	245
OH Other	PLANNED OUTAGE	07/18/2018 16:56:34	980.23	7
Circuit Out	PLANNED OUTAGE	07/18/2018 17:55:33	8,532.40	996
OH Other	PLANNED OUTAGE	07/19/2018 08:02:25	4,030.00	15
OH Other	PLANNED OUTAGE	07/19/2018 08:06:20	3,763.90	19
OH Other	PLANNED OUTAGE	07/19/2018 08:14:52	1,082.25	3
OH Other	PLANNED OUTAGE	07/19/2018 08:15:02	360.73	1
OH Other	PLANNED OUTAGE	07/19/2018 08:47:35	93.53	1
URD Outage	PLANNED OUTAGE	07/19/2018 09:00:37	723.80	12
OH Other	PLANNED OUTAGE	07/19/2018 09:01:40	1,559.00	12
OH Other	PLANNED OUTAGE	07/19/2018 10:21:22	3,153.87	8
OH Other	PLANNED OUTAGE	07/19/2018 11:13:43	401.80	4
URD Outage	PLANNED OUTAGE	07/19/2018 11:29:17	317.62	1
OH Other	PLANNED OUTAGE	07/19/2018 12:25:43	304.13	8
OH Other	PLANNED OUTAGE	07/19/2018 14:54:42	628.35	9
OH Other	PLANNED OUTAGE	07/20/2018 07:35:07	3,415.25	15
URD Outage	PLANNED OUTAGE	07/20/2018 09:11:13	1,792.50	15
PLF	PLANNED OUTAGE	07/20/2018 09:58:58	103.83	10
Step Restoration	PLANNED OUTAGE	07/20/2018 09:58:58	1,440.00	9
Step Restoration	PLANNED OUTAGE	07/20/2018 09:58:58	4,463.67	28
OH Other	PLANNED OUTAGE	07/20/2018 11:06:44	256.50	3
URD Outage	PLANNED OUTAGE	07/20/2018 11:11:23	87.50	1
OH Other	PLANNED OUTAGE	07/20/2018 11:34:08	57.08	1
OH Other	PLANNED OUTAGE	07/20/2018 13:31:34	248.83	1
OCR, Sec.	PLANNED OUTAGE	07/20/2018 15:42:37	18,566.30	401
OH Other	PLANNED OUTAGE	07/20/2018 15:42:37	13,052.40	292
OH Other	PLANNED OUTAGE	07/20/2018 18:49:58	178.30	6
Circuit Out	PLANNED OUTAGE	07/21/2018 03:36:14	11,905.57	1219
UG Other	PLANNED OUTAGE	07/22/2018 13:08:34	121.12	13
PLF	PLANNED OUTAGE	07/22/2018 15:20:23	1,605.15	41
OCR, Sec.	PLANNED OUTAGE	07/23/2018 06:17:41	5,070.60	36
TX Repaired (OH)	PLANNED OUTAGE	07/23/2018 09:19:25	6,136.20	14
OH Other	PLANNED OUTAGE	07/23/2018 14:39:52	291.90	2
PLF	PLANNED OUTAGE	07/23/2018 17:46:08	221.60	3
OH Other	PLANNED OUTAGE	07/23/2018 19:19:40	139.00	6
OH Other	PLANNED OUTAGE	07/23/2018 19:29:04	80.93	1
OH Other	PLANNED OUTAGE	07/23/2018 20:35:52	781.52	13
PLF	PLANNED OUTAGE	07/24/2018 00:09:16	1,845.80	12
OH Other	PLANNED OUTAGE	07/24/2018 07:30:19	412.55	1
PLF	PLANNED OUTAGE	07/24/2018 08:54:31	10,239.13	37
OH Other	PLANNED OUTAGE	07/24/2018 09:28:49	129.70	1
URD Outage	PLANNED OUTAGE	07/24/2018 09:36:10	19.58	1
OH Other	PLANNED OUTAGE	07/24/2018 09:52:47	140.25	1
UG Other	PLANNED OUTAGE	07/24/2018 10:06:29	1,713.67	10
URD Outage	PLANNED OUTAGE	07/24/2018 14:01:51	119.70	1

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	07/24/2018 19:43:06	1,839.50	13
OH Other	PLANNED OUTAGE	07/25/2018 01:59:12	1,332.60	12
OH Other	PLANNED OUTAGE	07/25/2018 03:58:16	165,641.73	346
Circuit Out	PLANNED OUTAGE	07/25/2018 04:39:50	4,965.15	419
OH Other	PLANNED OUTAGE	07/25/2018 07:09:46	247.38	1
OH Other	PLANNED OUTAGE	07/25/2018 08:08:56	1,041.57	2
UG Other	PLANNED OUTAGE	07/25/2018 10:55:45	22.25	1
OH Other	PLANNED OUTAGE	07/25/2018 11:33:07	189.80	12
OH Other	PLANNED OUTAGE	07/25/2018 12:11:30	2,505.60	9
OH Other	PLANNED OUTAGE	07/25/2018 16:16:41	7,943.22	13
URD Outage	PLANNED OUTAGE	07/25/2018 16:48:23	1,319.93	26
OH Other	PLANNED OUTAGE	07/26/2018 08:47:49	4,325.42	7
PLF	PLANNED OUTAGE	07/26/2018 08:51:01	8,626.50	30
PLF	PLANNED OUTAGE	07/26/2018 09:22:49	50.70	1
OH Other	PLANNED OUTAGE	07/26/2018 10:01:12	2,238.40	8
OH Other	PLANNED OUTAGE	07/26/2018 11:17:18	230.08	5
OH Other	PLANNED OUTAGE	07/26/2018 11:48:32	717.00	10
OH Other	PLANNED OUTAGE	07/26/2018 13:15:37	1,751.58	5
OH Other	PLANNED OUTAGE	07/26/2018 13:16:29	219.08	5
Service - Crew	PLANNED OUTAGE	07/26/2018 15:00:38	149.37	1
OCR, Sec.	PLANNED OUTAGE	07/26/2018 19:14:04	9,477.17	1126
OH Other	PLANNED OUTAGE	07/27/2018 06:32:29	550.27	8
OH Other	PLANNED OUTAGE	07/27/2018 08:40:15	68.63	1
URD Outage	PLANNED OUTAGE	07/27/2018 09:16:56	122.35	3
URD Outage	PLANNED OUTAGE	07/27/2018 09:40:58	17.55	1
URD Outage	PLANNED OUTAGE	07/27/2018 13:47:21	782.80	6
OH Other	PLANNED OUTAGE	07/27/2018 14:54:34	67.33	8
Circuit Out	PLANNED OUTAGE	07/27/2018 22:27:00	16,673.25	645
Service - Crew	PLANNED OUTAGE	07/28/2018 13:17:33	143.55	1
OH Other	PLANNED OUTAGE	07/28/2018 15:01:30	417.80	12
OH Other	PLANNED OUTAGE	07/28/2018 17:01:13	126.35	3
Circuit Out	PLANNED OUTAGE	07/28/2018 18:49:57	3,441.18	1081
OH Other	PLANNED OUTAGE	07/28/2018 20:29:31	1,235.15	7
OH Other	PLANNED OUTAGE	07/29/2018 01:45:30	17,044.80	159
OH Other	PLANNED OUTAGE	07/29/2018 09:10:49	1.10	6
OH Other	PLANNED OUTAGE	07/29/2018 18:32:20	102.27	2
Circuit Out	PLANNED OUTAGE	07/30/2018 08:06:28	932.47	284
OH Other	PLANNED OUTAGE	07/30/2018 08:24:05	680.58	1
OH Other	PLANNED OUTAGE	07/30/2018 08:51:57	2,044.10	6
OH Other	PLANNED OUTAGE	07/30/2018 09:09:57	1,345.33	4
OH Other	PLANNED OUTAGE	07/30/2018 09:27:23	3,965.85	9
OH Other	PLANNED OUTAGE	07/30/2018 11:00:42	2,240.47	14
OH Other	PLANNED OUTAGE	07/31/2018 01:48:17	264.00	5
OH Other	PLANNED OUTAGE	07/31/2018 07:14:31	1,287.67	20
OH Other	PLANNED OUTAGE	07/31/2018 07:43:31	223.37	1
OH Other	PLANNED OUTAGE	07/31/2018 08:56:55	359.67	5
URD Outage	PLANNED OUTAGE	07/31/2018 09:02:24	7,296.10	98
OH Other	PLANNED OUTAGE	07/31/2018 09:18:34	776.17	2
OH Other	PLANNED OUTAGE	07/31/2018 09:18:34	286.20	2
OH Other	PLANNED OUTAGE	07/31/2018 09:31:33	6,189.30	117
OH Other	PLANNED OUTAGE	07/31/2018 11:21:54	221.30	2
OH Other	PLANNED OUTAGE	07/31/2018 12:01:47	73.00	1

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	07/31/2018 13:24:01	1,452.00	15
URD Outage	PLANNED OUTAGE	07/31/2018 15:41:26	2,492.70	7
OH Other	PLANNED OUTAGE	07/31/2018 16:36:36	109.65	9
OH Other	PLANNED OUTAGE	07/31/2018 18:19:18	1,879.20	9
URD Outage	PLANNED OUTAGE	07/31/2018 19:03:16	999.02	7
OH Other	PLANNED OUTAGE	07/31/2018 22:50:32	1,991.73	14
OH Other	PLANNED OUTAGE	08/01/2018 07:06:59	3,429.42	7
OH Other	PLANNED OUTAGE	08/01/2018 07:46:58	1,256.05	3
OH Other	PLANNED OUTAGE	08/01/2018 08:04:57	2,168.58	5
OH Other	PLANNED OUTAGE	08/01/2018 08:28:21	886.20	7
OH Other	PLANNED OUTAGE	08/01/2018 09:12:37	2,751.00	20
OH Other	PLANNED OUTAGE	08/01/2018 09:33:40	3,131.55	9
OH Other	PLANNED OUTAGE	08/01/2018 10:51:33	2,171.47	8
OH Other	PLANNED OUTAGE	08/01/2018 11:21:25	468.10	6
OH Other	PLANNED OUTAGE	08/01/2018 11:29:03	2,202.27	8
OH Other	PLANNED OUTAGE	08/01/2018 11:30:29	1,867.07	8
OH Other	PLANNED OUTAGE	08/01/2018 13:35:29	2,471.47	8
OH Other	PLANNED OUTAGE	08/01/2018 14:43:20	2,247.10	6
OH Other	PLANNED OUTAGE	08/01/2018 14:47:59	731.83	2
OH Other	PLANNED OUTAGE	08/01/2018 18:51:43	703.05	3
OH Other	PLANNED OUTAGE	08/01/2018 18:52:43	2,098.80	9
OH Other	PLANNED OUTAGE	08/01/2018 18:55:42	230.30	1
OH Other	PLANNED OUTAGE	08/02/2018 07:50:24	2,399.42	5
OH Other	PLANNED OUTAGE	08/02/2018 08:05:01	5,584.20	12
URD Outage	PLANNED OUTAGE	08/02/2018 08:14:28	74,051.25	279
OH Other	PLANNED OUTAGE	08/02/2018 08:29:03	2,648.50	6
PLF	PLANNED OUTAGE	08/02/2018 08:42:00	667.73	8
PLF	PLANNED OUTAGE	08/02/2018 08:42:22	1,082.03	13
PLF	PLANNED OUTAGE	08/02/2018 08:42:40	498.30	6
PLF	PLANNED OUTAGE	08/02/2018 08:43:05	165.57	2
PLF	PLANNED OUTAGE	08/02/2018 08:45:43	291.95	1
TX Repaired (OH)	PLANNED OUTAGE	08/02/2018 08:46:18	4,729.83	10
OH Other	PLANNED OUTAGE	08/02/2018 08:47:00	1,885.73	4
OH Other	PLANNED OUTAGE	08/02/2018 08:48:45	3,562.40	8
TX Repaired (OH)	PLANNED OUTAGE	08/02/2018 10:14:53	2,990.40	16
OH Other	PLANNED OUTAGE	08/02/2018 12:56:42	1,353.40	6
OH Other	PLANNED OUTAGE	08/02/2018 13:43:50	1,973.40	11
OH Other	PLANNED OUTAGE	08/03/2018 07:38:47	62.77	1
OH Other	PLANNED OUTAGE	08/03/2018 08:00:30	73.03	1
OH Other	PLANNED OUTAGE	08/03/2018 08:18:05	1,270.00	6
OH Other	PLANNED OUTAGE	08/03/2018 08:37:19	1,222.10	6
OH Other	PLANNED OUTAGE	08/03/2018 09:51:19	1,420.47	11
URD Outage	PLANNED OUTAGE	08/04/2018 00:47:49	978.80	8
OH Other	PLANNED OUTAGE	08/04/2018 19:59:58	99.40	3
PLF	PLANNED OUTAGE	08/05/2018 08:33:00	1,674.50	30
PLF	PLANNED OUTAGE	08/05/2018 19:39:02	4,372.80	16
TX Repaired (OH)	PLANNED OUTAGE	08/05/2018 22:35:50	212.33	7
OH Other	PLANNED OUTAGE	08/06/2018 07:24:22	3,712.60	12
OH Other	PLANNED OUTAGE	08/06/2018 08:28:28	1,282.50	15
OH Other	PLANNED OUTAGE	08/06/2018 09:07:42	2,198.13	8
OH Other	PLANNED OUTAGE	08/06/2018 10:27:30	194.50	1
OH Other	PLANNED OUTAGE	08/06/2018 10:27:40	389.00	2

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	08/06/2018 10:45:09	325.67	5
OH Other	PLANNED OUTAGE	08/06/2018 15:17:21	141.33	2
OH Other	PLANNED OUTAGE	08/06/2018 15:51:39	38.22	1
OH Other	PLANNED OUTAGE	08/06/2018 18:15:03	4,794.53	7
OH Other	PLANNED OUTAGE	08/06/2018 18:21:22	7,466.43	11
OH Other	PLANNED OUTAGE	08/06/2018 20:02:35	71.50	3
URD Outage	PLANNED OUTAGE	08/06/2018 20:47:31	1,745.67	10
URD Outage	PLANNED OUTAGE	08/06/2018 23:14:07	2,098.83	10
OH Other	PLANNED OUTAGE	08/07/2018 00:27:40	538.27	11
OH Other	PLANNED OUTAGE	08/07/2018 07:53:50	3,033.00	12
TX Repaired (OH)	PLANNED OUTAGE	08/07/2018 08:09:16	2,284.35	9
OH Other	PLANNED OUTAGE	08/07/2018 08:12:36	846.22	1
PLF	PLANNED OUTAGE	08/07/2018 08:35:11	5,825.97	22
URD Outage	PLANNED OUTAGE	08/07/2018 08:44:52	1,748.63	22
OH Other	PLANNED OUTAGE	08/07/2018 08:51:38	390.90	2
OH Other	PLANNED OUTAGE	08/07/2018 09:34:55	165.52	1
OH Other	PLANNED OUTAGE	08/07/2018 10:03:48	977.32	7
OH Other	PLANNED OUTAGE	08/07/2018 10:10:47	345.45	7
PLF	PLANNED OUTAGE	08/07/2018 10:16:53	773.60	4
OH Other	PLANNED OUTAGE	08/07/2018 16:11:18	140.55	3
OH Other	PLANNED OUTAGE	08/08/2018 07:29:42	1,574.07	4
OH Other	PLANNED OUTAGE	08/08/2018 08:39:02	1,939.70	6
OH Other	PLANNED OUTAGE	08/08/2018 08:53:18	2,251.60	12
OH Other	PLANNED OUTAGE	08/08/2018 10:31:33	705.17	10
OH Other	PLANNED OUTAGE	08/08/2018 10:53:18	3,691.22	29
URD Outage	PLANNED OUTAGE	08/08/2018 10:58:12	4,109.97	22
URD Outage	PLANNED OUTAGE	08/08/2018 10:58:12	15,692.60	84
URD Outage	PLANNED OUTAGE	08/08/2018 10:58:12	12,890.35	69
OH Other	PLANNED OUTAGE	08/08/2018 12:23:26	594.00	6
OH Other	PLANNED OUTAGE	08/08/2018 13:58:53	921.50	6
OH Other	PLANNED OUTAGE	08/08/2018 15:21:15	324.40	4
OH Other	PLANNED OUTAGE	08/08/2018 16:48:31	725.40	6
OH Other	PLANNED OUTAGE	08/08/2018 16:53:24	910.00	42
OH Other	PLANNED OUTAGE	08/08/2018 20:11:00	232.00	3
OH Other	PLANNED OUTAGE	08/08/2018 22:35:38	239.85	9
OH Other	PLANNED OUTAGE	08/09/2018 07:45:50	2,516.67	4
OH Other	PLANNED OUTAGE	08/09/2018 08:11:32	326.30	6
OH Other	PLANNED OUTAGE	08/09/2018 08:22:34	301.82	1
OH Other	PLANNED OUTAGE	08/09/2018 09:14:47	1,249.92	5
OH Other	PLANNED OUTAGE	08/09/2018 09:14:56	249.97	1
OH Other	PLANNED OUTAGE	08/09/2018 09:20:10	773.00	4
URD Outage	PLANNED OUTAGE	08/09/2018 09:31:42	994.27	8
OH Other	PLANNED OUTAGE	08/09/2018 09:47:48	1,362.25	5
OH Other	PLANNED OUTAGE	08/09/2018 16:09:10	6,691.25	53
URD Outage	PLANNED OUTAGE	08/09/2018 22:01:48	222.15	1
OH Other	PLANNED OUTAGE	08/10/2018 09:04:02	305.27	1
URD Outage	PLANNED OUTAGE	08/10/2018 09:11:41	976.52	13
URD Outage	PLANNED OUTAGE	08/10/2018 10:27:15	1,377.57	26
OH Other	PLANNED OUTAGE	08/10/2018 10:49:23	2,579.83	10
OH Other	PLANNED OUTAGE	08/10/2018 14:26:43	312.07	2
OH Other	PLANNED OUTAGE	08/10/2018 15:05:16	336.93	7
URD Outage	PLANNED OUTAGE	08/10/2018 16:41:59	168.00	7

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
URD Outage	PLANNED OUTAGE	08/10/2018 18:56:13	610.40	8
OH Other	PLANNED OUTAGE	08/10/2018 21:19:55	240.70	2
URD Outage	PLANNED OUTAGE	08/10/2018 21:37:33	9,985.00	20
OH Other	PLANNED OUTAGE	08/10/2018 22:42:09	114.00	3
PLF	PLANNED OUTAGE	08/11/2018 07:15:48	2,502.73	31
PLF	PLANNED OUTAGE	08/11/2018 09:31:16	13,678.20	298
TX Repaired (OH)	PLANNED OUTAGE	08/11/2018 11:16:27	55.53	2
OH Other	PLANNED OUTAGE	08/11/2018 21:42:31	111.37	1
OH Other	PLANNED OUTAGE	08/12/2018 13:36:31	1,993.60	6
OH Other	PLANNED OUTAGE	08/13/2018 09:26:20	1,197.90	6
OH Other	PLANNED OUTAGE	08/13/2018 09:33:23	3,905.60	8
OH Other	PLANNED OUTAGE	08/13/2018 09:33:30	3,415.42	7
OH Other	PLANNED OUTAGE	08/13/2018 09:34:45	1,126.27	8
UG Other	PLANNED OUTAGE	08/13/2018 09:47:12	1,520.80	24
OH Other	PLANNED OUTAGE	08/13/2018 09:53:34	437.40	9
OH Other	PLANNED OUTAGE	08/13/2018 10:18:41	870.27	8
OH Other	PLANNED OUTAGE	08/13/2018 10:18:56	326.10	3
OH Other	PLANNED OUTAGE	08/13/2018 11:23:13	48.85	1
UG Other	PLANNED OUTAGE	08/13/2018 11:36:51	260.55	1
OH Other	PLANNED OUTAGE	08/13/2018 12:19:08	76.07	1
OH Other	PLANNED OUTAGE	08/13/2018 12:26:35	74.52	1
OH Other	PLANNED OUTAGE	08/13/2018 13:29:06	764.55	3
OH Other	PLANNED OUTAGE	08/13/2018 13:46:48	159.10	3
OH Other	PLANNED OUTAGE	08/13/2018 14:11:14	1,473.85	7
OH Other	PLANNED OUTAGE	08/13/2018 14:54:17	240.83	2
OH Other	PLANNED OUTAGE	08/13/2018 15:30:51	543.33	4
Circuit Out	PLANNED OUTAGE	08/13/2018 15:36:05	12,055.50	810
Circuit Out	PLANNED OUTAGE	08/13/2018 15:36:05	58.25	1
Circuit Out	PLANNED OUTAGE	08/13/2018 15:36:05	28,947.80	217
Circuit Out	PLANNED OUTAGE	08/13/2018 15:36:05	1,279.07	8
OH Other	PLANNED OUTAGE	08/13/2018 22:11:48	162.92	17
OH Other	PLANNED OUTAGE	08/14/2018 00:35:15	640.67	8
OH Other	PLANNED OUTAGE	08/14/2018 11:37:58	413.73	4
OH Other	PLANNED OUTAGE	08/14/2018 11:54:45	508.40	2
OH Other	PLANNED OUTAGE	08/14/2018 13:47:22	723.67	5
OH Other	PLANNED OUTAGE	08/14/2018 22:15:39	1,133.87	8
OH Other	PLANNED OUTAGE	08/15/2018 08:15:55	853.40	2
OH Other	PLANNED OUTAGE	08/15/2018 08:22:06	10,808.88	17
OH Other	PLANNED OUTAGE	08/15/2018 08:37:54	43.32	1
PLF	PLANNED OUTAGE	08/15/2018 09:44:27	29,135.33	274
PLF	PLANNED OUTAGE	08/15/2018 10:59:40	492.63	2
OH Other	PLANNED OUTAGE	08/15/2018 12:57:13	634.00	4
OH Other	PLANNED OUTAGE	08/15/2018 13:35:37	488.60	4
OH Other	PLANNED OUTAGE	08/15/2018 16:11:18	1,332.13	8
OH Other	PLANNED OUTAGE	08/15/2018 18:24:41	1,163.07	13
Circuit Out	PLANNED OUTAGE	08/15/2018 20:16:30	10,367.50	1885
OH Other	PLANNED OUTAGE	08/15/2018 21:17:37	243.20	24
OH Other	PLANNED OUTAGE	08/16/2018 08:05:44	2,837.67	5
OH Other	PLANNED OUTAGE	08/16/2018 08:20:52	6,077.87	11
URD Outage	PLANNED OUTAGE	08/16/2018 08:54:26	424.65	3
OH Other	PLANNED OUTAGE	08/16/2018 08:54:56	1,378.50	9
OH Other	PLANNED OUTAGE	08/16/2018 11:00:59	1,129.70	6

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	08/16/2018 11:01:08	591.45	3
OH Other	PLANNED OUTAGE	08/16/2018 11:01:19	1,573.87	8
UG Other	PLANNED OUTAGE	08/16/2018 12:36:21	200.57	22
OH Other	PLANNED OUTAGE	08/17/2018 07:46:28	1,786.08	5
OH Other	PLANNED OUTAGE	08/17/2018 08:50:24	1,459.73	8
URD Outage	PLANNED OUTAGE	08/17/2018 09:29:47	269.28	1
URD Outage	PLANNED OUTAGE	08/17/2018 10:31:57	1,710.27	8
URD Outage	PLANNED OUTAGE	08/17/2018 10:38:12	227.93	4
OH Other	PLANNED OUTAGE	08/17/2018 14:51:04	165.07	8
OH Other	PLANNED OUTAGE	08/17/2018 18:12:58	294.53	1
OH Other	PLANNED OUTAGE	08/18/2018 10:42:49	67.05	1
UG Other	PLANNED OUTAGE	08/18/2018 17:42:05	1,024.60	12
OH Other	PLANNED OUTAGE	08/19/2018 12:43:38	572.65	13
OH Other	PLANNED OUTAGE	08/19/2018 15:45:23	106.67	5
TX Repaired (PM)	PLANNED OUTAGE	08/19/2018 18:37:56	4,720.67	10
URD Outage	PLANNED OUTAGE	08/19/2018 20:45:30	316.60	2
OH Other	PLANNED OUTAGE	08/19/2018 22:01:58	17,363.33	50
PLF	PLANNED OUTAGE	08/20/2018 09:26:06	19,942.72	71
OH Other	PLANNED OUTAGE	08/20/2018 09:54:29	785.45	3
OH Other	PLANNED OUTAGE	08/20/2018 09:59:40	240.80	1
OH Other	PLANNED OUTAGE	08/20/2018 10:03:55	1,300.17	5
OH Other	PLANNED OUTAGE	08/20/2018 10:07:04	494.00	2
OH Other	PLANNED OUTAGE	08/20/2018 11:38:16	2,870.45	11
OH Other	PLANNED OUTAGE	08/20/2018 11:38:57	142.60	1
OH Other	PLANNED OUTAGE	08/20/2018 11:56:35	1,388.40	9
UG Other	PLANNED OUTAGE	08/20/2018 12:47:29	940.95	9
OCR, Sec.	PLANNED OUTAGE	08/20/2018 20:23:20	39,177.70	1203
OH Other	PLANNED OUTAGE	08/21/2018 08:16:03	101.30	1
OH Other	PLANNED OUTAGE	08/21/2018 08:29:31	488.12	1
OH Other	PLANNED OUTAGE	08/21/2018 09:14:58	5,125.50	34
URD Outage	PLANNED OUTAGE	08/21/2018 09:44:34	1,297.20	18
OH Other	PLANNED OUTAGE	08/21/2018 10:24:31	3,360.90	9
URD Outage	PLANNED OUTAGE	08/21/2018 10:37:41	375.08	5
URD Outage	PLANNED OUTAGE	08/21/2018 10:37:41	857.17	10
OH Other	PLANNED OUTAGE	08/21/2018 11:14:07	1,310.70	9
OH Other	PLANNED OUTAGE	08/21/2018 11:29:42	1,230.02	7
OH Other	PLANNED OUTAGE	08/21/2018 11:29:58	47.83	1
OH Other	PLANNED OUTAGE	08/21/2018 13:03:38	355.60	7
URD Outage	PLANNED OUTAGE	08/21/2018 13:08:39	621.70	6
URD Outage	PLANNED OUTAGE	08/21/2018 13:19:22	738.60	12
Connections	PLANNED OUTAGE	08/21/2018 19:57:44	111.55	1
OH Other	PLANNED OUTAGE	08/22/2018 07:59:10	2,177.35	7
OH Other	PLANNED OUTAGE	08/22/2018 08:54:37	1,398.45	9
OH Other	PLANNED OUTAGE	08/22/2018 11:04:58	3,365.15	17
OH Other	PLANNED OUTAGE	08/22/2018 11:22:08	334.72	7
OH Other	PLANNED OUTAGE	08/22/2018 13:18:00	807.00	9
Service - Crew	PLANNED OUTAGE	08/22/2018 13:36:34	58.15	1
OH Other	PLANNED OUTAGE	08/22/2018 13:58:09	488.50	3
OH Other	PLANNED OUTAGE	08/22/2018 13:58:16	977.20	6
OH Other	PLANNED OUTAGE	08/22/2018 14:33:06	546.30	6
OH Other	PLANNED OUTAGE	08/22/2018 15:22:50	144.27	4
OH Other	PLANNED OUTAGE	08/22/2018 16:25:40	109.58	5

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	08/22/2018 18:00:20	2,968.65	81
OH Other	PLANNED OUTAGE	08/22/2018 18:03:18	103.37	1
OH Other	PLANNED OUTAGE	08/22/2018 18:03:25	103.38	1
OH Other	PLANNED OUTAGE	08/23/2018 08:08:02	1,130.13	8
OH Other	PLANNED OUTAGE	08/23/2018 08:23:46	1,547.15	11
URD Outage	PLANNED OUTAGE	08/23/2018 08:40:33	359.25	1
URD Outage	PLANNED OUTAGE	08/23/2018 09:36:16	14,877.00	54
OH Other	PLANNED OUTAGE	08/23/2018 09:55:49	368.13	8
OH Other	PLANNED OUTAGE	08/23/2018 13:29:26	1,867.08	5
OH Other	PLANNED OUTAGE	08/23/2018 15:22:46	501.87	16
OH Other	PLANNED OUTAGE	08/23/2018 16:31:53	63.93	1
OH Other	PLANNED OUTAGE	08/23/2018 16:51:27	15.88	1
Circuit Out	PLANNED OUTAGE	08/23/2018 18:38:03	14,499.60	2248
OH Other	PLANNED OUTAGE	08/23/2018 19:39:36	417.63	11
OH Other	PLANNED OUTAGE	08/23/2018 21:04:39	2,242.67	8
OH Other	PLANNED OUTAGE	08/24/2018 07:26:16	182.03	2
OH Other	PLANNED OUTAGE	08/24/2018 08:50:49	2,233.40	6
URD Outage	PLANNED OUTAGE	08/24/2018 09:34:02	376.80	6
URD Outage	PLANNED OUTAGE	08/24/2018 09:51:18	121.42	1
OH Other	PLANNED OUTAGE	08/24/2018 10:30:19	1,208.70	6
OH Other	PLANNED OUTAGE	08/24/2018 12:53:38	1,176.90	9
OH Other	PLANNED OUTAGE	08/24/2018 13:45:19	757.50	10
OH Other	PLANNED OUTAGE	08/24/2018 15:30:20	241.17	5
Circuit Out	PLANNED OUTAGE	08/24/2018 21:48:49	4,745.42	1627
OH Other	PLANNED OUTAGE	08/25/2018 07:08:05	29,851.00	20
PLF	PLANNED OUTAGE	08/25/2018 08:12:32	199.35	1
PLF	PLANNED OUTAGE	08/25/2018 08:12:32	199.35	1
UG Other	PLANNED OUTAGE	08/25/2018 08:15:34	196.87	1
PLF	PLANNED OUTAGE	08/25/2018 08:36:01	184.02	1
Circuit Out	PLANNED OUTAGE	08/25/2018 23:47:40	5,746.37	2077
Circuit Out	PLANNED OUTAGE	08/26/2018 07:38:09	6,829.90	1774
OH Other	PLANNED OUTAGE	08/26/2018 07:55:00	195.00	13
URD Outage	PLANNED OUTAGE	08/26/2018 08:29:41	115.02	1
OH Other	PLANNED OUTAGE	08/26/2018 17:30:28	627.60	4
OH Other	PLANNED OUTAGE	08/26/2018 22:15:16	1,706.50	5
UG Other	PLANNED OUTAGE	08/27/2018 08:35:37	588.47	7
OH Other	PLANNED OUTAGE	08/27/2018 10:01:20	757.33	8
OH Other	PLANNED OUTAGE	08/27/2018 11:05:43	81.05	1
OH Other	PLANNED OUTAGE	08/27/2018 11:51:07	1,768.05	9
OH Other	PLANNED OUTAGE	08/27/2018 13:34:59	148.13	4
URD Outage	PLANNED OUTAGE	08/27/2018 13:54:43	286.40	4
OH Other	PLANNED OUTAGE	08/27/2018 17:40:11	815.10	6
OH Other	PLANNED OUTAGE	08/27/2018 22:08:36	151.35	3
PLF	PLANNED OUTAGE	08/28/2018 02:36:04	143.60	6
OH Other	PLANNED OUTAGE	08/28/2018 07:27:47	277.05	3
OH Other	PLANNED OUTAGE	08/28/2018 08:44:12	185.47	1
URD Outage	PLANNED OUTAGE	08/28/2018 09:55:32	1,236.80	32
OH Other	PLANNED OUTAGE	08/28/2018 09:59:44	977.20	6
UG Other	PLANNED OUTAGE	08/28/2018 10:02:42	9,658.85	37
OH Other	PLANNED OUTAGE	08/28/2018 10:19:22	1,674.13	32
OH Other	PLANNED OUTAGE	08/28/2018 11:04:10	767.40	9
UG Other	PLANNED OUTAGE	08/28/2018 11:04:39	122.50	2

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	08/28/2018 12:43:09	442.40	8
PLF	PLANNED OUTAGE	08/28/2018 13:22:06	4,798.27	28
OH Other	PLANNED OUTAGE	08/28/2018 13:23:03	615.30	7
OH Other	PLANNED OUTAGE	08/28/2018 16:24:22	196.70	1
OH Other	PLANNED OUTAGE	08/29/2018 08:55:06	1,660.67	8
PLF	PLANNED OUTAGE	08/29/2018 09:17:06	4,106.67	22
OH Other	PLANNED OUTAGE	08/29/2018 12:03:30	92.50	3
OH Other	PLANNED OUTAGE	08/29/2018 14:20:15	625.60	8
OH Other	PLANNED OUTAGE	08/29/2018 15:14:50	1,991.62	7
OH Other	PLANNED OUTAGE	08/29/2018 16:05:43	1,080.72	1
Circuit Out	PLANNED OUTAGE	08/29/2018 16:23:41	92,262.15	1263
OH Other	PLANNED OUTAGE	08/29/2018 18:31:31	128.10	9
PLF	PLANNED OUTAGE	08/29/2018 22:56:32	12,372.60	612
OCR, Sec.	PLANNED OUTAGE	08/29/2018 22:57:01	1,191.60	216
OH Other	PLANNED OUTAGE	08/29/2018 23:23:55	3,173.87	8
PLF	PLANNED OUTAGE	08/30/2018 00:09:12	28,089.60	99
OH Other	PLANNED OUTAGE	08/30/2018 06:29:20	11,853.33	28
URD Outage	PLANNED OUTAGE	08/30/2018 08:02:13	4,661.98	59
OH Other	PLANNED OUTAGE	08/30/2018 08:17:19	1,265.37	17
OH Other	PLANNED OUTAGE	08/30/2018 08:56:57	1,824.20	12
OH Other	PLANNED OUTAGE	08/30/2018 11:00:59	50.50	5
OH Other	PLANNED OUTAGE	08/30/2018 12:06:24	715.35	9
UG Other	PLANNED OUTAGE	08/30/2018 13:44:17	119.93	1
OH Other	PLANNED OUTAGE	08/30/2018 14:18:56	151.43	11
OH Other	PLANNED OUTAGE	08/30/2018 18:42:13	3,006.80	6
Circuit Out	PLANNED OUTAGE	08/30/2018 18:44:15	7,761.50	1634
OH Other	PLANNED OUTAGE	08/30/2018 19:36:57	711.85	3
OH Other	PLANNED OUTAGE	08/30/2018 19:37:56	778.00	20
Circuit Out	PLANNED OUTAGE	08/30/2018 20:54:42	3,420.10	1487
OH Other	PLANNED OUTAGE	08/30/2018 23:20:06	1,771.07	8
OH Other	PLANNED OUTAGE	08/30/2018 23:50:33	775.93	4
OH Other	PLANNED OUTAGE	08/31/2018 07:58:30	46.50	2
URD Outage	PLANNED OUTAGE	08/31/2018 11:41:33	581.00	5
OH Other	PLANNED OUTAGE	08/31/2018 13:01:20	692.75	15
Circuit Out	PLANNED OUTAGE	08/31/2018 14:49:44	9,628.57	661
Circuit Out	PLANNED OUTAGE	08/31/2018 17:10:09	9,196.80	128
URD Outage	PLANNED OUTAGE	08/31/2018 18:07:44	32.00	3
OH Other	PLANNED OUTAGE	08/31/2018 19:06:40	838.20	44
OH Other	PLANNED OUTAGE	09/01/2018 02:32:06	88.53	4
OH Other	PLANNED OUTAGE	09/01/2018 08:03:43	400.73	2
OH Other	PLANNED OUTAGE	09/01/2018 09:10:54	2,837.67	5
OH Other	PLANNED OUTAGE	09/01/2018 18:43:19	238.83	10
OH Other	PLANNED OUTAGE	09/01/2018 20:26:50	961.95	11
OH Other	PLANNED OUTAGE	09/01/2018 20:41:26	381.27	7
Circuit Out	PLANNED OUTAGE	09/02/2018 15:15:47	21,797.33	1072
OH Other	PLANNED OUTAGE	09/02/2018 16:32:28	154.47	2
OH Other	PLANNED OUTAGE	09/03/2018 10:18:48	902.55	3
PLF	PLANNED OUTAGE	09/03/2018 15:40:17	544.72	23
Circuit Out	PLANNED OUTAGE	09/04/2018 07:16:32	3,875.32	413
OH Other	PLANNED OUTAGE	09/04/2018 07:16:32	3,868.20	3
OH Other	PLANNED OUTAGE	09/04/2018 08:15:38	4,290.67	10
OH Other	PLANNED OUTAGE	09/04/2018 09:33:20	3,479.22	19

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	09/04/2018 09:54:21	1,009.47	8
OH Other	PLANNED OUTAGE	09/04/2018 10:09:01	79.28	1
OH Other	PLANNED OUTAGE	09/04/2018 10:36:02	493.90	11
OH Other	PLANNED OUTAGE	09/04/2018 12:52:32	505.87	2
OH Other	PLANNED OUTAGE	09/04/2018 13:42:44	797.87	8
OH Other	PLANNED OUTAGE	09/04/2018 14:20:23	194.45	3
OH Other	PLANNED OUTAGE	09/04/2018 15:00:05	132.47	1
OH Other	PLANNED OUTAGE	09/04/2018 18:46:39	2,105.13	14
URD Outage	PLANNED OUTAGE	09/04/2018 19:23:59	1,203.60	34
TX Repaired (OH)	PLANNED OUTAGE	09/05/2018 07:13:00	1,092.75	3
OH Other	PLANNED OUTAGE	09/05/2018 08:10:59	1,557.03	7
OH Other	PLANNED OUTAGE	09/05/2018 08:23:05	176.00	3
PLF	PLANNED OUTAGE	09/05/2018 09:45:03	201.32	1
OH Other	PLANNED OUTAGE	09/05/2018 10:14:20	201.58	5
OH Other	PLANNED OUTAGE	09/05/2018 10:14:39	172.92	1
OH Other	PLANNED OUTAGE	09/05/2018 10:31:00	1,122.73	4
OH Other	PLANNED OUTAGE	09/05/2018 11:40:27	87.07	4
OH Other	PLANNED OUTAGE	09/05/2018 11:48:16	612.73	7
OH Other	PLANNED OUTAGE	09/05/2018 13:10:42	111.32	1
PLF	PLANNED OUTAGE	09/05/2018 13:20:36	120.73	1
Circuit Out	PLANNED OUTAGE	09/05/2018 19:38:15	1,180.50	787
OH Other	PLANNED OUTAGE	09/06/2018 01:35:25	1,103.67	10
Circuit Out	PLANNED OUTAGE	09/06/2018 06:05:56	6,336.00	320
OH Other	PLANNED OUTAGE	09/06/2018 08:10:31	2,058.70	17
PLF	PLANNED OUTAGE	09/06/2018 09:12:57	7,823.33	20
OH Other	PLANNED OUTAGE	09/06/2018 09:51:56	1,678.45	3
OH Other	PLANNED OUTAGE	09/06/2018 11:58:07	251.68	1
Circuit Out	PLANNED OUTAGE	09/06/2018 17:31:29	19,720.90	1194
OH Other	PLANNED OUTAGE	09/07/2018 09:17:44	990.83	5
OH Other	PLANNED OUTAGE	09/07/2018 09:28:49	2,984.60	12
URD Outage	PLANNED OUTAGE	09/07/2018 09:38:29	367.83	5
OH Other	PLANNED OUTAGE	09/07/2018 10:37:33	849.75	5
OH Other	PLANNED OUTAGE	09/07/2018 11:22:35	849.57	11
OH Other	PLANNED OUTAGE	09/07/2018 13:44:59	306.80	4
OH Other	PLANNED OUTAGE	09/07/2018 15:00:31	1,570.25	5
URD Outage	PLANNED OUTAGE	09/07/2018 16:49:47	1,376.00	6
OH Other	PLANNED OUTAGE	09/07/2018 16:55:11	787.27	4
OH Other	PLANNED OUTAGE	09/07/2018 17:38:35	154.72	1
OH Other	PLANNED OUTAGE	09/08/2018 10:33:42	1,588.35	9
OH Other	PLANNED OUTAGE	09/08/2018 13:30:00	52.27	2
URD Outage	PLANNED OUTAGE	09/09/2018 08:28:19	338.25	1
OH Other	PLANNED OUTAGE	09/09/2018 17:46:53	658.05	9
OH Other	PLANNED OUTAGE	09/10/2018 09:08:26	2,532.90	9
URD Outage	PLANNED OUTAGE	09/10/2018 09:10:26	1,984.85	3
OH Other	PLANNED OUTAGE	09/10/2018 10:01:24	611.60	4
OH Other	PLANNED OUTAGE	09/10/2018 10:32:08	113.13	1
OH Other	PLANNED OUTAGE	09/10/2018 10:37:20	192.73	1
OH Other	PLANNED OUTAGE	09/10/2018 10:53:42	16,076.98	43
OH Other	PLANNED OUTAGE	09/10/2018 11:10:47	1,594.80	6
OH Other	PLANNED OUTAGE	09/10/2018 11:36:17	1,295.47	7
OH Other	PLANNED OUTAGE	09/10/2018 12:36:34	412.43	2
OH Other	PLANNED OUTAGE	09/10/2018 13:02:20	129.07	1

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
Circuit Out	PLANNED OUTAGE	09/10/2018 13:24:19	16,019.55	873
OH Other	PLANNED OUTAGE	09/10/2018 15:33:06	94.40	1
OH Other	PLANNED OUTAGE	09/10/2018 20:18:35	247.95	29
OH Other	PLANNED OUTAGE	09/11/2018 07:25:55	4,804.60	6
URD Outage	PLANNED OUTAGE	09/11/2018 09:40:51	250.15	1
OH Other	PLANNED OUTAGE	09/11/2018 09:55:54	1,258.40	6
Step Restoration	PLANNED OUTAGE	09/12/2018 07:08:53	322.43	2
URD Outage	PLANNED OUTAGE	09/12/2018 08:43:57	262.70	1
Circuit Out	PLANNED OUTAGE	09/12/2018 20:23:31	2,172.32	451
URD Outage	PLANNED OUTAGE	09/13/2018 08:54:51	467.17	10
URD Outage	PLANNED OUTAGE	09/13/2018 09:52:12	457.50	9
URD Outage	PLANNED OUTAGE	09/13/2018 12:50:48	2,564.58	125
Circuit Out	PLANNED OUTAGE	09/13/2018 19:20:15	15,642.60	2697
Circuit Out	PLANNED OUTAGE	09/13/2018 21:06:22	4,843.40	1191
Circuit Out	PLANNED OUTAGE	09/13/2018 22:01:24	25,091.33	610
URD Outage	PLANNED OUTAGE	09/14/2018 08:59:01	305.00	4
Circuit Out	PLANNED OUTAGE	09/14/2018 15:50:57	695.60	444
URD Outage	PLANNED OUTAGE	09/15/2018 07:31:31	41.15	1
URD Outage	PLANNED OUTAGE	09/15/2018 07:35:40	788.83	5
Circuit Out	PLANNED OUTAGE	09/15/2018 12:09:57	8,197.95	1763
URD Outage	PLANNED OUTAGE	09/15/2018 12:15:25	2,526.50	30
URD Outage	PLANNED OUTAGE	09/15/2018 14:14:52	653.60	24
OH Other	PLANNED OUTAGE	09/15/2018 15:19:38	12,016.33	235
URD Outage	PLANNED OUTAGE	09/15/2018 18:53:22	1,559.20	24
OH Other	PLANNED OUTAGE	09/16/2018 16:31:58	452.50	15
OH Other	PLANNED OUTAGE	09/16/2018 16:54:12	487.20	12
OH Other	PLANNED OUTAGE	09/17/2018 08:37:42	490.05	11
OH Other	PLANNED OUTAGE	09/17/2018 10:45:34	4,510.18	11
URD Outage	PLANNED OUTAGE	09/17/2018 10:58:12	788.80	6
URD Outage	PLANNED OUTAGE	09/18/2018 09:39:00	501.60	19
OH Other	PLANNED OUTAGE	09/18/2018 09:39:15	291.50	6
URD Outage	PLANNED OUTAGE	09/18/2018 10:30:19	1,827.80	12
OH Other	PLANNED OUTAGE	09/18/2018 10:38:21	382.33	4
OH Other	PLANNED OUTAGE	09/18/2018 11:00:54	134.05	1
Step Restoration	PLANNED OUTAGE	09/18/2018 11:00:54	142.75	1
URD Outage	PLANNED OUTAGE	09/18/2018 11:09:22	2,109.50	15
URD Outage	PLANNED OUTAGE	09/18/2018 11:09:22	929.72	7
OH Other	PLANNED OUTAGE	09/18/2018 11:24:23	45.40	1
URD Outage	PLANNED OUTAGE	09/18/2018 11:31:23	472.15	7
URD Outage	PLANNED OUTAGE	09/18/2018 13:53:57	595.07	8
URD Outage	PLANNED OUTAGE	09/19/2018 03:25:59	108.98	1
OH Other	PLANNED OUTAGE	09/19/2018 08:46:29	727.47	4
OH Other	PLANNED OUTAGE	09/19/2018 10:12:14	1,015.00	10
OH Other	PLANNED OUTAGE	09/19/2018 13:44:12	843.85	7
OH Other	PLANNED OUTAGE	09/19/2018 14:31:38	311.03	14
OH Other	PLANNED OUTAGE	09/20/2018 08:30:08	72.03	1
OH Other	PLANNED OUTAGE	09/20/2018 09:21:16	1,580.87	23
OH Other	PLANNED OUTAGE	09/20/2018 09:36:56	322.70	7
Circuit Out	PLANNED OUTAGE	09/20/2018 20:23:17	2,761.60	863
Circuit Out	PLANNED OUTAGE	09/20/2018 22:43:57	8,458.23	1703
OH Other	PLANNED OUTAGE	09/21/2018 08:09:13	494.10	6
OH Other	PLANNED OUTAGE	09/21/2018 09:09:49	475.90	3

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
URD Outage	PLANNED OUTAGE	09/21/2018 10:07:43	248.27	7
OH Other	PLANNED OUTAGE	09/21/2018 15:15:59	1,663.45	3
OH Other	PLANNED OUTAGE	09/21/2018 19:51:17	1,601.48	7
OH Other	PLANNED OUTAGE	09/22/2018 00:57:10	682.93	2
URD Outage	PLANNED OUTAGE	09/22/2018 09:46:29	58.73	1
OH Other	PLANNED OUTAGE	09/22/2018 21:04:27	1,460.87	17
OH Other	PLANNED OUTAGE	09/23/2018 02:15:06	2,849.00	14
PLF	PLANNED OUTAGE	09/23/2018 05:37:14	958.00	6
OH Other	PLANNED OUTAGE	09/23/2018 09:50:28	721.13	4
PLF	PLANNED OUTAGE	09/23/2018 19:35:00	6,447.47	44
OH Other	PLANNED OUTAGE	09/23/2018 21:13:33	711.50	15
OH Other	PLANNED OUTAGE	09/24/2018 04:04:23	814.58	5
OH Other	PLANNED OUTAGE	09/24/2018 09:01:47	496.10	2
OH Other	PLANNED OUTAGE	09/24/2018 09:03:13	990.33	4
OH Other	PLANNED OUTAGE	09/24/2018 09:04:03	742.50	3
OH Other	PLANNED OUTAGE	09/24/2018 09:04:54	494.80	2
OH Other	PLANNED OUTAGE	09/24/2018 09:33:12	139.62	1
OH Other	PLANNED OUTAGE	09/24/2018 09:41:36	352.30	13
OH Other	PLANNED OUTAGE	09/24/2018 13:39:58	84.20	1
URD Outage	PLANNED OUTAGE	09/24/2018 13:41:32	121.05	1
OH Other	PLANNED OUTAGE	09/24/2018 14:32:25	892.52	1
OH Other	PLANNED OUTAGE	09/24/2018 15:55:59	143.17	5
OH Other	PLANNED OUTAGE	09/24/2018 21:02:36	7,017.27	14
Circuit Out	PLANNED OUTAGE	09/24/2018 21:43:31	4,961.20	474
Circuit Out	PLANNED OUTAGE	09/24/2018 22:11:05	13,928.40	438
URD Outage	PLANNED OUTAGE	09/25/2018 05:16:32	167.08	1
OH Other	PLANNED OUTAGE	09/25/2018 07:28:32	1,101.00	9
URD Outage	PLANNED OUTAGE	09/25/2018 10:45:14	277.92	5
OH Other	PLANNED OUTAGE	09/25/2018 11:00:53	215.37	7
OH Other	PLANNED OUTAGE	09/25/2018 11:19:18	164.02	13
URD Outage	PLANNED OUTAGE	09/25/2018 11:20:55	52.70	1
OH Other	PLANNED OUTAGE	09/25/2018 11:44:59	1,384.93	13
OH Other	PLANNED OUTAGE	09/25/2018 11:52:41	202.50	3
OH Other	PLANNED OUTAGE	09/25/2018 11:54:10	1,222.80	9
URD Outage	PLANNED OUTAGE	09/25/2018 13:31:04	4,436.43	17
OH Other	PLANNED OUTAGE	09/25/2018 13:56:22	492.50	10
OH Other	PLANNED OUTAGE	09/25/2018 16:59:35	153.10	1
OH Other	PLANNED OUTAGE	09/25/2018 23:33:59	977.87	16
PLF	PLANNED OUTAGE	09/26/2018 00:01:36	224.22	11
OH Other	PLANNED OUTAGE	09/26/2018 00:27:26	65.78	1
OH Other	PLANNED OUTAGE	09/26/2018 02:48:35	401.00	3
Circuit Out	PLANNED OUTAGE	09/26/2018 05:09:27	2,813.00	580
OH Other	PLANNED OUTAGE	09/26/2018 09:04:18	2,326.60	12
TX Repaired (PM)	PLANNED OUTAGE	09/26/2018 09:10:26	702.40	12
OH Other	PLANNED OUTAGE	09/26/2018 09:31:40	1,122.20	2
OH Other	PLANNED OUTAGE	09/26/2018 09:41:19	285.30	1
TX Repaired (OH)	PLANNED OUTAGE	09/26/2018 11:11:24	2,034.53	8
TX Repaired (OH)	PLANNED OUTAGE	09/26/2018 11:19:31	428.28	7
TX Repaired (OH)	PLANNED OUTAGE	09/26/2018 12:10:49	1,608.80	4
OH Other	PLANNED OUTAGE	09/26/2018 13:20:39	1,659.45	39
TX Repaired (OH)	PLANNED OUTAGE	09/26/2018 20:39:43	122.08	1
OH Other	PLANNED OUTAGE	09/27/2018 02:31:05	1,755.33	20

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
URD Outage	PLANNED OUTAGE	09/27/2018 04:40:17	300.17	5
OH Other	PLANNED OUTAGE	09/27/2018 08:31:07	2,657.85	9
OH Other	PLANNED OUTAGE	09/27/2018 08:32:05	1,377.17	10
OH Other	PLANNED OUTAGE	09/27/2018 08:43:13	1,102.43	2
OH Other	PLANNED OUTAGE	09/27/2018 09:16:53	758.43	2
OH Other	PLANNED OUTAGE	09/27/2018 10:37:03	902.17	10
OH Other	PLANNED OUTAGE	09/27/2018 11:24:05	866.62	11
OH Other	PLANNED OUTAGE	09/27/2018 11:25:40	312.87	4
OH Other	PLANNED OUTAGE	09/27/2018 13:08:14	447.90	18
OH Other	PLANNED OUTAGE	09/27/2018 15:07:19	1,346.93	8
OH Other	PLANNED OUTAGE	09/27/2018 15:18:01	316.27	2
URD Outage	PLANNED OUTAGE	09/27/2018 16:30:47	68.35	1
OH Other	PLANNED OUTAGE	09/27/2018 22:28:31	10,861.20	126
Circuit Out	PLANNED OUTAGE	09/28/2018 04:29:08	11,729.80	1052
URD Outage	PLANNED OUTAGE	09/28/2018 07:20:00	5,655.00	39
OH Other	PLANNED OUTAGE	09/28/2018 09:06:31	1,052.80	7
OH Other	PLANNED OUTAGE	09/28/2018 09:43:49	624.50	2
URD Outage	PLANNED OUTAGE	09/28/2018 09:58:33	258.27	8
OH Other	PLANNED OUTAGE	09/28/2018 10:22:19	2,698.40	3
OH Other	PLANNED OUTAGE	09/28/2018 10:31:46	397.20	9
OH Other	PLANNED OUTAGE	09/28/2018 12:52:15	9,750.65	13
URD Outage	PLANNED OUTAGE	09/29/2018 05:21:36	434.30	3
Circuit Out	PLANNED OUTAGE	09/29/2018 06:57:44	7,505.67	979
OCR, Sec.	PLANNED OUTAGE	09/29/2018 19:00:05	8,626.25	1005
OH Other	PLANNED OUTAGE	10/01/2018 08:38:46	586.67	5
OH Other	PLANNED OUTAGE	10/01/2018 08:48:39	875.23	11
OH Other	PLANNED OUTAGE	10/01/2018 09:08:39	333.00	1
OH Other	PLANNED OUTAGE	10/01/2018 09:17:51	550.83	2
OH Other	PLANNED OUTAGE	10/01/2018 09:17:59	826.35	3
URD Outage	PLANNED OUTAGE	10/01/2018 09:33:50	509.47	8
OH Other	PLANNED OUTAGE	10/01/2018 09:51:00	792.00	8
URD Outage	PLANNED OUTAGE	10/01/2018 10:15:29	402.77	2
TX Replaced (PM)	PLANNED OUTAGE	10/01/2018 12:17:48	492.20	1
OH Other	PLANNED OUTAGE	10/01/2018 12:23:43	1,730.27	8
OH Other	PLANNED OUTAGE	10/01/2018 16:04:47	159.67	4
OH Other	PLANNED OUTAGE	10/02/2018 08:35:49	273.35	1
OH Other	PLANNED OUTAGE	10/02/2018 08:36:14	432.30	9
UG Other	PLANNED OUTAGE	10/02/2018 08:42:43	164.27	1
OH Other	PLANNED OUTAGE	10/02/2018 08:44:53	1,299.33	5
URD Outage	PLANNED OUTAGE	10/02/2018 08:59:27	94.40	6
UG Other	PLANNED OUTAGE	10/02/2018 09:21:22	566.30	7
OH Other	PLANNED OUTAGE	10/02/2018 09:55:31	410.60	1
OH Other	PLANNED OUTAGE	10/02/2018 10:30:39	645.60	2
URD Outage	PLANNED OUTAGE	10/02/2018 10:39:31	227.00	6
URD Outage	PLANNED OUTAGE	10/02/2018 11:09:10	203.67	5
OH Other	PLANNED OUTAGE	10/02/2018 12:17:40	1,440.20	12
OH Other	PLANNED OUTAGE	10/02/2018 12:21:28	1,255.33	7
OH Other	PLANNED OUTAGE	10/02/2018 12:45:23	217.97	2
OH Other	PLANNED OUTAGE	10/02/2018 13:31:21	779.60	4
PLF	PLANNED OUTAGE	10/02/2018 14:39:06	597.50	3
OH Other	PLANNED OUTAGE	10/02/2018 16:59:34	2,986.67	8
Circuit Out	PLANNED OUTAGE	10/03/2018 07:37:01	5,086.03	1067

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	10/03/2018 08:14:51	388.15	7
OH Other	PLANNED OUTAGE	10/03/2018 08:18:52	1,941.40	17
TX Repaired (OH)	PLANNED OUTAGE	10/03/2018 09:15:50	1,747.95	9
OH Other	PLANNED OUTAGE	10/03/2018 10:43:33	323.25	5
UG Other	PLANNED OUTAGE	10/03/2018 11:02:54	50,322.67	226
TX Repaired (OH)	PLANNED OUTAGE	10/03/2018 11:33:27	937.93	4
TX Repaired (OH)	PLANNED OUTAGE	10/03/2018 12:30:51	925.25	5
UG Other	PLANNED OUTAGE	10/03/2018 13:44:31	94.05	3
Circuit Out	PLANNED OUTAGE	10/03/2018 14:29:07	5,672.10	666
UG Other	PLANNED OUTAGE	10/03/2018 16:27:00	33.58	1
UG Other	PLANNED OUTAGE	10/03/2018 20:21:52	2,975.13	22
OH Other	PLANNED OUTAGE	10/04/2018 07:20:45	96.75	1
OH Other	PLANNED OUTAGE	10/04/2018 08:15:37	173.13	1
OH Other	PLANNED OUTAGE	10/04/2018 08:49:29	354.17	1
URD Outage	PLANNED OUTAGE	10/04/2018 09:01:57	319.75	1
OH Other	PLANNED OUTAGE	10/04/2018 09:13:15	1,564.20	9
OH Other	PLANNED OUTAGE	10/04/2018 09:14:31	1,362.93	4
OH Other	PLANNED OUTAGE	10/04/2018 09:32:29	599.33	4
OH Other	PLANNED OUTAGE	10/04/2018 09:32:35	748.17	5
URD Outage	PLANNED OUTAGE	10/04/2018 10:30:43	156.68	1
OH Other	PLANNED OUTAGE	10/04/2018 11:29:58	285.88	1
URD Outage	PLANNED OUTAGE	10/04/2018 11:46:50	111.95	1
Connections	PLANNED OUTAGE	10/04/2018 15:43:35	52.50	1
OH Other	PLANNED OUTAGE	10/04/2018 17:02:41	294.62	11
OH Other	PLANNED OUTAGE	10/04/2018 22:21:08	230.67	1
OH Other	PLANNED OUTAGE	10/05/2018 06:26:33	759.60	6
URD Outage	PLANNED OUTAGE	10/05/2018 08:08:42	231.05	1
PLF	PLANNED OUTAGE	10/06/2018 00:20:46	1,224.53	16
URD Outage	PLANNED OUTAGE	10/07/2018 07:21:09	150.67	1
URD Outage	PLANNED OUTAGE	10/08/2018 06:54:16	21,451.20	288
OH Other	PLANNED OUTAGE	10/08/2018 08:58:38	350.17	5
OH Other	PLANNED OUTAGE	10/08/2018 09:17:48	372.20	1
OH Other	PLANNED OUTAGE	10/08/2018 09:19:52	2,776.43	7
OH Other	PLANNED OUTAGE	10/08/2018 09:24:21	49.87	8
OH Other	PLANNED OUTAGE	10/08/2018 09:56:38	246.73	2
TX Replaced (PM)	PLANNED OUTAGE	10/08/2018 10:19:42	4,759.07	8
TX Replaced (PM)	PLANNED OUTAGE	10/08/2018 10:19:42	4,759.07	8
URD Outage	PLANNED OUTAGE	10/08/2018 10:27:05	73.53	2
OH Other	PLANNED OUTAGE	10/08/2018 11:47:10	193.75	3
OH Other	PLANNED OUTAGE	10/08/2018 12:42:37	986.57	17
OH Other	PLANNED OUTAGE	10/08/2018 13:33:29	2,251.17	10
OH Other	PLANNED OUTAGE	10/08/2018 13:45:19	145.58	1
OH Other	PLANNED OUTAGE	10/08/2018 14:02:04	370.00	15
OH Other	PLANNED OUTAGE	10/08/2018 16:11:57	130.67	2
URD Outage	PLANNED OUTAGE	10/09/2018 03:18:12	9,460.00	66
OH Other	PLANNED OUTAGE	10/09/2018 07:58:59	2,171.13	4
OH Other	PLANNED OUTAGE	10/09/2018 08:58:11	534.93	2
OH Other	PLANNED OUTAGE	10/09/2018 08:58:23	532.83	2
OH Other	PLANNED OUTAGE	10/09/2018 08:58:30	530.60	2
OH Other	PLANNED OUTAGE	10/09/2018 08:58:37	792.40	3
OH Other	PLANNED OUTAGE	10/09/2018 09:14:43	1,022.80	4
OH Other	PLANNED OUTAGE	10/09/2018 09:31:02	373.45	7

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	10/09/2018 09:42:55	805.80	4
OH Other	PLANNED OUTAGE	10/09/2018 09:50:29	588.93	7
OH Other	PLANNED OUTAGE	10/09/2018 10:37:32	1,417.23	17
OH Other	PLANNED OUTAGE	10/09/2018 11:32:45	147.40	3
Switch 600 amp	PLANNED OUTAGE	10/09/2018 13:04:49	12,502.00	1596
OH Other	PLANNED OUTAGE	10/09/2018 13:07:23	3,959.30	17
URD Outage	PLANNED OUTAGE	10/09/2018 14:31:45	581.72	11
OH Other	PLANNED OUTAGE	10/09/2018 16:45:48	658.67	8
OH Other	PLANNED OUTAGE	10/09/2018 21:22:58	3,372.50	114
URD Outage	PLANNED OUTAGE	10/09/2018 21:23:10	4,838.38	163
OH Other	PLANNED OUTAGE	10/10/2018 09:13:39	419.25	1
OH Other	PLANNED OUTAGE	10/10/2018 10:42:15	68.17	5
Primary Wire	PLANNED OUTAGE	10/10/2018 12:55:31	274.08	1
URD Outage	PLANNED OUTAGE	10/10/2018 12:55:31	107,447.20	392
OH Other	PLANNED OUTAGE	10/10/2018 14:33:57	405.57	2
OH Other	PLANNED OUTAGE	10/10/2018 17:17:27	19,468.80	48
OH Other	PLANNED OUTAGE	10/11/2018 15:21:19	5,510.05	91
OH Other	PLANNED OUTAGE	10/12/2018 08:42:02	8,743.73	16
OH Other	PLANNED OUTAGE	10/12/2018 08:43:12	241.60	16
OH Other	PLANNED OUTAGE	10/12/2018 09:17:44	2,044.93	4
OH Other	PLANNED OUTAGE	10/12/2018 14:41:09	1,692.30	9
OH Other	PLANNED OUTAGE	10/13/2018 15:15:00	4,869.03	43
URD Outage	PLANNED OUTAGE	10/13/2018 17:09:42	19.60	7
OH Other	PLANNED OUTAGE	10/13/2018 19:14:42	56.95	3
PLF	PLANNED OUTAGE	10/14/2018 10:16:45	9,814.45	19
OH Other	PLANNED OUTAGE	10/14/2018 19:55:18	1,339.40	12
PLF	PLANNED OUTAGE	10/14/2018 22:25:08	4,702.67	16
OH Other	PLANNED OUTAGE	10/15/2018 10:51:58	1,157.25	9
OH Other	PLANNED OUTAGE	10/15/2018 21:24:24	370.27	8
URD Outage	PLANNED OUTAGE	10/16/2018 09:27:41	294.00	8
OH Other	PLANNED OUTAGE	10/16/2018 10:00:05	493.85	7
URD Outage	PLANNED OUTAGE	10/16/2018 11:01:51	440.00	6
OH Other	PLANNED OUTAGE	10/17/2018 15:18:32	947.73	16
URD Outage	PLANNED OUTAGE	10/17/2018 15:23:38	44.83	1
OH Other	PLANNED OUTAGE	10/17/2018 15:41:48	173.75	5
URD Outage	PLANNED OUTAGE	10/17/2018 17:53:55	1,678.08	5
URD Outage	PLANNED OUTAGE	10/18/2018 07:53:56	548.80	1
OH Other	PLANNED OUTAGE	10/18/2018 10:39:10	168.80	3
OH Other	PLANNED OUTAGE	10/19/2018 11:37:08	801.72	11
URD Outage	PLANNED OUTAGE	10/20/2018 07:25:19	1,089.92	1
OH Other	PLANNED OUTAGE	10/20/2018 10:14:21	335.18	7
OH Other	PLANNED OUTAGE	10/20/2018 14:46:44	1,261.83	565
OH Other	PLANNED OUTAGE	10/20/2018 14:52:59	3,004.52	13
Circuit Out	PLANNED OUTAGE	10/21/2018 02:44:40	8,396.08	1901
URD Outage	PLANNED OUTAGE	10/21/2018 06:16:18	573.15	1
Circuit Out	PLANNED OUTAGE	10/21/2018 07:11:47	6,247.80	1602
URD Outage	PLANNED OUTAGE	10/21/2018 07:36:53	207.90	1
URD Outage	PLANNED OUTAGE	10/22/2018 08:00:38	612.20	3
URD Outage	PLANNED OUTAGE	10/22/2018 09:10:55	560.40	8
OH Other	PLANNED OUTAGE	10/22/2018 10:45:21	90.37	1
Connections	PLANNED OUTAGE	10/22/2018 13:18:52	87.67	1
URD Outage	PLANNED OUTAGE	10/23/2018 08:33:54	107.73	1

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
UG Other	PLANNED OUTAGE	10/23/2018 09:17:19	20.82	1
OH Other	PLANNED OUTAGE	10/23/2018 13:13:18	1,227.80	6
OH Other	PLANNED OUTAGE	10/23/2018 14:30:42	1,021.07	8
URD Outage	PLANNED OUTAGE	10/23/2018 21:49:54	2,145.27	2
URD Outage	PLANNED OUTAGE	10/24/2018 09:05:03	92.32	1
URD Outage	PLANNED OUTAGE	10/24/2018 10:56:35	119.37	1
OH Other	PLANNED OUTAGE	10/24/2018 11:30:15	3,268.30	49
OH Other	PLANNED OUTAGE	10/24/2018 13:46:12	76.53	4
Circuit Out	PLANNED OUTAGE	10/24/2018 16:00:29	1,935.73	476
Circuit Out	PLANNED OUTAGE	10/24/2018 16:00:43	996.30	246
OH Other	PLANNED OUTAGE	10/25/2018 08:56:03	491.43	1
URD Outage	PLANNED OUTAGE	10/25/2018 14:15:41	1,144.43	26
PLF	PLANNED OUTAGE	10/26/2018 09:19:31	2,239.50	15
OH Other	PLANNED OUTAGE	10/26/2018 10:47:11	4,333.47	28
OH Other	PLANNED OUTAGE	10/26/2018 19:58:17	1,201.67	28
URD Outage	PLANNED OUTAGE	10/27/2018 04:32:20	773.45	1
OH Other	PLANNED OUTAGE	10/27/2018 12:59:44	128.95	3
PLF	PLANNED OUTAGE	10/28/2018 07:32:57	7,922.13	28
Circuit Out	PLANNED OUTAGE	10/28/2018 07:50:36	13,034.00	2280
Circuit Out	PLANNED OUTAGE	10/28/2018 10:39:51	12,259.87	1144
OH Other	PLANNED OUTAGE	10/28/2018 10:49:37	1,790.33	20
OH Other	PLANNED OUTAGE	10/29/2018 11:15:23	366.60	1
URD Outage	PLANNED OUTAGE	10/29/2018 17:02:53	604.97	2
URD Outage	PLANNED OUTAGE	10/30/2018 08:25:54	1,575.40	12
OH Other	PLANNED OUTAGE	10/30/2018 08:29:08	637.37	1
OH Other	PLANNED OUTAGE	10/30/2018 08:36:36	15,046.70	34
URD Outage	PLANNED OUTAGE	10/30/2018 08:59:50	80.10	1
OH Other	PLANNED OUTAGE	10/30/2018 09:22:54	1,098.20	4
URD Outage	PLANNED OUTAGE	10/30/2018 10:23:35	1,928.90	6
OH Other	PLANNED OUTAGE	10/30/2018 11:05:39	967.03	2
OH Other	PLANNED OUTAGE	10/30/2018 12:27:12	1,151.73	4
OH Other	PLANNED OUTAGE	10/30/2018 12:43:51	249.50	6
OH Other	PLANNED OUTAGE	10/30/2018 13:44:24	1,272.20	6
OH Other	PLANNED OUTAGE	10/30/2018 18:48:02	2,038.40	7
URD Outage	PLANNED OUTAGE	10/31/2018 06:10:13	407.15	1
OH Other	PLANNED OUTAGE	10/31/2018 08:27:35	926.85	9
OH Other	PLANNED OUTAGE	10/31/2018 08:29:10	2,092.00	5
OH Other	PLANNED OUTAGE	10/31/2018 08:47:36	361.80	1
OH Other	PLANNED OUTAGE	10/31/2018 08:48:48	1,468.13	4
OH Other	PLANNED OUTAGE	10/31/2018 09:19:51	1,128.17	10
URD Outage	PLANNED OUTAGE	10/31/2018 09:56:54	723.15	9
OH Other	PLANNED OUTAGE	10/31/2018 10:09:45	727.35	9
URD Outage	PLANNED OUTAGE	10/31/2018 10:17:03	124.62	1
OH Other	PLANNED OUTAGE	10/31/2018 13:13:34	63.98	1
OH Other	PLANNED OUTAGE	10/31/2018 14:55:44	4,944.80	84
OH Other	PLANNED OUTAGE	10/31/2018 16:06:36	17,727.25	69
OH Other	PLANNED OUTAGE	10/31/2018 16:19:18	428.90	6
OH Other	PLANNED OUTAGE	11/01/2018 07:37:05	424.45	3
OH Other	PLANNED OUTAGE	11/01/2018 09:02:06	1,465.80	4
OH Other	PLANNED OUTAGE	11/01/2018 10:12:49	2,794.65	9
OH Other	PLANNED OUTAGE	11/01/2018 10:19:53	847.70	6
OH Other	PLANNED OUTAGE	11/01/2018 10:26:03	342.25	1

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	11/02/2018 07:35:27	56.02	1
OH Other	PLANNED OUTAGE	11/02/2018 09:15:24	578.45	3
OH Other	PLANNED OUTAGE	11/02/2018 09:15:41	1,350.30	7
OH Other	PLANNED OUTAGE	11/02/2018 12:57:30	93.47	1
OH Other	PLANNED OUTAGE	11/02/2018 19:12:14	28,095.27	73
URD Outage	PLANNED OUTAGE	11/02/2018 21:09:48	8,197.33	1537
Step Restoration	PLANNED OUTAGE	11/03/2018 00:24:50	94,674.47	779
Step Restoration	PLANNED OUTAGE	11/03/2018 00:24:50	139,039.60	1173
OH Other	PLANNED OUTAGE	11/03/2018 02:21:31	537.00	4
OH Other	PLANNED OUTAGE	11/03/2018 07:11:44	68,071.23	818
OH Other	PLANNED OUTAGE	11/03/2018 07:19:17	583.05	9
Circuit Out	PLANNED OUTAGE	11/03/2018 17:05:29	4,947.95	1407
Circuit Out	PLANNED OUTAGE	11/04/2018 06:22:22	36,157.20	3117
OH Other	PLANNED OUTAGE	11/04/2018 12:36:40	6,733.87	16
OH Other	PLANNED OUTAGE	11/04/2018 15:08:25	1,090.07	4
Circuit Out	PLANNED OUTAGE	11/04/2018 18:36:26	11,930.03	1138
OH Other	PLANNED OUTAGE	11/05/2018 08:57:41	4,515.12	13
OH Other	PLANNED OUTAGE	11/05/2018 08:57:41	20,700.12	13
OH Other	PLANNED OUTAGE	11/05/2018 09:08:18	1,767.33	4
OH Other	PLANNED OUTAGE	11/05/2018 11:08:09	3,041.55	9
Connections	PLANNED OUTAGE	11/05/2018 11:24:05	123.65	1
OH Other	PLANNED OUTAGE	11/05/2018 11:31:10	3,810.20	12
OH Other	PLANNED OUTAGE	11/05/2018 11:38:16	238.22	1
OH Other	PLANNED OUTAGE	11/05/2018 11:41:04	370.57	2
URD Outage	PLANNED OUTAGE	11/05/2018 13:30:13	456.87	4
OH Other	PLANNED OUTAGE	11/05/2018 13:49:56	391.87	8
URD Outage	PLANNED OUTAGE	11/05/2018 20:13:38	2,756.27	16
OH Other	PLANNED OUTAGE	11/05/2018 20:33:47	227.37	19
OH Other	PLANNED OUTAGE	11/06/2018 08:28:00	383.75	3
OH Other	PLANNED OUTAGE	11/06/2018 08:28:00	3,131.40	9
OH Other	PLANNED OUTAGE	11/06/2018 09:18:51	1,026.27	8
OH Other	PLANNED OUTAGE	11/06/2018 09:19:03	1,033.73	8
OH Other	PLANNED OUTAGE	11/06/2018 09:58:09	910.05	3
OH Other	PLANNED OUTAGE	11/06/2018 09:58:36	2,730.00	9
UG Other	PLANNED OUTAGE	11/06/2018 10:05:24	3,162.32	11
OH Other	PLANNED OUTAGE	11/06/2018 10:20:16	156.33	1
OH Other	PLANNED OUTAGE	11/06/2018 11:52:55	593.47	8
URD Outage	PLANNED OUTAGE	11/06/2018 16:51:16	4,053.90	9
OH Other	PLANNED OUTAGE	11/07/2018 07:54:06	85.23	2
OH Other	PLANNED OUTAGE	11/07/2018 08:51:27	3,096.27	8
OH Other	PLANNED OUTAGE	11/07/2018 09:24:30	2,590.40	8
OH Other	PLANNED OUTAGE	11/07/2018 09:34:32	91.07	1
URD Outage	PLANNED OUTAGE	11/07/2018 10:10:00	810.13	7
OH Other	PLANNED OUTAGE	11/07/2018 10:15:02	404.90	3
OH Other	PLANNED OUTAGE	11/07/2018 10:35:23	2,677.50	10
OH Other	PLANNED OUTAGE	11/07/2018 11:07:17	295.80	4
URD Outage	PLANNED OUTAGE	11/07/2018 11:09:07	1,752.90	9
OH Other	PLANNED OUTAGE	11/07/2018 11:09:19	389.43	2
OH Other	PLANNED OUTAGE	11/07/2018 11:12:24	499.60	8
OH Other	PLANNED OUTAGE	11/07/2018 11:14:02	413.70	9
OH Other	PLANNED OUTAGE	11/07/2018 13:15:28	160.50	3
OH Other	PLANNED OUTAGE	11/07/2018 13:52:08	1,080.13	8

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	11/07/2018 14:21:46	209.97	2
URD Outage	PLANNED OUTAGE	11/07/2018 17:05:15	97.12	1
OH Other	PLANNED OUTAGE	11/07/2018 19:29:41	11,756.67	25
OH Other	PLANNED OUTAGE	11/07/2018 21:29:01	0.98	1
OH Other	PLANNED OUTAGE	11/08/2018 08:06:17	2,773.73	8
OH Other	PLANNED OUTAGE	11/08/2018 08:48:30	710.05	3
OH Other	PLANNED OUTAGE	11/08/2018 08:48:48	236.65	1
OH Other	PLANNED OUTAGE	11/08/2018 09:07:07	3,174.33	10
OH Other	PLANNED OUTAGE	11/08/2018 09:16:24	1,172.80	16
OH Other	PLANNED OUTAGE	11/08/2018 09:25:29	538.87	2
OH Other	PLANNED OUTAGE	11/08/2018 09:26:06	805.90	3
OH Other	PLANNED OUTAGE	11/08/2018 09:26:38	802.65	3
OH Other	PLANNED OUTAGE	11/08/2018 09:38:18	593.40	2
OH Other	PLANNED OUTAGE	11/08/2018 09:47:33	1,738.00	4
OH Other	PLANNED OUTAGE	11/08/2018 09:58:04	198.23	2
OH Other	PLANNED OUTAGE	11/08/2018 10:56:41	2,561.65	7
OH Other	PLANNED OUTAGE	11/08/2018 11:14:22	747.08	11
URD Outage	PLANNED OUTAGE	11/08/2018 13:48:40	238.90	6
OH Other	PLANNED OUTAGE	11/08/2018 14:33:57	377.33	1
URD Outage	PLANNED OUTAGE	11/08/2018 19:17:06	1,697.07	4
OH Other	PLANNED OUTAGE	11/08/2018 21:45:52	3,612.48	13
OH Other	PLANNED OUTAGE	11/09/2018 08:21:40	2,326.87	11
URD Outage	PLANNED OUTAGE	11/09/2018 09:43:16	138.95	1
OH Other	PLANNED OUTAGE	11/09/2018 10:32:11	1,557.00	10
URD Outage	PLANNED OUTAGE	11/09/2018 10:41:34	107.33	10
OH Other	PLANNED OUTAGE	11/09/2018 10:52:05	1,514.33	11
OH Other	PLANNED OUTAGE	11/09/2018 11:24:34	735.47	7
OH Other	PLANNED OUTAGE	11/09/2018 11:52:25	2,365.87	8
URD Outage	PLANNED OUTAGE	11/09/2018 13:39:07	936.60	9
OH Other	PLANNED OUTAGE	11/09/2018 20:44:39	578.40	12
OH Other	PLANNED OUTAGE	11/09/2018 22:01:38	981.02	11
OH Other	PLANNED OUTAGE	11/10/2018 00:20:26	211.17	7
PLF	PLANNED OUTAGE	11/10/2018 09:00:25	195.40	1
OH Other	PLANNED OUTAGE	11/10/2018 16:01:38	855.13	4
OH Other	PLANNED OUTAGE	11/11/2018 07:46:15	1,239.00	90
TX Repaired (OH)	PLANNED OUTAGE	11/11/2018 08:39:24	824.35	3
Circuit Out	PLANNED OUTAGE	11/11/2018 10:17:14	3,032.00	480
OH Other	PLANNED OUTAGE	11/12/2018 08:17:27	407.97	2
OH Other	PLANNED OUTAGE	11/12/2018 08:17:34	612.10	3
OH Other	PLANNED OUTAGE	11/12/2018 08:40:19	2,765.47	8
OH Other	PLANNED OUTAGE	11/12/2018 10:09:19	1,603.42	5
UG Other	PLANNED OUTAGE	11/12/2018 10:31:00	72.95	1
OH Other	PLANNED OUTAGE	11/12/2018 10:52:51	550.53	2
OH Other	PLANNED OUTAGE	11/12/2018 11:23:05	377.90	3
OH Other	PLANNED OUTAGE	11/12/2018 12:10:36	975.80	7
URD Outage	PLANNED OUTAGE	11/12/2018 13:53:20	71.88	1
OH Other	PLANNED OUTAGE	11/12/2018 14:07:53	300.67	11
Circuit Out	PLANNED OUTAGE	11/13/2018 05:56:04	447,080.77	1454
OH Other	PLANNED OUTAGE	11/13/2018 07:41:52	8,193.00	20
OH Other	PLANNED OUTAGE	11/13/2018 07:50:42	956.87	4
OH Other	PLANNED OUTAGE	11/13/2018 07:50:57	721.70	3
OH Other	PLANNED OUTAGE	11/13/2018 08:58:55	3,095.87	8

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	11/13/2018 09:02:31	16,525.33	40
OH Other	PLANNED OUTAGE	11/13/2018 09:08:13	4,070.00	10
URD Outage	PLANNED OUTAGE	11/13/2018 10:08:48	597.60	8
OH Other	PLANNED OUTAGE	11/13/2018 10:11:02	909.00	3
OH Other	PLANNED OUTAGE	11/13/2018 12:10:41	182.75	1
OH Other	PLANNED OUTAGE	11/13/2018 13:09:02	996.40	8
OH Other	PLANNED OUTAGE	11/13/2018 13:26:08	904.60	6
URD Outage	PLANNED OUTAGE	11/13/2018 17:06:12	1,330.50	9
OH Other	PLANNED OUTAGE	11/13/2018 22:14:53	270.10	6
OH Other	PLANNED OUTAGE	11/14/2018 07:40:44	570.00	20
OCR, Sec.	PLANNED OUTAGE	11/14/2018 08:21:44	217.25	33
OH Other	PLANNED OUTAGE	11/14/2018 08:35:01	6,354.00	12
URD Outage	PLANNED OUTAGE	11/14/2018 09:20:33	292.87	1
URD Outage	PLANNED OUTAGE	11/14/2018 09:20:42	585.17	2
OH Other	PLANNED OUTAGE	11/14/2018 09:50:28	714.00	8
OH Other	PLANNED OUTAGE	11/14/2018 10:51:39	1,388.93	8
OH Other	PLANNED OUTAGE	11/14/2018 11:15:02	514.40	12
OH Other	PLANNED OUTAGE	11/14/2018 12:23:11	303.47	2
OH Other	PLANNED OUTAGE	11/14/2018 13:03:00	1,739.00	37
OH Other	PLANNED OUTAGE	11/14/2018 13:21:08	865.20	8
OH Other	PLANNED OUTAGE	11/14/2018 13:30:02	1,231.50	15
OH Other	PLANNED OUTAGE	11/14/2018 13:30:21	1,061.45	13
OH Other	PLANNED OUTAGE	11/14/2018 13:31:56	219.73	2
OH Other	PLANNED OUTAGE	11/14/2018 14:43:10	6,988.70	34
OH Other	PLANNED OUTAGE	11/14/2018 16:52:22	177.23	13
OH Other	PLANNED OUTAGE	11/14/2018 17:57:06	284.00	24
OH Other	PLANNED OUTAGE	11/14/2018 23:39:26	257.85	9
TX Repaired (OH)	PLANNED OUTAGE	11/15/2018 08:21:00	647.23	1
TX Repaired (OH)	PLANNED OUTAGE	11/15/2018 08:48:32	410.47	4
PLF	PLANNED OUTAGE	11/15/2018 09:04:09	382.30	3
TX Repaired (OH)	PLANNED OUTAGE	11/15/2018 09:12:08	348.10	2
TX Repaired (OH)	PLANNED OUTAGE	11/15/2018 09:30:41	2,886.68	7
TX Replaced (OH)	PLANNED OUTAGE	11/15/2018 09:33:30	1,613.20	3
PLF	PLANNED OUTAGE	11/15/2018 09:34:29	217.80	3
TX Repaired (OH)	PLANNED OUTAGE	11/15/2018 09:36:58	5,144.40	9
TX Repaired (OH)	PLANNED OUTAGE	11/15/2018 10:15:20	1,066.77	2
TX Replaced (OH)	PLANNED OUTAGE	11/15/2018 10:19:34	1,011.93	4
TX Repaired (OH)	PLANNED OUTAGE	11/15/2018 11:25:12	169.63	1
PLF	PLANNED OUTAGE	11/15/2018 12:07:46	144.67	10
TX Repaired (OH)	PLANNED OUTAGE	11/15/2018 12:38:33	899.07	8
TX Repaired (OH)	PLANNED OUTAGE	11/15/2018 12:38:45	677.20	6
TX Repaired (OH)	PLANNED OUTAGE	11/15/2018 12:39:43	338.55	3
OCR, Sec.	PLANNED OUTAGE	11/15/2018 22:48:52	5,118.90	906
URD Outage	PLANNED OUTAGE	11/16/2018 06:35:45	35.05	1
OH Other	PLANNED OUTAGE	11/16/2018 07:01:27	714.15	81
OH Other	PLANNED OUTAGE	11/16/2018 08:36:55	498.70	3
OH Other	PLANNED OUTAGE	11/16/2018 08:55:55	1,028.00	3
OH Other	PLANNED OUTAGE	11/16/2018 08:56:08	2,397.97	7
OH Other	PLANNED OUTAGE	11/16/2018 09:18:59	3,194.50	10
URD Outage	PLANNED OUTAGE	11/16/2018 09:33:46	528.80	6
OH Other	PLANNED OUTAGE	11/16/2018 11:12:15	989.92	5
Service - Crew	PLANNED OUTAGE	11/16/2018 18:25:08	950.98	1

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
URD Outage	PLANNED OUTAGE	11/16/2018 19:11:20	105.20	8
Circuit Out	PLANNED OUTAGE	11/16/2018 19:16:07	4,559.83	545
URD Outage	PLANNED OUTAGE	11/17/2018 08:48:39	3,536.48	67
OH Other	PLANNED OUTAGE	11/17/2018 09:55:35	112,025.33	368
OH Other	PLANNED OUTAGE	11/17/2018 11:55:56	1,688.17	7
URD Outage	PLANNED OUTAGE	11/18/2018 07:06:29	52.52	1
URD Outage	PLANNED OUTAGE	11/18/2018 08:30:04	234.42	1
OH Other	PLANNED OUTAGE	11/18/2018 20:22:13	875.00	10
URD Outage	PLANNED OUTAGE	11/19/2018 03:18:42	128.17	1
OH Other	PLANNED OUTAGE	11/19/2018 04:33:26	404.67	10
OH Other	PLANNED OUTAGE	11/19/2018 09:20:22	2,599.20	57
URD Outage	PLANNED OUTAGE	11/19/2018 09:28:12	1,051.60	11
URD Outage	PLANNED OUTAGE	11/19/2018 09:56:51	188.77	1
URD Outage	PLANNED OUTAGE	11/19/2018 10:02:26	92.10	18
OH Other	PLANNED OUTAGE	11/19/2018 10:17:59	3,119.92	5
OH Other	PLANNED OUTAGE	11/19/2018 10:34:52	590.27	2
OH Other	PLANNED OUTAGE	11/19/2018 11:09:48	3,457.35	9
OH Other	PLANNED OUTAGE	11/19/2018 11:16:00	1,360.93	4
OH Other	PLANNED OUTAGE	11/19/2018 11:28:19	838.02	11
OH Other	PLANNED OUTAGE	11/19/2018 16:13:18	389.33	1
Circuit Out	PLANNED OUTAGE	11/19/2018 17:42:23	4,861.60	1416
OH Other	PLANNED OUTAGE	11/20/2018 08:28:04	281.52	1
OH Other	PLANNED OUTAGE	11/20/2018 08:30:11	491.63	1
URD Outage	PLANNED OUTAGE	11/20/2018 09:04:26	371.62	1
OH Other	PLANNED OUTAGE	11/20/2018 09:36:25	639.90	3
OH Other	PLANNED OUTAGE	11/20/2018 09:36:43	213.13	1
OH Other	PLANNED OUTAGE	11/20/2018 13:42:20	1,123.47	22
OH Other	PLANNED OUTAGE	11/20/2018 14:11:04	339.77	2
URD Outage	PLANNED OUTAGE	11/21/2018 05:40:53	11,349.13	74
URD Outage	PLANNED OUTAGE	11/21/2018 07:07:46	1,170.83	2
Connections	PLANNED OUTAGE	11/21/2018 07:14:30	863.47	4
OH Other	PLANNED OUTAGE	11/21/2018 07:54:07	515.88	1
OH Other	PLANNED OUTAGE	11/21/2018 08:59:50	206.02	1
OH Other	PLANNED OUTAGE	11/21/2018 09:00:58	467.10	3
UG Other	PLANNED OUTAGE	11/21/2018 10:40:31	312.45	3
Circuit Out	PLANNED OUTAGE	11/22/2018 16:25:08	3,422.00	696
OH Other	PLANNED OUTAGE	11/23/2018 18:56:39	421.28	7
OH Other	PLANNED OUTAGE	11/23/2018 18:57:35	35.77	29
Step Restoration	PLANNED OUTAGE	11/23/2018 20:45:28	94,348.00	1545
Circuit Out	PLANNED OUTAGE	11/23/2018 20:45:29	33,225.50	154
URD Outage	PLANNED OUTAGE	11/24/2018 21:59:55	1,543.60	8
Circuit Out	PLANNED OUTAGE	11/24/2018 22:23:54	11,978.03	454
OH Other	PLANNED OUTAGE	11/25/2018 17:19:10	250.33	5
Step Restoration	PLANNED OUTAGE	11/26/2018 02:20:25	5,004.00	54
OH Other	PLANNED OUTAGE	11/26/2018 09:10:21	3,074.00	10
OH Other	PLANNED OUTAGE	11/26/2018 09:31:48	1,953.60	8
OH Other	PLANNED OUTAGE	11/26/2018 10:23:46	2,411.27	4
OH Other	PLANNED OUTAGE	11/26/2018 10:34:18	32.42	1
OH Other	PLANNED OUTAGE	11/26/2018 11:23:40	554.33	4
OH Other	PLANNED OUTAGE	11/26/2018 12:01:38	920.13	8
Service - Crew	PLANNED OUTAGE	11/26/2018 16:57:03	148.48	1
Circuit Out	PLANNED OUTAGE	11/26/2018 18:39:25	12,063.87	2092

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	11/26/2018 20:51:10	342.40	12
OH Other	PLANNED OUTAGE	11/26/2018 21:19:05	271.20	12
OH Other	PLANNED OUTAGE	11/26/2018 21:37:21	733.33	10
OH Other	PLANNED OUTAGE	11/26/2018 23:04:29	587.07	28
OH Other	PLANNED OUTAGE	11/27/2018 08:19:33	162.25	1
OH Other	PLANNED OUTAGE	11/27/2018 09:08:39	1,488.70	6
URD Outage	PLANNED OUTAGE	11/27/2018 09:27:50	974.38	17
OH Other	PLANNED OUTAGE	11/27/2018 09:31:45	2,408.83	10
OH Other	PLANNED OUTAGE	11/27/2018 09:51:40	612.15	7
OH Other	PLANNED OUTAGE	11/27/2018 10:56:11	476.00	7
OH Other	PLANNED OUTAGE	11/27/2018 11:35:09	5,214.80	12
URD Outage	PLANNED OUTAGE	11/27/2018 13:31:17	418.13	8
OH Other	PLANNED OUTAGE	11/27/2018 13:47:29	1,815.00	6
OH Other	PLANNED OUTAGE	11/27/2018 15:28:27	4,627.00	35
OH Other	PLANNED OUTAGE	11/27/2018 15:56:15	1,220.33	7
Circuit Out	PLANNED OUTAGE	11/27/2018 16:41:58	1,095.97	49
OH Other	PLANNED OUTAGE	11/28/2018 09:35:02	647.07	8
OH Other	PLANNED OUTAGE	11/28/2018 10:00:31	2,208.15	9
OH Other	PLANNED OUTAGE	11/28/2018 10:02:19	1,394.00	5
OH Other	PLANNED OUTAGE	11/28/2018 10:13:11	1,973.10	6
URD Outage	PLANNED OUTAGE	11/28/2018 10:47:33	874.53	4
UG Other	PLANNED OUTAGE	11/28/2018 11:35:46	93.53	1
OH Other	PLANNED OUTAGE	11/28/2018 12:31:35	103.05	1
OH Other	PLANNED OUTAGE	11/28/2018 13:44:40	821.33	5
OH Other	PLANNED OUTAGE	11/28/2018 13:45:53	162.97	1
OH Other	PLANNED OUTAGE	11/28/2018 15:31:49	486.90	9
OH Other	PLANNED OUTAGE	11/28/2018 15:34:33	869.67	4
URD Outage	PLANNED OUTAGE	11/28/2018 19:11:02	512.08	5
URD Outage	PLANNED OUTAGE	11/28/2018 21:39:51	67.13	1
OH Other	PLANNED OUTAGE	11/29/2018 09:08:14	226.67	1
OH Other	PLANNED OUTAGE	11/29/2018 09:30:48	1,034.73	4
OH Other	PLANNED OUTAGE	11/29/2018 09:32:41	786.25	5
OH Other	PLANNED OUTAGE	11/29/2018 09:32:49	2,672.68	17
URD Outage	PLANNED OUTAGE	11/29/2018 09:45:48	295.32	1
OH Other	PLANNED OUTAGE	11/29/2018 09:47:08	1,945.17	10
OH Other	PLANNED OUTAGE	11/29/2018 11:44:36	1,448.85	13
OH Other	PLANNED OUTAGE	11/29/2018 12:01:54	207.87	4
OH Other	PLANNED OUTAGE	11/29/2018 12:53:06	1,239.82	7
OH Other	PLANNED OUTAGE	11/29/2018 12:59:29	1,668.45	7
OH Other	PLANNED OUTAGE	11/29/2018 16:56:08	164.95	1
OH Other	PLANNED OUTAGE	11/29/2018 21:30:42	20,106.40	48
OH Other	PLANNED OUTAGE	11/30/2018 08:14:30	71.02	1
URD Outage	PLANNED OUTAGE	11/30/2018 09:55:52	231.58	5
OH Other	PLANNED OUTAGE	11/30/2018 11:25:46	185.20	2
OH Other	PLANNED OUTAGE	11/30/2018 12:58:20	867.00	6
OH Other	PLANNED OUTAGE	11/30/2018 13:08:28	16,621.60	79
URD Outage	PLANNED OUTAGE	11/30/2018 13:35:18	1,313.55	189
OH Other	PLANNED OUTAGE	11/30/2018 13:48:17	2,065.35	9
OH Other	PLANNED OUTAGE	11/30/2018 17:15:51	74.30	3
OH Other	PLANNED OUTAGE	12/02/2018 08:07:00	142.63	22
URD Outage	PLANNED OUTAGE	12/02/2018 10:32:08	94.87	1
OH Other	PLANNED OUTAGE	12/02/2018 16:14:51	120.95	1

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
Circuit Out	PLANNED OUTAGE	12/02/2018 18:40:54	33,421.33	2416
URD Outage	PLANNED OUTAGE	12/02/2018 19:32:57	6,663.58	65
OH Other	PLANNED OUTAGE	12/02/2018 20:53:45	354.60	12
OH Other	PLANNED OUTAGE	12/03/2018 02:09:31	298.30	3
OH Other	PLANNED OUTAGE	12/03/2018 08:18:56	164.60	4
OH Other	PLANNED OUTAGE	12/03/2018 08:43:16	131.07	4
OH Other	PLANNED OUTAGE	12/03/2018 10:13:18	2,449.60	4
OH Other	PLANNED OUTAGE	12/03/2018 10:19:42	361.03	2
OH Other	PLANNED OUTAGE	12/03/2018 10:42:43	286.85	1
URD Outage	PLANNED OUTAGE	12/03/2018 13:22:11	3,031.47	8
OH Other	PLANNED OUTAGE	12/03/2018 13:33:46	1,237.45	3
Circuit Out	PLANNED OUTAGE	12/03/2018 19:13:17	76.73	2
Step Restoration	PLANNED OUTAGE	12/03/2018 19:13:17	22,372.65	599
Circuit Out	PLANNED OUTAGE	12/03/2018 19:15:35	4,605.30	602
URD Outage	PLANNED OUTAGE	12/03/2018 19:34:09	57,620.93	187
OH Other	PLANNED OUTAGE	12/04/2018 09:18:54	6,356.77	19
OH Other	PLANNED OUTAGE	12/04/2018 09:24:12	157.62	1
OH Other	PLANNED OUTAGE	12/04/2018 09:29:07	9,462.25	21
URD Outage	PLANNED OUTAGE	12/04/2018 10:43:06	1,137.40	3
OH Other	PLANNED OUTAGE	12/04/2018 11:58:38	2,581.60	6
OH Other	PLANNED OUTAGE	12/04/2018 12:16:57	676.60	34
OH Other	PLANNED OUTAGE	12/04/2018 13:09:58	103.32	1
OH Other	PLANNED OUTAGE	12/04/2018 13:16:51	969.28	17
OH Other	PLANNED OUTAGE	12/04/2018 16:56:48	1,448.33	11
OH Other	PLANNED OUTAGE	12/04/2018 20:35:20	284.67	4
URD Outage	PLANNED OUTAGE	12/05/2018 02:47:45	878.20	12
OH Other	PLANNED OUTAGE	12/05/2018 03:44:38	706.35	51
OH Other	PLANNED OUTAGE	12/05/2018 05:48:05	4,982.68	13
OH Other	PLANNED OUTAGE	12/05/2018 07:58:48	3,831.30	27
OH Other	PLANNED OUTAGE	12/05/2018 08:00:00	11,465.40	18
OH Other	PLANNED OUTAGE	12/05/2018 08:25:21	2,411.73	17
OH Other	PLANNED OUTAGE	12/05/2018 08:27:12	1,122.00	8
URD Outage	PLANNED OUTAGE	12/05/2018 09:05:16	140.85	9
OH Other	PLANNED OUTAGE	12/05/2018 09:58:44	14.68	1
OH Other	PLANNED OUTAGE	12/05/2018 11:40:20	1,028.20	3
URD Outage	PLANNED OUTAGE	12/05/2018 11:45:49	1,607.40	9
OH Other	PLANNED OUTAGE	12/05/2018 13:02:05	328.20	2
TX Repaired (OH)	PLANNED OUTAGE	12/05/2018 13:32:06	5,622.67	20
OH Other	PLANNED OUTAGE	12/05/2018 19:34:09	198.67	1
OH Other	PLANNED OUTAGE	12/05/2018 21:25:53	611.85	9
OH Other	PLANNED OUTAGE	12/06/2018 05:47:49	1,829.00	12
OH Other	PLANNED OUTAGE	12/06/2018 07:59:36	4,171.57	341
Service - Crew	PLANNED OUTAGE	12/06/2018 09:19:45	141.47	4
OH Other	PLANNED OUTAGE	12/06/2018 09:23:35	397.50	10
OH Other	PLANNED OUTAGE	12/06/2018 09:33:58	2,244.17	10
URD Outage	PLANNED OUTAGE	12/06/2018 10:02:20	225.90	3
OH Other	PLANNED OUTAGE	12/06/2018 10:23:04	156.98	1
Step Restoration	PLANNED OUTAGE	12/06/2018 10:45:33	768.53	8
OH Other	PLANNED OUTAGE	12/06/2018 10:59:22	385.70	6
OH Other	PLANNED OUTAGE	12/06/2018 11:24:27	41.85	1
OH Other	PLANNED OUTAGE	12/06/2018 11:37:13	2,503.25	95
OH Other	PLANNED OUTAGE	12/06/2018 11:39:05	836.70	3

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
Step Restoration	PLANNED OUTAGE	12/06/2018 13:55:18	507.72	1
OH Other	PLANNED OUTAGE	12/06/2018 15:29:50	345.58	5
OH Other	PLANNED OUTAGE	12/06/2018 16:42:38	516.48	7
URD Outage	PLANNED OUTAGE	12/06/2018 21:46:36	475.80	6
OCR, Sec.	PLANNED OUTAGE	12/07/2018 04:56:19	19,036.33	1196
OH Other	PLANNED OUTAGE	12/07/2018 08:00:46	1,975.40	6
OH Other	PLANNED OUTAGE	12/07/2018 08:33:30	3,923.67	10
OH Other	PLANNED OUTAGE	12/07/2018 08:54:12	3,889.50	10
OH Other	PLANNED OUTAGE	12/07/2018 09:05:43	1,420.20	12
OH Other	PLANNED OUTAGE	12/07/2018 10:25:17	38.12	1
OH Other	PLANNED OUTAGE	12/07/2018 12:15:58	1,879.83	10
OH Other	PLANNED OUTAGE	12/07/2018 12:24:50	522.05	3
OH Other	PLANNED OUTAGE	12/07/2018 13:54:48	34.13	4
OH Other	PLANNED OUTAGE	12/07/2018 14:21:46	175.70	3
OH Other	PLANNED OUTAGE	12/07/2018 18:24:47	104.15	3
Step Restoration	PLANNED OUTAGE	12/07/2018 22:46:36	253,392.87	251
URD Outage	PLANNED OUTAGE	12/08/2018 01:49:20	272.17	10
OH Other	PLANNED OUTAGE	12/08/2018 08:03:37	713.30	7
URD Outage	PLANNED OUTAGE	12/08/2018 12:05:49	591.77	2
OH Other	PLANNED OUTAGE	12/08/2018 18:14:15	118.83	2
OCR, Sec.	PLANNED OUTAGE	12/09/2018 01:31:10	26,683.78	37
URD Outage	PLANNED OUTAGE	12/09/2018 08:29:41	455.72	1
URD Outage	PLANNED OUTAGE	12/09/2018 08:30:24	456.63	1
OH Other	PLANNED OUTAGE	12/09/2018 10:49:15	5,486.25	475
Circuit Out	PLANNED OUTAGE	12/09/2018 11:47:21	2,819.37	602
OH Other	PLANNED OUTAGE	12/09/2018 16:21:57	130.83	1
Circuit Out	PLANNED OUTAGE	12/09/2018 16:55:46	7,977.93	946
OH Other	PLANNED OUTAGE	12/09/2018 18:59:40	307.30	6
OH Other	PLANNED OUTAGE	12/10/2018 09:38:07	2,655.60	12
OH Other	PLANNED OUTAGE	12/10/2018 09:45:48	537.00	4
OH Other	PLANNED OUTAGE	12/10/2018 10:00:24	272.07	1
OH Other	PLANNED OUTAGE	12/10/2018 10:08:20	2,203.25	7
URD Outage	PLANNED OUTAGE	12/10/2018 10:29:47	51,326.80	552
URD Outage	PLANNED OUTAGE	12/10/2018 10:36:43	511.80	4
URD Outage	PLANNED OUTAGE	12/10/2018 10:56:39	28,720.93	34
URD Outage	PLANNED OUTAGE	12/10/2018 10:56:39	6,590.27	8
Circuit Out	PLANNED OUTAGE	12/10/2018 11:04:11	3,722.37	602
OH Other	PLANNED OUTAGE	12/10/2018 11:40:09	836.95	3
OH Other	PLANNED OUTAGE	12/10/2018 11:58:22	34.05	1
OH Other	PLANNED OUTAGE	12/10/2018 12:16:53	1,818.70	6
OH Other	PLANNED OUTAGE	12/10/2018 13:20:01	1,255.45	7
OH Other	PLANNED OUTAGE	12/10/2018 15:49:11	9,597.67	20
OH Other	PLANNED OUTAGE	12/10/2018 18:39:46	2,488.85	13
OH Other	PLANNED OUTAGE	12/11/2018 08:21:47	152.38	1
OH Other	PLANNED OUTAGE	12/11/2018 08:38:14	365.35	3
OH Other	PLANNED OUTAGE	12/11/2018 09:18:56	192.00	1
OH Other	PLANNED OUTAGE	12/11/2018 10:03:22	2,499.23	7
OH Other	PLANNED OUTAGE	12/11/2018 10:37:38	2,209.95	9
OH Other	PLANNED OUTAGE	12/11/2018 13:33:18	909.25	5
OH Other	PLANNED OUTAGE	12/11/2018 13:46:13	307.53	4
OH Other	PLANNED OUTAGE	12/11/2018 14:06:32	27.57	2
OH Other	PLANNED OUTAGE	12/11/2018 15:26:42	1,609.00	15

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	12/11/2018 18:02:39	749.30	6
OH Other	PLANNED OUTAGE	12/12/2018 07:46:24	581.30	1
OH Other	PLANNED OUTAGE	12/12/2018 07:56:38	910.37	2
OH Other	PLANNED OUTAGE	12/12/2018 08:07:54	520.63	1
OH Other	PLANNED OUTAGE	12/12/2018 08:17:57	56.12	1
OH Other	PLANNED OUTAGE	12/12/2018 08:21:36	312.88	1
OH Other	PLANNED OUTAGE	12/12/2018 08:26:21	988.57	47
UG Other	PLANNED OUTAGE	12/12/2018 09:16:25	102.15	1
OH Other	PLANNED OUTAGE	12/12/2018 11:29:34	1,741.07	8
Circuit Out	PLANNED OUTAGE	12/12/2018 14:01:22	2,203.33	661
OH Other	PLANNED OUTAGE	12/12/2018 17:00:36	132.20	1
OH Other	PLANNED OUTAGE	12/12/2018 22:39:11	1,023.00	12
OH Other	PLANNED OUTAGE	12/13/2018 08:27:00	21.80	1
OH Other	PLANNED OUTAGE	12/13/2018 08:28:31	1,281.25	3
OH Other	PLANNED OUTAGE	12/13/2018 09:05:27	2,253.87	8
OH Other	PLANNED OUTAGE	12/13/2018 09:09:56	1,714.00	10
URD Outage	PLANNED OUTAGE	12/13/2018 09:12:31	455.82	7
URD Outage	PLANNED OUTAGE	12/13/2018 09:37:48	181.92	1
OH Other	PLANNED OUTAGE	12/13/2018 09:45:45	206.08	5
OH Other	PLANNED OUTAGE	12/13/2018 10:41:41	3,552.08	11
OH Other	PLANNED OUTAGE	12/13/2018 10:41:50	2,260.18	7
OH Other	PLANNED OUTAGE	12/13/2018 13:21:18	4,294.55	13
OH Other	PLANNED OUTAGE	12/14/2018 08:43:41	199.00	6
Circuit Out	PLANNED OUTAGE	12/15/2018 03:04:30	6,403.00	674
UG Other	PLANNED OUTAGE	12/15/2018 08:18:33	66.93	1
URD Outage	PLANNED OUTAGE	12/15/2018 21:46:01	153.18	1
Circuit Out	PLANNED OUTAGE	12/16/2018 07:54:59	13,029.60	1424
OH Other	PLANNED OUTAGE	12/16/2018 22:31:28	2,791.00	10
OH Other	PLANNED OUTAGE	12/16/2018 22:33:15	505.93	2
OH Other	PLANNED OUTAGE	12/16/2018 22:34:20	252.18	1
OH Other	PLANNED OUTAGE	12/16/2018 22:41:02	245.72	1
OH Other	PLANNED OUTAGE	12/17/2018 09:02:37	504.67	2
OH Other	PLANNED OUTAGE	12/17/2018 09:43:58	90.50	1
OH Other	PLANNED OUTAGE	12/17/2018 09:54:15	1,455.58	5
OH Other	PLANNED OUTAGE	12/17/2018 11:43:16	2,523.40	11
OH Other	PLANNED OUTAGE	12/17/2018 11:46:02	2,725.20	12
OH Other	PLANNED OUTAGE	12/17/2018 11:50:48	347.70	6
OH Other	PLANNED OUTAGE	12/17/2018 13:27:35	793.73	4
OH Other	PLANNED OUTAGE	12/17/2018 15:11:28	1,779.75	9
OH Other	PLANNED OUTAGE	12/17/2018 20:56:59	2,286.67	10
OH Other	PLANNED OUTAGE	12/17/2018 22:44:39	219.93	1
OH Other	PLANNED OUTAGE	12/17/2018 22:45:04	1,129.80	6
OH Other	PLANNED OUTAGE	12/17/2018 22:46:47	906.67	5
OH Other	PLANNED OUTAGE	12/17/2018 22:47:51	722.47	4
OH Other	PLANNED OUTAGE	12/18/2018 01:49:06	28.97	1
OH Other	PLANNED OUTAGE	12/18/2018 02:11:19	1,120.25	5
OH Other	PLANNED OUTAGE	12/18/2018 02:11:53	1,341.60	6
OH Other	PLANNED OUTAGE	12/18/2018 08:04:06	1,114.00	2
OH Other	PLANNED OUTAGE	12/18/2018 08:35:24	13,150.42	25
OH Other	PLANNED OUTAGE	12/18/2018 08:39:24	1,173.30	9
OH Other	PLANNED OUTAGE	12/18/2018 09:17:08	832.25	3
URD Outage	PLANNED OUTAGE	12/18/2018 09:53:57	683.50	10

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
OH Other	PLANNED OUTAGE	12/18/2018 10:48:14	976.27	8
OH Other	PLANNED OUTAGE	12/18/2018 10:51:35	830.80	4
OH Other	PLANNED OUTAGE	12/18/2018 11:26:19	184.57	1
OH Other	PLANNED OUTAGE	12/18/2018 13:58:31	1,300.20	11
UG Other	PLANNED OUTAGE	12/18/2018 17:21:48	3,337.37	14
OH Other	PLANNED OUTAGE	12/18/2018 23:07:34	81.38	1
URD Outage	PLANNED OUTAGE	12/18/2018 23:15:56	139.87	1
OH Other	PLANNED OUTAGE	12/19/2018 01:33:31	307.05	3
OH Other	PLANNED OUTAGE	12/19/2018 03:23:56	138.00	1
OH Other	PLANNED OUTAGE	12/19/2018 05:11:27	83.37	2
OH Other	PLANNED OUTAGE	12/19/2018 08:24:35	3,828.40	8
OH Other	PLANNED OUTAGE	12/19/2018 08:29:58	5,651.65	17
UG Other	PLANNED OUTAGE	12/19/2018 08:31:14	146.82	1
PLF	PLANNED OUTAGE	12/19/2018 09:14:32	173.77	1
OH Other	PLANNED OUTAGE	12/19/2018 09:16:10	2,571.92	7
OH Other	PLANNED OUTAGE	12/19/2018 09:52:45	1,079.73	4
UG Other	PLANNED OUTAGE	12/19/2018 10:01:52	173.90	3
OH Other	PLANNED OUTAGE	12/19/2018 11:26:30	1,029.90	6
Circuit Out	PLANNED OUTAGE	12/19/2018 15:38:04	39,057.07	1592
Circuit Out	PLANNED OUTAGE	12/19/2018 16:02:07	19,247.98	1567
Service - Non Crew	PLANNED OUTAGE	12/20/2018 07:53:47	86.72	1
PLF	PLANNED OUTAGE	12/20/2018 09:14:30	8,021.05	59
Service - Non Crew	PLANNED OUTAGE	12/20/2018 12:29:33	200.88	1
TX Repaired (PM)	PLANNED OUTAGE	12/20/2018 12:43:50	1,847.18	7
TX Repaired (OH)	PLANNED OUTAGE	12/20/2018 13:50:45	55.38	1
OH Other	PLANNED OUTAGE	12/20/2018 17:35:26	223.30	29
OCR, Sec.	PLANNED OUTAGE	12/21/2018 02:11:06	45,882.47	407
OCR, Sec.	PLANNED OUTAGE	12/21/2018 02:11:06	19,119.67	205
OH Other	PLANNED OUTAGE	12/21/2018 04:26:03	12,098.33	17
PLF	PLANNED OUTAGE	12/21/2018 05:28:01	3,747.90	117
OH Other	PLANNED OUTAGE	12/21/2018 08:46:10	3,048.85	3
OH Other	PLANNED OUTAGE	12/21/2018 12:27:01	485.23	1
PLF	PLANNED OUTAGE	12/21/2018 13:10:15	109,430.40	144
OCR, Sec.	PLANNED OUTAGE	12/21/2018 13:19:15	125,276.40	1656
OH Other	PLANNED OUTAGE	12/21/2018 13:43:41	10,816.25	1527
OH Other	PLANNED OUTAGE	12/21/2018 14:36:37	2,270.67	1048
Circuit Out	PLANNED OUTAGE	12/21/2018 15:11:46	54,641.67	1660
Circuit Out	PLANNED OUTAGE	12/21/2018 16:24:30	83,712.00	1308
PLF	PLANNED OUTAGE	12/21/2018 16:34:26	12,906.85	31
OH Other	PLANNED OUTAGE	12/21/2018 17:22:55	82,731.00	165
PLF	PLANNED OUTAGE	12/21/2018 17:31:34	5,332.82	151
OCR, Sec.	PLANNED OUTAGE	12/21/2018 21:22:05	149.92	35
OH Other	PLANNED OUTAGE	12/21/2018 23:00:00	2,329.80	44
OH Other	PLANNED OUTAGE	12/22/2018 03:31:52	431.73	8
URD Outage	PLANNED OUTAGE	12/22/2018 05:42:46	8,211.20	128
OH Other	PLANNED OUTAGE	12/22/2018 18:13:21	60.12	1
OH Other	PLANNED OUTAGE	12/22/2018 22:36:54	140.70	6
URD Outage	PLANNED OUTAGE	12/23/2018 06:34:50	151.15	1
OH Other	PLANNED OUTAGE	12/24/2018 19:27:28	12,341.00	164
OH Other	PLANNED OUTAGE	12/25/2018 09:15:52	111.33	5
PLF	PLANNED OUTAGE	12/25/2018 15:18:23	399.82	7
PLF	PLANNED OUTAGE	12/25/2018 15:25:11	475.20	27

2018 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
URD Outage	PLANNED OUTAGE	12/26/2018 08:48:27	224.38	1
URD Outage	PLANNED OUTAGE	12/26/2018 09:07:07	71.17	1
URD Outage	PLANNED OUTAGE	12/26/2018 09:09:49	351.02	1
TX Repaired (OH)	PLANNED OUTAGE	12/26/2018 09:54:37	2,076.32	7
URD Outage	PLANNED OUTAGE	12/26/2018 11:28:27	32.30	1
OH Other	PLANNED OUTAGE	12/26/2018 11:56:42	413.17	5
PLF	PLANNED OUTAGE	12/26/2018 13:59:29	49.53	1
URD Outage	PLANNED OUTAGE	12/26/2018 21:47:39	318.50	1
OH Other	PLANNED OUTAGE	12/27/2018 08:04:24	999.87	2
OH Other	PLANNED OUTAGE	12/27/2018 08:39:42	431.50	3
URD Outage	PLANNED OUTAGE	12/27/2018 09:06:13	353.33	5
URD Outage	PLANNED OUTAGE	12/27/2018 09:09:54	458.28	1
OH Other	PLANNED OUTAGE	12/27/2018 09:23:50	1,018.80	3
URD Outage	PLANNED OUTAGE	12/27/2018 09:28:25	1,800.90	27
OH Other	PLANNED OUTAGE	12/27/2018 09:28:41	1,003.60	4
OH Other	PLANNED OUTAGE	12/27/2018 09:41:36	1,172.58	5
OH Other	PLANNED OUTAGE	12/27/2018 10:47:14	1,749.37	11
OH Other	PLANNED OUTAGE	12/27/2018 10:59:14	486.50	7
OH Other	PLANNED OUTAGE	12/27/2018 11:16:47	233.28	1
OH Other	PLANNED OUTAGE	12/27/2018 11:16:55	233.33	1
OH Other	PLANNED OUTAGE	12/27/2018 21:22:23	45.70	6
URD Outage	PLANNED OUTAGE	12/28/2018 08:09:35	135.00	1
OH Other	PLANNED OUTAGE	12/28/2018 08:35:46	3,139.40	6
OH Other	PLANNED OUTAGE	12/28/2018 08:35:52	557.60	4
OH Other	PLANNED OUTAGE	12/28/2018 09:16:38	963.90	6
OH Other	PLANNED OUTAGE	12/28/2018 10:42:39	632.35	3
OH Other	PLANNED OUTAGE	12/28/2018 10:42:45	1,476.30	7
OH Other	PLANNED OUTAGE	12/28/2018 10:52:58	216.65	7
OH Other	PLANNED OUTAGE	12/29/2018 09:29:27	692.00	3
OH Other	PLANNED OUTAGE	12/29/2018 09:30:00	145.50	5
OH Other	PLANNED OUTAGE	12/30/2018 16:04:55	345.25	3
OH Other	PLANNED OUTAGE	12/31/2018 08:48:19	883.30	6
URD Outage	PLANNED OUTAGE	12/31/2018 09:00:34	485.65	11
URD Outage	PLANNED OUTAGE	12/31/2018 09:51:02	88.62	1

2018 Adjustments: Other Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
Substation	FPSC Commission Rule 25-6.0455	02/01/2018 08:58:29	61,779.30	873
Step Restoration	FPSC Commission Rule 25-6.0455	02/01/2018 08:58:29	109,257.58	1165
Substation	FPSC Commission Rule 25-6.0455	02/13/2018 19:23:22	250.87	1
Substation	FPSC Commission Rule 25-6.0455	02/19/2018 19:16:51	297.35	3
Substation	FPSC Commission Rule 25-6.0455	02/26/2018 07:10:13	66,903.47	704
Step Restoration	FPSC Commission Rule 25-6.0455	02/26/2018 07:10:13	46,864.92	761
Substation	FPSC Commission Rule 25-6.0455	03/04/2018 07:06:06	46,544.20	818
Substation	FPSC Commission Rule 25-6.0455	03/04/2018 07:06:06	73,921.10	1139
Substation	FPSC Commission Rule 25-6.0455	03/04/2018 07:06:06	66,868.40	1396
Step Restoration	FPSC Commission Rule 25-6.0455	03/04/2018 07:06:06	39,965.70	303
Step Restoration	FPSC Commission Rule 25-6.0455	03/04/2018 07:06:06	2,481.15	17
Substation	FPSC Commission Rule 25-6.0455	03/20/2018 15:43:22	1,437.92	1015
Substation	FPSC Commission Rule 25-6.0455	04/10/2018 15:23:37	105,277.33	2035
Substation	FPSC Commission Rule 25-6.0455	04/10/2018 15:23:37	69,802.27	1208
Substation	FPSC Commission Rule 25-6.0455	04/10/2018 15:23:37	46,301.05	701
Substation	FPSC Commission Rule 25-6.0455	04/10/2018 15:23:47	96,534.07	1604
Substation	FPSC Commission Rule 25-6.0455	04/10/2018 15:30:55	80,008.50	1119
Substation	FPSC Commission Rule 25-6.0455	04/10/2018 15:40:52	122,782.33	2020
Substation	FPSC Commission Rule 25-6.0455	04/10/2018 15:40:53	39,290.40	642
Substation	FPSC Commission Rule 25-6.0455	04/11/2018 02:47:28	36,631.33	920
Substation	FPSC Commission Rule 25-6.0455	04/19/2018 07:19:06	25,398.58	335
Substation	FPSC Commission Rule 25-6.0455	04/21/2018 19:17:13	33,932.62	959
Substation	FPSC Commission Rule 25-6.0455	04/21/2018 19:17:41	60,940.12	1711
Substation	FPSC Commission Rule 25-6.0455	04/21/2018 19:17:46	41,173.53	1162
Substation	FPSC Commission Rule 25-6.0455	04/22/2018 20:32:36	37,607.67	439
Substation	FPSC Commission Rule 25-6.0455	05/02/2018 19:25:21	98,342.40	1773
Substation	FPSC Commission Rule 25-6.0455	05/02/2018 19:25:21	51,363.55	707
Substation	FPSC Commission Rule 25-6.0455	05/02/2018 19:26:27	219,437.33	1952
Substation	FPSC Commission Rule 25-6.0455	05/02/2018 19:26:32	48,970.83	1150
Substation	FPSC Commission Rule 25-6.0455	05/08/2018 14:05:11	8,847.75	1255
Substation	FPSC Commission Rule 25-6.0455	05/08/2018 14:05:11	10,391.70	1474
Substation	FPSC Commission Rule 25-6.0455	05/08/2018 14:05:11	9,270.75	1315
Substation	FPSC Commission Rule 25-6.0455	05/11/2018 14:12:17	166,924.82	1903
Substation	FPSC Commission Rule 25-6.0455	05/11/2018 14:55:56	118,724.00	2010
Substation	FPSC Commission Rule 25-6.0455	05/11/2018 14:55:56	59,419.73	1211
Substation	FPSC Commission Rule 25-6.0455	05/12/2018 10:04:40	248.33	1
Substation	FPSC Commission Rule 25-6.0455	05/13/2018 23:53:20	11,025.00	1764
Substation	FPSC Commission Rule 25-6.0455	05/15/2018 02:27:24	44,183.00	1955
Substation	FPSC Commission Rule 25-6.0455	05/15/2018 02:27:24	46,527.60	1146
Substation	FPSC Commission Rule 25-6.0455	05/15/2018 02:27:24	23,721.60	706
Substation	FPSC Commission Rule 25-6.0455	05/15/2018 02:29:12	27,373.25	669
Substation	FPSC Commission Rule 25-6.0455	05/24/2018 04:09:40	21,061.33	718
Substation	FPSC Commission Rule 25-6.0455	05/25/2018 07:54:28	2,565.28	1033
Substation	FPSC Commission Rule 25-6.0455	05/30/2018 09:04:27	19,826.80	776
Substation	FPSC Commission Rule 25-6.0455	05/30/2018 09:04:27	54,605.60	1372
Substation	FPSC Commission Rule 25-6.0455	05/30/2018 09:04:27	9,357.33	1595
Substation	FPSC Commission Rule 25-6.0455	05/30/2018 18:45:31	2,770.90	726
Substation	FPSC Commission Rule 25-6.0455	06/05/2018 07:40:41	108,474.68	2759
Substation	FPSC Commission Rule 25-6.0455	06/05/2018 07:40:45	48,821.25	1385
Substation	FPSC Commission Rule 25-6.0455	06/05/2018 07:41:30	14,197.50	631

2018 Adjustments: Other Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
Substation	FPSC Commission Rule 25-6.0455	06/11/2018 15:36:48	4,108.57	1058
Step Restoration	FPSC Commission Rule 25-6.0455	06/11/2018 15:36:48	2,240.68	577
Step Restoration	FPSC Commission Rule 25-6.0455	06/11/2018 15:36:48	4,512.43	1162
Substation	FPSC Commission Rule 25-6.0455	06/12/2018 15:09:04	22,798.17	370
Substation	FPSC Commission Rule 25-6.0455	06/12/2018 15:09:04	26,146.60	547
Substation	FPSC Commission Rule 25-6.0455	06/13/2018 22:25:49	1,793.25	797
Substation	FPSC Commission Rule 25-6.0455	06/14/2018 07:38:14	96,092.10	1161
Substation	FPSC Commission Rule 25-6.0455	06/14/2018 07:39:40	126,955.65	1251
Substation	FPSC Commission Rule 25-6.0455	06/21/2018 05:31:13	9,576.93	2648
Substation	FPSC Commission Rule 25-6.0455	07/03/2018 07:58:30	9,525.97	2314
Substation	FPSC Commission Rule 25-6.0455	07/04/2018 22:10:00	50,988.00	1214
Substation	FPSC Commission Rule 25-6.0455	07/05/2018 19:40:17	11,959.57	2123
Substation	FPSC Commission Rule 25-6.0455	07/05/2018 19:45:22	2,473.33	848
Substation	FPSC Commission Rule 25-6.0455	07/07/2018 01:37:38	65,847.60	1134
Substation	FPSC Commission Rule 25-6.0455	07/07/2018 01:37:38	19,103.93	329
Substation	FPSC Commission Rule 25-6.0455	07/07/2018 01:37:38	156,755.70	2781
Substation	FPSC Commission Rule 25-6.0455	07/07/2018 01:37:38	68,114.93	968
Substation	FPSC Commission Rule 25-6.0455	07/08/2018 17:47:44	102,563.07	632
Substation	FPSC Commission Rule 25-6.0455	07/08/2018 17:48:59	49,310.77	1006
Substation	FPSC Commission Rule 25-6.0455	07/08/2018 17:48:59	90,482.32	1459
Substation	FPSC Commission Rule 25-6.0455	07/11/2018 15:09:51	59,644.75	1265
Substation	FPSC Commission Rule 25-6.0455	07/11/2018 17:43:30	12,965.90	1479
Substation	FPSC Commission Rule 25-6.0455	07/15/2018 17:46:38	59,816.67	776
Substation	FPSC Commission Rule 25-6.0455	07/27/2018 17:30:24	119,705.60	1336
Substation	FPSC Commission Rule 25-6.0455	07/27/2018 17:30:29	686,925.13	1478
Substation	FPSC Commission Rule 25-6.0455	07/27/2018 17:30:39	56,413.20	1272
Substation	FPSC Commission Rule 25-6.0455	07/28/2018 18:11:04	134,279.78	1927
Substation	FPSC Commission Rule 25-6.0455	07/29/2018 13:55:36	79,785.80	1087
Substation	FPSC Commission Rule 25-6.0455	07/29/2018 13:55:46	54,264.57	731
Substation	FPSC Commission Rule 25-6.0455	07/29/2018 13:56:51	201,770.25	2035
Substation	FPSC Commission Rule 25-6.0455	07/31/2018 11:38:10	50,966.67	1112
Substation	FPSC Commission Rule 25-6.0455	07/31/2018 11:38:10	92,627.50	1659
Substation	FPSC Commission Rule 25-6.0455	07/31/2018 11:38:10	59,068.67	1004
Substation	FPSC Commission Rule 25-6.0455	08/02/2018 21:59:33	42,982.33	545
Substation	FPSC Commission Rule 25-6.0455	08/03/2018 02:54:25	9,673.03	1426
Substation	FPSC Commission Rule 25-6.0455	08/07/2018 15:23:21	42,808.05	1137
Substation	FPSC Commission Rule 25-6.0455	08/07/2018 15:23:21	25,020.60	2453
Substation	FPSC Commission Rule 25-6.0455	08/07/2018 16:14:54	22,413.60	594
Substation	FPSC Commission Rule 25-6.0455	08/07/2018 16:14:58	108,006.60	2724
Substation	FPSC Commission Rule 25-6.0455	08/07/2018 16:14:58	64,652.57	1691
Substation	FPSC Commission Rule 25-6.0455	08/07/2018 16:15:03	87,905.77	2233
Substation	FPSC Commission Rule 25-6.0455	08/13/2018 17:42:10	2,070.00	1380
Substation	FPSC Commission Rule 25-6.0455	08/22/2018 20:56:09	208,238.43	2222
Step Restoration	FPSC Commission Rule 25-6.0455	08/22/2018 20:56:09	18,556.07	238
Substation	FPSC Commission Rule 25-6.0455	08/29/2018 16:32:04	83,544.40	631
Substation	FPSC Commission Rule 25-6.0455	09/12/2018 04:27:39	7,640.60	1012
Substation	FPSC Commission Rule 25-6.0455	09/20/2018 11:33:26	6.67	2
Substation	FPSC Commission Rule 25-6.0455	09/21/2018 11:11:27	78,408.82	1343
Substation	FPSC Commission Rule 25-6.0455	09/21/2018 11:13:27	42,020.60	1454
Substation	FPSC Commission Rule 25-6.0455	09/21/2018 11:13:36	32,211.25	1095

2018 Adjustments: Other Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
Substation	FPSC Commission Rule 25-6.0455	09/21/2018 11:13:38	20,143.20	693
Substation	FPSC Commission Rule 25-6.0455	09/26/2018 22:04:02	5,032.80	216
Substation	FPSC Commission Rule 25-6.0455	09/26/2018 22:04:02	28,284.53	533
Substation	FPSC Commission Rule 25-6.0455	09/26/2018 22:04:02	8,282.15	213
Substation	FPSC Commission Rule 25-6.0455	09/27/2018 21:08:56	23,921.73	746
Step Restoration	FPSC Commission Rule 25-6.0455	09/27/2018 21:08:56	11,808.00	216
Substation	FPSC Commission Rule 25-6.0455	10/07/2018 17:14:46	11,119.07	356
Substation	FPSC Commission Rule 25-6.0455	10/07/2018 17:14:46	20,450.93	424
Substation	FPSC Commission Rule 25-6.0455	10/07/2018 17:14:46	38,228.73	1186
Substation	FPSC Commission Rule 25-6.0455	10/07/2018 17:14:46	16,206.40	336
Substation	FPSC Commission Rule 25-6.0455	10/20/2018 07:59:26	681.00	454
Substation	FPSC Commission Rule 25-6.0455	10/21/2018 10:29:36	426.65	159
Substation	FPSC Commission Rule 25-6.0455	10/22/2018 10:15:26	50,664.25	655
Substation	FPSC Commission Rule 25-6.0455	10/29/2018 09:10:07	2,023.87	344
Substation	FPSC Commission Rule 25-6.0455	10/29/2018 09:10:07	1,662.50	133
Substation	FPSC Commission Rule 25-6.0455	10/29/2018 09:10:07	15,910.33	1618
Substation	FPSC Commission Rule 25-6.0455	11/02/2018 15:13:49	168,158.08	1435
Substation	FPSC Commission Rule 25-6.0455	11/02/2018 15:14:49	76,899.33	760
Substation	FPSC Commission Rule 25-6.0455	11/02/2018 15:14:49	73,714.47	908
Substation	FPSC Commission Rule 25-6.0455	11/02/2018 15:14:49	63,753.43	826
Substation	FPSC Commission Rule 25-6.0455	11/04/2018 01:21:10	119,520.50	2103
Substation	FPSC Commission Rule 25-6.0455	11/04/2018 01:21:10	39,071.17	653
Substation	FPSC Commission Rule 25-6.0455	11/04/2018 01:21:10	146,339.17	2621
Step Restoration	FPSC Commission Rule 25-6.0455	11/04/2018 01:21:10	151,362.75	2621
Step Restoration	FPSC Commission Rule 25-6.0455	11/04/2018 01:21:10	560.00	10
Step Restoration	FPSC Commission Rule 25-6.0455	11/04/2018 01:21:10	39,256.00	701
Substation	FPSC Commission Rule 25-6.0455	11/06/2018 09:34:47	36,050.25	1065
Substation	FPSC Commission Rule 25-6.0455	11/08/2018 21:11:17	50,353.00	1290
Substation	FPSC Commission Rule 25-6.0455	11/08/2018 21:11:17	15,358.58	1631
Circuit Out	FPSC Commission Rule 25-6.0455	11/11/2018 13:54:34	101.32	1
Substation	FPSC Commission Rule 25-6.0455	11/23/2018 07:04:43	91,427.05	2019
Substation	FPSC Commission Rule 25-6.0455	11/27/2018 07:35:58	44,676.45	1091
Substation	FPSC Commission Rule 25-6.0455	11/28/2018 08:48:47	3,508.55	141
Substation	FPSC Commission Rule 25-6.0455	11/28/2018 08:48:47	1,054.08	35
Substation	FPSC Commission Rule 25-6.0455	11/28/2018 08:48:47	601.00	15
Substation	FPSC Commission Rule 25-6.0455	11/28/2018 08:48:47	6,407.23	167
Substation	FPSC Commission Rule 25-6.0455	11/29/2018 13:48:09	26,186.67	1964
Substation	FPSC Commission Rule 25-6.0455	11/30/2018 11:39:48	2,904.60	423
Substation	FPSC Commission Rule 25-6.0455	12/01/2018 06:59:45	139,280.83	2105
Substation	FPSC Commission Rule 25-6.0455	12/01/2018 06:59:45	4,257.93	68
Substation	FPSC Commission Rule 25-6.0455	12/12/2018 07:36:00	15,037.67	985
Substation	FPSC Commission Rule 25-6.0455	12/13/2018 08:21:10	22,717.50	975
Substation	FPSC Commission Rule 25-6.0455	12/14/2018 10:33:24	48,757.70	667
Substation	FPSC Commission Rule 25-6.0455	12/14/2018 10:33:49	58,031.50	831
Substation	FPSC Commission Rule 25-6.0455	12/19/2018 09:57:18	4,620.00	1980
Substation	FPSC Commission Rule 25-6.0455	12/26/2018 13:19:34	4,764.00	1191

2018 Adjustments: Transmission Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
Transmission	FPSC Commission Rule 25-6.045	01/05/2018 06:13:20	26,560.00	13280
Transmission	FPSC Commission Rule 25-6.045	01/05/2018 06:13:20	23,020.00	11510
Transmission	FPSC Commission Rule 25-6.045	01/05/2018 06:13:20	8,696.00	4348
Transmission	FPSC Commission Rule 25-6.045	02/26/2018 13:22:06	13,558.57	467
Step Restoration	FPSC Commission Rule 25-6.045	02/26/2018 13:22:06	646.13	8
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:09:08	1,498.57	671
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:09:08	1,478.47	662
Transmission	FPSC Commission Rule 25-6.045	03/04/2018 11:09:08	2,479.00	1110
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:09:08	1,603.53	718
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:09:08	3,269.60	1464
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:09:08	2,519.20	1128
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:09:08	2,769.33	1240
Pole	FPSC Commission Rule 25-6.045	03/04/2018 11:09:08	64,686.07	97
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:09:08	57,360.53	131
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:09:22	2,654.00	1327
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:09:22	4,498.00	2249
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:09:22	3,646.00	1823
Transmission	FPSC Commission Rule 25-6.045	03/04/2018 11:09:22	2,070.00	1035
Transmission	FPSC Commission Rule 25-6.045	03/04/2018 11:09:40	9,669.33	196
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:09:40	53,319.47	772
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:09:40	23,620.80	342
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:09:40	37,779.47	547
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:11:36	66,991.20	813
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:19:55	94,743.00	1815
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:23:18	2,303.30	31
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:23:18	2,981.33	40
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:23:18	740.33	10
Step Restoration	FPSC Commission Rule 25-6.045	03/04/2018 11:23:18	23,957.92	325
Step Restoration	FPSC Commission Rule 25-6.045	03/17/2018 15:49:53	731.50	627
Step Restoration	FPSC Commission Rule 25-6.045	03/17/2018 15:49:53	1,144.50	981
Transmission	FPSC Commission Rule 25-6.045	03/17/2018 15:49:53	1,437.33	1232
Step Restoration	FPSC Commission Rule 25-6.045	03/17/2018 15:49:53	1,508.50	1293
Transmission	FPSC Commission Rule 25-6.045	05/11/2018 12:01:09	10,490.70	2057
Transmission	FPSC Commission Rule 25-6.045	06/09/2018 05:20:08	10,637.92	1055
Transmission	FPSC Commission Rule 25-6.045	06/09/2018 05:20:08	18,422.25	1827
Transmission	FPSC Commission Rule 25-6.045	06/09/2018 05:20:08	13,063.47	1324
Transmission	FPSC Commission Rule 25-6.045	06/09/2018 05:20:10	22,454.93	2272
Transmission	FPSC Commission Rule 25-6.045	06/09/2018 05:20:11	62,981.42	6985
Transmission	FPSC Commission Rule 25-6.045	06/09/2018 05:20:12	31,467.53	5956
Step Restoration	FPSC Commission Rule 25-6.045	08/20/2018 19:00:08	22,533.87	368
Step Restoration	FPSC Commission Rule 25-6.045	08/20/2018 19:00:08	6,549.60	72
Step Restoration	FPSC Commission Rule 25-6.045	08/20/2018 19:00:08	690.00	276
Transmission	FPSC Commission Rule 25-6.045	08/20/2018 19:00:08	90.00	36
Step Restoration	FPSC Commission Rule 25-6.045	08/20/2018 19:00:08	92.50	37
Transmission	FPSC Commission Rule 25-6.045	10/09/2018 11:43:16	303,222.33	2255
Transmission	FPSC Commission Rule 25-6.045	10/09/2018 11:43:16	145,553.20	1217
Transmission	FPSC Commission Rule 25-6.045	10/09/2018 11:43:16	89,819.03	1006
Transmission	FPSC Commission Rule 25-6.045	10/09/2018 11:43:16	192,154.90	1939
Transmission	FPSC Commission Rule 25-6.045	10/09/2018 11:43:16	212,232.53	1792

2018 Adjustments: Transmission Events

Outage Events	Reason for Exclusion	Outage Date Time	CMI Excluded	CI excluded
Transmission	FPSC Commission Rule 25-6.045	10/09/2018 11:43:16	82,872.37	829
Transmission	FPSC Commission Rule 25-6.045	10/09/2018 11:43:16	4,245.13	1721
Transmission	FPSC Commission Rule 25-6.045	10/09/2018 11:43:16	4,417.80	1791
Transmission	FPSC Commission Rule 25-6.045	10/09/2018 11:43:16	2,382.80	966
Transmission	FPSC Commission Rule 25-6.045	10/09/2018 11:43:16	2,698.53	1094
Transmission	FPSC Commission Rule 25-6.045	10/09/2018 11:43:16	3,621.07	1468
Transmission	FPSC Commission Rule 25-6.045	10/09/2018 11:43:16	1,716.80	696
Transmission	FPSC Commission Rule 25-6.045	10/09/2018 11:43:16	2,735.53	1109
Transmission	FPSC Commission Rule 25-6.045	10/09/2018 11:43:16	306.93	4

Appendix C) Annual Wood Pole Inspection Report

ORDER NO. PSC - 07 - 0918 - PAA - PU
DOCKET NOS. 070634-EI, 070635-TL

TAMPA ELECTRIC COMPANY
Annual Wood Pole Inspection Report
2018

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 Annual Inspection	# of Poles Inspected this Annual Inspection	# of Poles Failing Inspection this Annual Inspection	Pole Failure Rate (%) this Annual Inspection	# of Poles Designated for Replacement this Annual Inspection	Total # of Poles Replaced this Annual Inspection	# of Poles Requiring Minor Follow-up this Annual Inspection (Anchors/Guys)	# of Poles Overloaded this Annual Inspection	Methods(s) V = Visual E = Excavation P = Prod S = Sound B = Bore R = Resistograph	# of Pole Inspections Planned for Next Annual Inspection Cycle	Total # of Poles Inspected (Cumulative) in the 8-Year Cycle to Date	% of Poles Inspected (Cumulative) in the 8-Year Cycle to Date
Distribution and Transmission				Distribution Reinforcement 2.70%	Distribution Reinforcement 79	Distribution Reinforcement 1,080						
				Distribution Replacement 3.99%	Distribution Replacement 2,543	Distribution Replaced 2,536						
CYCLE THREE WOOD POLE POPULATION								Distribution Poles Overloaded				
Distribution 285,000	Distribution 39,500	Distribution 39,887	Distribution 2,673	Distribution 6.69%	Distribution 2,622	Distribution 3,616	Distribution 260	0	VESB	** Distribution 35,900	Distribution 161,672	Distribution 56.73%
*Transmission	Transmission	Transmission	Transmission	Transmission	Transmission	Transmission	Transmission	Transmission	VESB	Transmission	Transmission	Transmission
5,144	1,285	1,028	169	16.44%	58	145	0	0		798	3,761	73.11%
Total Poles 290,144	Total 40,785	Total 40,915	Total 2,842		Total 2,680	Total 3,761	Total 260	Total 0		Total 36,698	Total 165,433	Total 57.02%
If b - c > 0, provide explanation												
If d - g > 0, provide explanation												
Description of selection criteria for inspections												

Appendix D) Storm Hardening Metrics

1) Initiative 1: Four-year Vegetation Management

2018 - System Vegetation Management Performance Metrics – SYSTEM							
	Feeders			Laterals			Total
	Unadjusted	Adjusted	Diff.	Unadjusted	Adjusted	Diff.	
(A) Number of Outages							
(B) Customer interruptions							
(C) Miles Cleared		402.6			834.0		1,236.6
(D) Remaining Miles		1,348.9			3,670.6		5,019.5
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		185			3,267		3,452
(H) All Vegetation Management Costs							$13,098,445
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							$13,169,410
(L) Vegetation Goal (current year)							1,564.0
(M) Vegetation Budget (next year)							$15,978,825
(N) Vegetation Goal (next year)							1,561.8
(O) Trim-Back Distance							10’

Notes:
(H) All Vegetation Management Costs - SERVICE AREA - include ONLY contractor costs, All Vegetation Management Costs - SYSTEM - include ALL costs
(L) & (N) Vegetation Goal shown in miles
(O) 10' Represents an average, however, to comply with ANSI A300, actual trim distances may vary

2018 - System Vegetation Management Performance Metrics - CSA							
	Feeders			Laterals			Total
	Unadjusted	Adjusted	Diff.	Unadjusted	Adjusted	Diff.	
(A) Number of Outages							
(B) Customer Interruptions							
(C) Miles Cleared		74.4			123.7		198.1
(D) Remaining Miles		265.9			574.0		839.9
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		40			842		882
(H) All Vegetation Management Costs							$1,910,198
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							
(L) Vegetation Goal (current year)							259.5
(M) Vegetation Budget (next year)							
(N) Vegetation Goal (next year)							260.1
(O) Trim-Back Distance							10’

Notes:
(H) All Vegetation Management Costs include ONLY contractor costs.
(L) & (N) Vegetation Goal shown in miles.
(O) 10' Represents an average, however, to comply with ANSI A300, actual trim distances may vary.

2018 - System Vegetation Management Performance Metrics - DCA							
	Feeders			Laterals			Total
(A) Number of Outages							
(B) Customer Interruptions							
(C) Miles Cleared		15.2			80.8		96.0
(D) Remaining Miles		39.4			235.9		275.3
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		0			116		116
(H) All Vegetation Management Costs							$318,917
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							
(L) Vegetation Goal (current year)							92.8
(M) Vegetation Budget (next year)							
(N) Vegetation Goal (next year)							92.8
(O) Trim-Back Distance							10’

Notes:
(H) All Vegetation Management Costs include ONLY contractor costs.
(L) & (N) Vegetation Goal shown in miles.
(O) 10' Represents an average, however, to comply with ANSI A300, actual trim distances may vary.

2018 - System Vegetation Management Performance Metrics - ESA

	Feeders			Laterals			Total
(A) Number of Outages							
(B) Customer Interruptions							
(C) Miles Cleared		61.3			78.8		140.1
(D) Remaining Miles		235.1			462.4		697.6
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		26			574		600
(H) All Vegetation Management Costs							$1,269,388
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							
(L) Vegetation Goal (current year)							209.4
(M) Vegetation Budget (next year)							
(N) Vegetation Goal (next year)							209.0
(O) Trim-Back Distance							10’

Notes:
(H) All Vegetation Management Costs include ONLY contractor costs.
(L) & (N) Vegetation Goal shown in miles.
(O) 10' Represents an average, however, to comply with ANSI A300, actual trim distances may vary.

2018 - System Vegetation Management Performance Metrics - PCA

	Feeders			Laterals			Total
(A) Number of Outages							
(B) Customer Interruptions							
(C) Miles Cleared		49.5			165.9		215.4
(D) Remaining Miles		199.8			826.2		1,026.0
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		15			366		381
(H) All Vegetation Management Costs							$1,505,582
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							
(L) Vegetation Goal (current year)							310.4
(M) Vegetation Budget (next year)							
(N) Vegetation Goal (next year)							310.4
(O) Trim-Back Distance							10’

Notes:
(H) All Vegetation Management Costs include ONLY contractor costs.
(L) & (N) Vegetation Goal shown in miles.
(O) 10' Represents an average, however, to comply with ANSI A300, actual trim distances may vary.

2018 - System Vegetation Management Performance Metrics - SHA							
	Feeders			Laterals			Total
(A) Number of Outages							
(B) Customer Interruptions							
(C) Miles Cleared		49.5			88.7		138.2
(D) Remaining Miles		155.3			438.5		593.8
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		65			194		258
(H) All Vegetation Management Costs							$705,386
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							
(L) Vegetation Goal (current year)							183.0
(M) Vegetation Budget (next year)							
(N) Vegetation Goal (next year)							181.5
(O) Trim-Back Distance							10’

Notes:
(H) All Vegetation Management Costs include ONLY contractor costs.
(L) & (N) Vegetation Goal shown in miles.
(O) 10' Represents an average, however, to comply with ANSI A300, actual trim distances may vary.

2018 - System Vegetation Management Performance Metrics - WSA							
	Feeders			Laterals			Total
(A) Number of Outages							
(B) Customer Interruptions							
(C) Miles Cleared		90.9			173.2		264.1
(D) Remaining Miles		262.0			583.2		845.2
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		20			928		948
(H) All Vegetation Management Costs							$3,004,560
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							
(L) Vegetation Goal (current year)							277.3
(M) Vegetation Budget (next year)							
(N) Vegetation Goal (next year)							276.7
(O) Trim-Back Distance							10’

Notes:
(H) All Vegetation Management Costs include ONLY contractor costs.
(L) & (N) Vegetation Goal shown in miles.
(O) 10' Represents an average, however, to comply with ANSI A300, actual trim distances may vary.

2018 - System Vegetation Management Performance Metrics - WHA

	Feeders			Laterals			Total
	Unadjusted	Adjusted	Diff.	Unadjusted	Adjusted	Diff.	
(A) Number of Outages							
(B) Customer Interruptions							
(C) Miles Cleared		61.8			122.9		184.7
(D) Remaining Miles		191.3			550.3		741.6
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		21			246		267
(H) All Vegetation Management Costs							$1,039,435
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							
(L) Vegetation Goal (current year)							231.6
(M) Vegetation Budget (next year)							
(N) Vegetation Goal (next year)							231.3
(O) Trim-Back Distance							10’

Notes:
(H) All Vegetation Management Costs include ONLY contractor costs.
(L) & (N) Vegetation Goal shown in miles.
(O) 10' Represents an average, however, to comply with ANSI A300, actual trim distances may vary.

2) Initiative 2: Joint-Use Pole Attachments Audit

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.

a) Percent of system audited: 100 percent feeders: N/A laterals: N/A

b) Date audit conducted: Quarter four of 2018 through June 2019 (projected).

c) Date of previous audit: Total system-wide audit completed 2013.

d) List of audits conducted annually

- Tampa Electric began the process for implementing a joint-use pole attachment audit in last quarter of 2018, with active field employees in the first quarter of 2019. The audit is projected be complete by the end of 2019.
- Through Tampa Electric's Pole Attachment Permit Application process, the company performed the following audits: attachment verification, NESC violation analysis and pole loading assessment.

e) 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.

- Tampa Electric does not have any non-jurisdictional distribution poles.

Joint-Use Attachment Data Table

(A) Number of company owned distribution poles.	307,266
(B) Number of company distribution poles leased.	13,379 (1)
(C) Number of owned distribution pole attachments	197,828
(D) Number of leased distribution pole attachments.	13,379 (2)
(E) Number of authorized attachments.	321,786
(F) Number of unauthorized attachments.	0 (3)
(G) Number of distribution poles strength tested.	3,205
(H) Number of distribution poles passing strength test.	2,925
(I) Number of distribution poles failing strength test (overloaded).	280
(J) Number of distribution poles failing strength test (other reasons).	2,673
(K) Number of distribution poles corrected (strength failure).	51
(L) Number of distribution poles corrected (other reasons	80
(M) Number of distribution poles replaced.	2,817
(N) Number of apparent NESC violations involving electric infrastructure	502
(O) Number of apparent NESC violations involving 3rd party facilities	1,683

Note 1: These are the number of poles where Tampa Electric leases space on foreign owned poles.
Note 2: Each attachment is counted as one per pole on leased poles.
Note 3: Tampa Electric completed a pole attachment audit in June 2014 and identified unauthorized attachments at the completion of the audit in June 2014.
Note 4: These poles were identified for replacement during Tampa Electric's Pole Inspection Program and failed the strength test due to wood damage at ground line or other locations on the pole.
Note 5: These poles were re-guyed or re-configured to pass strength loading.
Note 6: The company reinforced these poles with trusses

3) Initiative 3: Eight-Year Inspection Cycle for Transmission Structures

Transmission Circuit, Substation and Other Equipment Inspections

	Activity		Current Budget		Next Year	
	Goal	Actual	Budget	Actual	Goal	Budget
(A) Total transmission circuits.		209				
(B1) Planned transmission circuit inspections – Groundline (Poles)	13 (3,169)		$60,000		17 (798)	$55,000
(B2) Planned transmission circuit inspections – Above Ground (Poles).	13 (3,169)		$260,000		17 (3012)	$40,000
(C1) Completed transmission circuit inspections – Groundline (Poles)		13 (1,028)		$62,337		
(C2) Completed transmission circuit inspections – Above Ground (Poles)		13 (3,031)		$0		
(D1) Percent of transmission circuit inspections completed - Groundline		100%				
(D2) Percent of transmission circuit inspections completed – Above Ground.		100%				
(E) Planned transmission substation inspections.	72				72	
(F) Completed transmission substation inspections		72				
(G) Percent transmission substation inspections completed.		100%				
(H) Planned transmission equipment inspections (other equipment). – Ground Patrol/ IR Patrol	207/ 207		$133,554/ $34,085		209/ 209	$132,635/ $100,000
(I) Completed transmission equipment inspections (other equipment) – Ground Patrol/ IR Patrol		207/207		$137,833/ $70,592		
(J) Percent of transmission equipment inspections completed (other equipment) – Ground Patrol/ IR Patrol		100%/ 100%				

Transmission Pole Inspections

	Activity		Current Budget		Next Year	
	Goal	Actual	Budget	Actual	Goal	Budget
(A) Total number of transmission poles		24,614[1]				
(B) Number of transmission poles strength tested		0[2]				
(C) Number of transmission poles passing strength test		N/A				
(D) Number of transmission poles failing strength test (overloaded)		N/A				
(E) Number of transmission poles failing strength test (other reasons)		N/A				
(F) Number of transmission poles corrected (strength failure)		0				
(G) Number of transmission poles corrected (other reasons)		0				
(H) Total transmission poles replaced (Structures)		155			120[3]	

Note 1: The transmission pole count on the entire system is currently 24,614 this is a fluid number that will change as a function of time. Standards have been set to calculate this number based off of the Geographical Information System and provide an annual update prior to the submission of this report.

Note 2: The transmission pole strength test is budgeted as part of the ground line inspection. This information is included in the Transmission Circuit, Substation and Other Equipment Inspections section.

Note 3: The budget information for this table is included in the information supplied in the Hardening of Existing Transmission Structures section.

4) Initiative 4: Storm Hardening Activities for Transmission Structures

	Activity		Current Budget		Next Year	
	Goal	Actual	Budget	Actual	Goal	Budget
(A) Transmission structures scheduled for hardening.	58		$2.3M		120	$4.3M
(B) Transmission structures hardening completed.		164		$3.8M		
(C) Percent transmission structures hardening completed.		280%				

5) Initiative 5: Geographic Information System

See Section I – Storm Preparedness Plans, item E) Initiative 5: Geographic Information System on pages 20 and 21 for a detailed discussion.

6) Initiative 6: Post-Storm Data Collection

See Section I – Storm Preparedness Plans, item F) Initiative 6: Post-Storm Data Collection on pages 21 through 26 for a detailed discussion

7) Initiative 7: Outage Data – Overhead and Underground Systems

See Section I – Storm Preparedness Plans, item G) Initiative 7: Outage Data – Overhead and Underground Systems on page 26 for a detailed discussion.

8) Initiative 8: Increase Coordination with Local Governments

See matrix below of Tampa Electric's activities involving its coordination with local governments.

Government Entity	Municipal	Communication Efforts Presentations, Material, Etc.	Storm Workshop, Planning and Training With Local Gov't Officials and Fire and Police Personnel	Emergency Operation Centers Key Personnel Contact	Search and Rescue Teams Assistance to Local Gov't	Vegetation Management Tree Ordinances, Planting Guides, and Trim Procedures	Undergrounding Share Information, Estimates, and Materials
FEDERAL	---	EEI Mutual Assistance Presentations - 4 hours	EEI Business Continuity (BC) Leadership - 5 hours				
	---		EEI National Response Event (NRE) Exercise - 1 hour				
	---		Electric Subsector Coordinating Council - 3 hours				
	---		NERC GridEx V Planning - 16 hours				
	---		EarthEx 2018 - 35 hours				
	---		NFPA 1600 Committee meeting - Emergency Management, Business Continuity, and Disaster Recovery Standard - 26 hours				
STATE	---		Mock Storm Planning and Exercise - 6 hours	Activation (Subtropical Storm Alberto)			
	---		FDOT Emergency Management Stakeholders Meeting - 4 hours	Activation (Hurricane Michael)			
	---		Interdependent Infrastructure Exercise - 24 hours				
HILLSBOROUGH COUNTY	---	Hurricane Expo (Sun City Center) - 16 hours	PDRP Planning - 3 hours		None		
	---	Hurricane Preparedness (HC Water Department) - 8 hours	Hillsborough County Operations Group Meetings - 6 hours				
	---		Hillsborough County Training and Exercise Meetings - 6 hours				
	---		Hillsborough County Comprehensive Emergency Management Plan (CEMP) - 12 hours				
	---		Hillsborough County EOC Capabilities Workshop - 8 hours				
			Hillsborough County Re-Entry Planning - 12 hours				
	---		LMS Working Group - 13 hours				
	---		Critical Facility Index Working Group - 12 hours				
	---		WebEOC Training and Users Group - 12 hours				
	---		Mock Storm Planning and Exercise - 15 hours				
	---		Tampa Bay UASI - 6 hours				
	City of Tampa	COT Annual Hurricane Preparedness Meeting - 11 hours	Mock Storm Planning and Exercise - 4 hours		None		
	City of Tampa	Presentation and tour of TEC Call Centers for COT EOC Remodeling - 40 hours	Push Crew Exercise - 12 hours				
	City of Tampa		Comprehensive Emergency Operations Plan (CEOP) Update - 4 hours				
	City of Tampa		EOC 101 Training - 8 hours				
	City of Tampa		COT Re-Entry Planning - 20 hours				
	City of Tampa		COT EOC Hotel/Motel Exercise - 3 hours				
	City of Tampa		PDRP Planning - 7 hours				
	City of Plant City		Push Crew Planning - 2 hours				
	City of Temple Terrace		Annual Hurricane Briefing - 10 hours				
POLK COUNTY	Winter Haven		Web EOC Training - 3 hours		None		
	Winter Haven						
PASCO COUNTY	New Port Richey		Vulnerable Population Committee - 16 hours		None		
	New Port Richey		Multi-Year Training and Exercise Planning - 4 hours				
	New Port Richey		Web EOC Training - 3 hours				
	New Port Richey		Critical Infrastructure Review - 3 hours				
	San Antonio						
	St. Leo						
PINELLAS COUNTY	Largo		Critical Infrastructure Working Group - 10 hours		None		
	Largo		Response Operations Coordination (ROC) Meetings - 10 hours				
	Largo		Web EOC Training and Mock Storm Exercise - 12 hours				
	Largo		Disaster Preparedness Forum for Health Care Facilities - 8 hours				
	Oldsmar		Storm Planning - 2 hours				
OTHER							

9) Initiative 9: Collaborative Research

See Section I – Storm Preparedness Plans, item I - Initiative 9: Collaborative Research on pages 35 through 38 for a detailed description and related data.

10) Initiative 10: Disaster Preparedness and Recovery Plan

The company's Disaster Preparedness and Recover Plan for 2018 was thoroughly reviewed and found to be appropriate; both the structure and operational functions did not change and are consistent with the document previously submitted to the Commission. For 2019, the Plan will undergo its customary annual review prior to storm season and any necessary updates or modifications will be made at that time.

11) Feeder Specific and Attached Laterals Data

See attached pages 183 through 224.

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13001	SHA	N/A	12.68	775	74,727	414	N/A	4.52	610	4784	32	0
13002	SHA	N/A	0.24	18	-	-	N/A	0.58	8	0	0	1
13003	SHA	N/A	24.17	572	30,516	193	N/A	2.52	197	7033	42	0
13004	DCA	N/A	10.90	509	95,389	708	N/A	8.56	498	7839	74	0
13005	DCA	N/A	6.16	244	75,105	128	N/A	1.56	218	5123	13	0
13006	DCA	N/A	22.70	777	26,130	184	N/A	10.36	898	2198	23	13
13007	PCA	N/A	29.53	457	47,077	242	N/A	3.27	60	4394	13	5
13008	PCA	N/A	17.19	427	17,184	202	N/A	1.39	17	317	2	1
13009	PCA	N/A	3.02	66	1,309	8	N/A	0.92	41	0	0	0
13010	PCA	N/A	7.71	459	229,578	1,183	N/A	11.74	1067	15690	150	9
13011	PCA	N/A	27.32	1504	254,906	1,726	N/A	1.06	88	0	0	17
13012	WSA	N/A	0.48	52	9,067	33	N/A	0.10	10	486	6	0
13013	WSA	N/A	0.24	43	5,181	13	N/A	1.47	190	2560	13	0
13016	WSA	N/A	0.83	88	1,916	15	N/A	0.76	96	10991	27	0
13017	SHA	N/A	9.12	373	237,433	689	N/A	19.97	1841	29663	233	11
13019	SHA	N/A	15.15	963	124,322	840	N/A	9.09	801	17995	176	15
13020	SHA	N/A	12.80	883	34,204	316	N/A	2.33	256	2144	5	0
13021	CSA	N/A	3.29	242	16,336	182	N/A	4.87	1029	12876	152	0
13022	CSA	N/A	3.29	443	-	-	N/A	0.70	316	0	0	0
13023	CSA	N/A	8.33	977	119,354	1,599	N/A	2.07	355	9245	71	1
13024	CSA	N/A	7.52	815	40,700	324	N/A	1.20	175	1028	10	0
13026	CSA	N/A	3.02	279	3,367	37	N/A	4.96	1555	7039	48	0
13027	CSA	N/A	9.24	695	114,613	536	N/A	1.83	313	16387	88	2
13028	CSA	N/A	5.45	595	18,527	90	N/A	4.40	1360	0	0	0
13029	CSA	N/A	5.93	515	36,483	247	N/A	3.11	659	3097	29	0
13030	WHA	N/A	29.16	898	17,288	263	N/A	12.56	736	33197	119	14
13031	WHA	N/A	14.07	537	5,326	40	N/A	2.42	116	244	1	1
13034	CSA	N/A	9.90	1159	36,965	328	N/A	0.74	166	151	1	0
13035	CSA	N/A	5.07	481	6,567	78	N/A	0.71	96	0	0	0
13036	CSA	N/A	9.04	919	36,031	168	N/A	2.18	272	0	0	0
13037	CSA	N/A	5.79	564	9,784	85	N/A	1.66	341	575	10	0
13038	ESA	N/A	6.20	349	159,047	393	N/A	3.89	211	15186	68	0
13039	ESA	N/A	7.36	468	74,731	325	N/A	7.99	603	0	0	0
13040	ESA	N/A	0.29	4	14,057	161	N/A	14.30	1094	7251	50	0
13041	ESA	N/A	5.71	324	99,766	469	N/A	14.71	972	30357	177	0
13042	CSA	N/A	8.24	1101	111,154	807	N/A	0.10	4	1041	2	0
13043	CSA	N/A	12.29	1696	135,298	749	N/A	1.23	385	0	0	0
13044	CSA	N/A	12.37	1690	53,434	448	N/A	0.30	93	16	1	1
13045	CSA	N/A	7.03	950	53,714	243	N/A	0.05	15	0	0	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
1	Yes	4.08	0.10	0	74,727	0	3.98	129	172636	3845	-11%	10.6
0	Yes	3.12	2.43	0	-	0	0.69	0	0	0	2%	5.7
2	Yes	7.81	0.03	0	30,516	0	7.78	99	0	0	-36%	8.5
0	Yes	3.55	0.00	0	95,389	0	3.55	88	0	0	-28%	13.4
0	Yes	1.66	0.51	0	75,105	0	1.15	33	0	0	-13%	5.2
2	Yes	6.10	0.17	0	26,130	0	5.93	100	193945	4588	31%	10.2
0	Yes	3.39	0.09	0	47,077	0	3.30	32	24262	577	-20%	14.2
0	Yes	0.87	0.00	0	17,184	0	0.87	1	67667	2495	-30%	11.8
0	Yes	2.23	0.09	0	1,309	0	2.14	32	0	0	71%	16.4
1	Yes	5.42	0.82	0	229,578	3	4.59	96	169257	1613	17%	9.5
1	Yes	6.25	0.54	0	254,906	0	5.71	78	59665	3514	31%	22.3
0	Yes	0.53	0.09	0	9,067	0	0.44	23	3189	55	366%	20.5
0	Yes	1.44	0.81	0	5,181	0	0.63	45	0	0	-4%	9.7
0	Yes	1.22	0.39	0	1,916	0	0.83	17	7667	204	17%	10.2
0	Yes	4.82	1.64	0	237,433	0	3.18	75	0	0	-69%	9.1
3	Yes	5.17	1.08	0	124,322	459	4.09	65	90467	1368	-33%	15.9
0	Yes	3.82	0.00	0	34,204	0	3.82	108	0	0	-50%	10.5
0	Yes	3.06	0.09	0	16,336	0	2.97	73	66464	1369	-40%	11
0	Yes	0.92	0.11	0	-	0	0.82	20	0	0	-1%	7.4
1	Yes	2.46	0.10	0	119,354	0	2.36	106	0	0	-54%	9.8
0	Yes	1.91	0.12	0	40,700	0	1.79	91	0	0	-53%	11.3
0	Yes	1.30	0.04	0	3,367	0	1.25	67	117266	3847	135%	29.2
0	Yes	1.18	0.46	0	114,613	0	0.73	35	252924	2130	-10%	17.8
0	Yes	1.79	0.23	0	18,527	0	1.56	30	223068	3736	26%	20.6
0	Yes	1.22	0.29	0	36,483	0	0.93	31	86465	2440	27%	16.6
1	Yes	5.23	0.09	0	17,288	0	5.13	82	2723	34	-35%	9.8
0	Yes	3.45	0.00	0	5,326	0	3.45	51	93648	1454	-67%	3.3
0	Yes	1.92	0.04	0	36,965	0	1.88	107	89923	1459	122%	25.3
2	Yes	2.17	0.02	0	6,567	0	2.15	107	0	0	55%	9.3
0	Yes	2.84	0.73	0	36,031	0	2.11	104	0	0	-21%	9.5
0	Yes	2.51	0.08	0	9,784	0	2.43	155	50316	1048	26%	12.7
0	Yes	2.13	0.10	0	159,047	0	2.03	64	14173	371	-79%	9.9
0	Yes	3.07	0.07	0	74,731	0	3.00	52	6123	1127	47%	46.8
0	Yes	1.11	0.54	0	14,057	0	0.57	6	0	0	-81%	10.2
1	Yes	4.43	0.16	0	99,766	0	4.28	110	86412	1151	1%	12.5
0	Yes	2.58	0.06	0	111,154	0	2.52	169	49174	962	-35%	13.5
0	Yes	2.03	0.05	0	135,298	0	1.99	147	56000	2246	32%	11.2
0	Yes	0.88	0.03	0	53,434	0	0.85	60	0	0	-62%	10.3
0	Yes	1.83	0.11	0	53,714	0	1.73	169	223308	2159	37%	26.5

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13046	CSA	N/A	7.95	1108	87,128	636	N/A	0.11	5	0	0	0
13047	CSA	N/A	3.72	540	263,083	1,041	N/A	0.27	167	0	0	0
13048	CSA	N/A	8.37	1235	41,447	216	N/A	0.36	28	0	0	0
13049	CSA	N/A	5.67	641	10,732	69	N/A	2.06	497	0	0	0
13050	CSA	N/A	0.05	0	-	-	N/A	0.93	43	0	0	0
13051	CSA	N/A	1.41	103	1,787	7	N/A	4.32	944	17242	145	0
13052	CSA	N/A	0.86	40	6,585	55	N/A	0.63	140	378	3	0
13053	CSA	N/A	9.10	1223	74,029	902	N/A	1.98	306	13867	21	0
13054	CSA	N/A	0.23	0	104	2	N/A	1.10	437	0	0	0
13055	CSA	N/A	0.14	1	65	1	N/A	0.49	26	8411	24	0
13057	CSA	N/A	0.21	5	444	2	N/A	0.92	177	152	2	0
13059	WSA	N/A	6.86	922	20,700	281	N/A	0.64	135	0	0	0
13060	WSA	N/A	4.65	727	227,856	2,206	N/A	1.93	471	31509	220	0
13061	WSA	N/A	3.50	438	36,757	750	N/A	0.39	31	0	0	0
13062	WSA	N/A	4.94	538	25,387	172	N/A	0.15	15	0	0	0
13063	WSA	N/A	5.70	449	7,759	39	N/A	6.93	1473	0	0	0
13064	WSA	N/A	8.99	1017	111,036	911	N/A	4.74	783	1472	4	10
13065	WSA	N/A	8.90	1042	94,618	583	N/A	2.06	462	0	0	0
13066	WSA	N/A	2.98	443	30,777	281	N/A	0.00	0	0	0	0
13067	WSA	N/A	5.24	633	5,559	38	N/A	0.42	13	397	1	0
13068	WSA	N/A	5.42	809	24,644	82	N/A	1.41	320	0	0	0
13069	WSA	N/A	4.02	520	30,209	193	N/A	0.81	382	26152	217	0
13070	WSA	N/A	16.54	368	110,777	1,029	N/A	15.88	187	13064	147	1
13071	WSA	N/A	7.45	177	167,842	1,142	N/A	16.25	1188	3069	6	0
13072	WSA	N/A	6.42	674	33,137	325	N/A	0.47	41	0	0	0
13073	WSA	N/A	3.53	400	7,218	57	N/A	6.89	350	2174	22	4
13076	WSA	N/A	2.20	100	7,382	67	N/A	1.44	126	28134	137	0
13077	WSA	N/A	8.19	630	341,413	1,625	N/A	1.77	50	264	1	0
13078	WSA	N/A	7.21	1026	41,754	255	N/A	0.31	90	0	0	0
13079	WSA	N/A	4.56	542	17,030	228	N/A	2.54	769	0	0	0
13080	WSA	N/A	8.04	1118	54,060	296	N/A	1.36	552	0	0	5
13081	WSA	N/A	2.80	406	12,434	107	N/A	1.54	526	0	0	3
13082	WSA	N/A	6.33	804	98,973	276	N/A	0.73	308	0	0	0
13084	ESA	N/A	3.87	168	16,611	77	N/A	1.56	79	0	0	0
13085	ESA	N/A	2.13	47	1,488	5	N/A	0.24	7	0	0	0
13086	ESA	N/A	3.07	251	6,195	36	N/A	1.48	13	323	1	0
13087	ESA	N/A	4.24	335	11,960	118	N/A	2.48	322	2658	69	0
13088	CSA	N/A	3.52	371	67,075	225	N/A	1.24	314	18811	100	0
13089	CSA	N/A	8.08	779	10,082	79	N/A	1.07	222	0	0	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
0	Yes	3.16	0.00	0	87,128	0	3.16	238	89122	2162	-17%	9.1
0	Yes	1.38	0.07	0	263,083	0	1.31	98	161216	1360	-13%	6
0	Yes	2.43	0.14	0	41,447	0	2.29	181	149179	2966	16%	8.1
0	Yes	1.70	0.05	0	10,732	0	1.64	128	2873	1277	59%	11
0	Yes	1.90	1.46	0	-	0	0.44	2	0	0	11%	6.1
1	Yes	2.03	0.15	0	1,787	0	1.88	48	3382	1115	-31%	5.3
0	Yes	1.56	0.09	0	6,585	0	1.47	13	0	0	-17%	8.7
0	Yes	2.48	0.13	0	74,029	0	2.36	145	97070	1695	85%	14.6
0	Yes	1.72	0.70	0	104	0	1.02	6	0	0	-18%	6.7
0	Yes	3.29	1.38	0	65	0	1.92	10	0	0	25%	6.4
0	Yes	1.41	0.04	0	444	0	1.37	8	0	0	0%	8.5
0	Yes	1.58	0.09	0	20,700	0	1.49	132	0	0	-2%	8.9
0	Yes	1.93	0.00	0	227,856	0	1.93	143	17976	2618	19%	13.6
0	Yes	2.20	0.00	0	36,757	0	2.20	171	0	0	-43%	15.5
0	Yes	1.71	0.00	0	25,387	0	1.71	136	0	0	-69%	7.4
1	Yes	3.07	0.00	0	7,759	0	3.07	145	291123	3125	-40%	7.6
1	Yes	1.99	0.00	0	111,036	0	1.99	177	0	0	-45%	8.6
0	Yes	0.60	0.00	0	94,618	0	0.60	53	0	0	76%	12.3
0	Yes	0.59	0.05	0	30,777	0	0.54	73	0	0	36%	3.4
0	Yes	1.71	0.38	0	5,559	0	1.32	98	0	0	-53%	10.2
0	Yes	1.29	0.03	0	24,644	0	1.26	61	0	0	-60%	8.5
0	Yes	2.01	0.05	0	30,209	0	1.96	128	49525	1039	86%	21.2
0	Yes	3.66	0.69	0	110,777	0	2.97	22	0	0	22%	6.1
1	Yes	2.33	0.06	0	167,842	0	2.27	21	0	0	-55%	8.8
0	Yes	0.70	0.31	0	33,137	0	0.39	34	21162	770	337%	26.2
0	Yes	2.03	0.19	0	7,218	0	1.83	105	0	0	-67%	9.9
0	Yes	1.60	0.00	0	7,382	0	1.60	38	0	0	81%	10.3
0	Yes	3.18	0.16	0	341,413	0	3.02	141	112884	2463	16%	29.8
0	Yes	1.08	0.06	0	41,754	0	1.02	9	0	0	-2%	6.1
0	Yes	2.37	0.13	0	17,030	0	2.24	128	0	0	-11%	11.2
0	Yes	2.19	0.16	0	54,060	0	2.03	109	0	0	5%	26.3
0	Yes	0.93	0.19	0	12,434	0	0.73	57	0	0	-59%	5.6
0	Yes	0.45	0.07	0	98,973	0	0.38	28	0	0	37%	10.3
0	Yes	2.38	0.12	0	16,611	0	2.26	35	0	0	-57%	5.2
0	Yes	1.23	0.37	0	1,488	0	0.85	8	0	0	4%	4.7
0	Yes	3.41	0.37	0	6,195	0	3.04	48	14382	325	-51%	6.3
0	Yes	3.06	0.67	0	11,960	0	2.39	114	0	0	4%	7.3
0	Yes	1.15	0.04	0	67,075	132	1.11	59	47224	1358	22%	6
0	Yes	0.51	0.11	0	10,082	0	0.40	21	0	0	-16%	11.4

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13090	CSA	N/A	4.66	628	31,718	101	N/A	1.51	341	8638	115	0
13091	CSA	N/A	10.04	1508	249,729	2,008	N/A	0.30	7	0	0	0
13092	CSA	N/A	5.33	624	23,111	365	N/A	0.29	54	0	0	0
13093	CSA	N/A	6.08	981	249,007	526	N/A	0.10	39	0	0	0
13094	CSA	N/A	6.45	706	61,051	661	N/A	2.97	673	27412	220	0
13096	CSA	N/A	19.82	677	171,452	801	N/A	11.29	507	426	4	2
13097	CSA	N/A	14.38	566	90,609	718	N/A	19.37	679	24427	157	0
13098	CSA	N/A	10.06	517	78,736	666	N/A	10.09	546	5213	50	0
13099	CSA	N/A	11.59	364	68,285	428	N/A	19.91	786	1454	12	0
13100	CSA	N/A	5.72	475	5,285	91	N/A	1.02	73	0	0	0
13101	CSA	N/A	3.22	362	23,529	170	N/A	0.73	187	0	0	0
13102	CSA	N/A	6.02	858	17,304	166	N/A	0.37	30	0	0	0
13103	CSA	N/A	3.40	556	9,092	124	N/A	0.36	13	0	0	0
13104	CSA	N/A	5.07	514	36,184	111	N/A	1.69	262	0	0	0
13105	CSA	N/A	6.85	619	116,466	899	N/A	2.13	416	0	0	0
13106	CSA	N/A	3.55	543	53,684	480	N/A	5.52	2058	46224	194	0
13107	CSA	N/A	3.80	466	69,331	557	N/A	6.01	996	32418	157	0
13109	WSA	N/A	4.77	763	233,213	618	N/A	3.85	1637	73554	482	0
13110	WSA	N/A	0.98	40	949	4	N/A	2.86	370	0	0	0
13111	WSA	N/A	3.64	510	91,031	361	N/A	1.39	318	2858	17	0
13112	WSA	N/A	10.55	1006	2,989	19	N/A	5.34	587	343	1	15
13113	WSA	N/A	3.26	480	4,415	61	N/A	0.62	9	0	0	0
13114	WSA	N/A	5.45	542	8,300	51	N/A	9.21	2254	12	10	2
13115	WHA	N/A	6.63	476	4,004	32	N/A	2.81	208	0	0	0
13117	WHA	N/A	13.88	1051	303,433	917	N/A	25.11	952	24542	180	0
13118	WHA	N/A	12.56	755	6,284	79	N/A	15.01	1324	29410	127	12
13119	PCA	N/A	1.64	25	436	3	N/A	2.10	629	61182	235	0
13120	PCA	N/A	2.69	61	14,407	155	N/A	10.23	938	114	1	0
13121	PCA	N/A	3.24	88	11,238	99	N/A	7.32	687	4461	16	0
13122	PCA	N/A	3.99	345	2,133	30	N/A	1.02	71	217	1	0
13123	PCA	N/A	7.32	654	106,305	663	N/A	1.34	121	0	0	0
13124	PCA	N/A	7.45	359	15,033	127	N/A	2.81	308	0	0	1
13125	PCA	N/A	3.98	405	62,743	286	N/A	3.12	361	0	0	0
13126	PCA	N/A	8.02	229	38,252	326	N/A	2.75	229	154	1	0
13127	ESA	N/A	2.02	64	23,528	213	N/A	16.35	1105	38598	190	0
13128	ESA	N/A	9.38	561	43,653	152	N/A	7.81	603	6644	55	0
13129	ESA	N/A	2.84	241	57,850	188	N/A	5.44	427	23226	89	0
13130	ESA	N/A	5.81	339	67,923	317	N/A	4.15	457	12125	73	0
13132	ESA	N/A	1.67	40	-	-	N/A	1.95	112	273	2	1

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
0	Yes	2.55	0.39	0	31,718	0	2.16	112	0	0	686%	11
0	Yes	2.65	0.24	0	249,729	0	2.41	131	0	0	9%	11.4
0	Yes	1.43	0.19	0	23,111	0	1.24	120	0	0	247%	11.8
0	Yes	1.61	0.21	0	249,007	0	1.39	108	75123	1046	-2%	10.5
0	Yes	3.68	1.16	0	61,051	0	2.53	117	0	0	18%	25
1	Yes	3.35	0.08	0	171,452	0	3.27	87	137882	1836	6%	18.6
1	Yes	5.80	1.18	0	90,609	0	4.62	96	0	0	-27%	10.1
1	Yes	4.43	0.07	0	78,736	0	4.36	114	8649	1116	82%	16.9
1	Yes	6.37	0.07	0	68,285	0	6.30	49	42419	844	-31%	11.6
0	Yes	2.63	0.22	0	5,285	0	2.42	100	0	0	-14%	7.3
0	Yes	1.22	0.00	0	23,529	0	1.22	101	0	0	115%	8.4
0	Yes	3.67	0.13	0	17,304	0	3.54	219	102278	1121	-14%	15.7
0	Yes	1.91	0.16	0	9,092	0	1.75	156	42103	1498	-27%	7.8
0	Yes	2.20	0.14	0	36,184	0	2.06	84	0	0	-70%	5.4
0	Yes	1.62	0.00	0	116,466	0	1.62	46	205929	1679	-39%	9.4
0	Yes	1.27	0.08	0	53,684	0	1.18	74	0	0	-11%	6.5
0	Yes	3.14	0.00	0	69,331	0	3.14	133	0	0	123%	29.2
0	Yes	1.83	0.89	0	233,213	0	0.94	88	199437	4686	71%	36.3
0	Yes	2.14	0.30	0	949	0	1.84	26	0	0	17%	9
0	Yes	1.87	0.30	0	91,031	0	1.57	53	68532	898	10%	21.3
0	Yes	4.08	0.21	0	2,989	0	3.87	197	510707	2695	19%	13
0	Yes	1.04	0.17	0	4,415	0	0.87	39	37020	530	5%	4.9
0	Yes	3.07	1.50	0	8,300	0	1.57	89	377458	8850	1%	14.7
0	Yes	2.26	0.12	0	4,004	0	2.13	62	0	0	16%	5.1
0	Yes	6.92	2.59	0	303,433	0	4.33	205	146702	3416	39%	8.2
1	Yes	7.96	1.56	0	6,284	0	6.41	138	251692	5120	-7%	9.5
0	Yes	2.27	0.08	0	436	0	2.19	16	51218	1299	2%	19
0	Yes	2.91	0.75	0	14,407	0	2.17	26	0	0	-64%	11.4
0	Yes	3.15	0.26	0	11,238	0	2.90	61	0	0	0%	20.2
0	Yes	1.42	0.09	0	2,133	0	1.34	46	0	0	-4%	7.4
0	Yes	2.43	0.00	0	106,305	0	2.43	100	74821	1784	-23%	21.6
0	Yes	4.04	0.02	0	15,033	0	4.02	126	151169	2825	-45%	8.8
0	Yes	3.36	0.86	0	62,743	0	2.49	118	42858	901	6%	9
0	Yes	4.59	0.15	0	38,252	0	4.45	27	0	0	-45%	7.2
1	Yes	2.61	0.00	0	23,528	0	2.61	98	33681	1271	38%	29.9
1	Yes	3.37	0.03	0	43,653	0	3.34	93	0	0	8%	18.9
0	Yes	2.01	0.13	0	57,850	0	1.88	48	25764	720	-25%	7.3
0	Yes	3.57	0.04	0	67,923	0	3.53	132	83447	1895	-7%	8.7
1	Yes	0.77	0.03	0	-	0	0.73	15	0	0	-6%	10.5

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13133	ESA	N/A	14.07	1377	46,671	308	N/A	3.54	442	7125	56	0
13134	ESA	N/A	2.17	165	1,537	12	N/A	2.68	211	0	0	0
13136	WSA	N/A	4.36	480	80,774	328	N/A	0.37	9	61	2	0
13137	WSA	N/A	0.93	146	481	9	N/A	1.25	529	0	0	0
13138	WSA	N/A	4.09	446	151,511	952	N/A	2.50	846	47138	424	0
13139	WSA	N/A	5.83	532	139,067	355	N/A	3.19	888	4603	21	0
13140	WSA	N/A	3.59	407	61,563	477	N/A	1.81	938	0	0	0
13141	WSA	N/A	2.67	516	116,826	450	N/A	0.95	466	3006	7	1
13142	WSA	N/A	2.57	561	3,121	19	N/A	1.99	1176	143	1	0
13143	WSA	N/A	8.19	1308	102,846	473	N/A	0.69	160	5579	93	10
13146	PCA	N/A	20.74	632	102,229	469	N/A	1.23	51	552	3	0
13147	PCA	N/A	35.88	1061	41,019	356	N/A	9.64	547	0	0	3
13148	PCA	N/A	30.86	683	90,968	668	N/A	1.25	44	3249	16	1
13150	WHA	N/A	4.33	358	4,432	46	N/A	5.63	206	780	10	0
13151	WHA	N/A	1.86	38	58	2	N/A	10.69	1054	32128	269	0
13152	WHA	N/A	3.51	313	9,752	90	N/A	8.17	560	811	6	0
13153	WHA	N/A	7.33	594	9,644	48	N/A	4.14	332	3491	16	0
13154	WSA	N/A	3.60	385	8,588	31	N/A	8.59	1458	1132	48	0
13155	WSA	N/A	3.72	378	3,490	33	N/A	12.18	1286	52684	346	0
13156	WSA	N/A	2.19	208	22,510	151	N/A	3.79	847	0	0	0
13157	WSA	N/A	0.85	61	8,676	19	N/A	10.13	570	10566	71	0
13158	CSA	N/A	7.21	732	17,696	109	N/A	3.16	813	71068	184	0
13159	CSA	N/A	12.67	1277	138,329	1,073	N/A	2.01	310	276	1	17
13160	CSA	N/A	4.95	536	53,213	258	N/A	2.04	380	0	0	0
13161	WSA	N/A	3.43	401	11,215	75	N/A	0.18	54	1154	22	0
13162	WSA	N/A	5.67	541	36,705	103	N/A	1.05	267	0	0	0
13163	WSA	N/A	5.51	782	19,251	159	N/A	0.52	122	0	0	0
13164	WSA	N/A	5.87	787	47,050	393	N/A	0.84	53	0	0	0
13165	WSA	N/A	1.78	266	6,731	22	N/A	0.54	53	0	0	0
13166	WSA	N/A	5.74	799	45,207	156	N/A	1.66	512	515	15	0
13167	WSA	N/A	7.66	1218	23,832	238	N/A	0.71	226	2895	35	0
13169	ESA	N/A	1.12	7	51,675	1,599	N/A	12.96	1506	113695	1858	0
13170	ESA	N/A	0.29	1	32,808	699	N/A	19.30	2147	488	3	0
13171	ESA	N/A	9.60	602	123,193	527	N/A	10.66	881	0	0	0
13172	ESA	N/A	5.41	321	80,368	1,004	N/A	2.27	147	0	0	0
13173	ESA	N/A	3.27	448	53,010	165	N/A	6.03	1024	1728	29	0
13174	ESA	N/A	1.73	11	66,832	1,252	N/A	18.93	3623	24007	352	0
13175	CSA	N/A	16.97	1751	51,512	366	N/A	0.73	39	0	0	0
13176	CSA	N/A	8.44	839	13,751	92	N/A	1.13	49	144	1	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
1	Yes	2.58	0.00	0	46,671	0	2.58	55	0	0	-59%	9.7
0	Yes	1.14	0.07	0	1,537	0	1.07	57	0	0	-74%	5.3
0	Yes	1.43	0.08	0	80,774	0	1.35	26	19029	1043	-26%	22.5
0	Yes	1.38	0.16	0	481	0	1.22	97	0	0	-44%	5.6
0	Yes	1.25	0.03	0	151,511	0	1.22	37	0	0	21%	12.5
0	Yes	1.70	0.04	0	139,067	0	1.66	65	0	0	-20%	8.3
0	Yes	0.44	0.17	0	61,563	0	0.27	46	56759	1440	-74%	4.5
1	Yes	1.38	0.38	0	116,826	0	1.00	135	0	0	3%	6.6
0	Yes	1.11	0.28	0	3,121	0	0.83	67	185960	1775	-73%	5.8
0	Yes	2.96	1.25	0	102,846	0	1.70	87	8130	1626	126%	23.1
0	Yes	8.61	0.47	0	102,229	0	8.14	71	17034	571	-48%	3.2
0	Yes	6.36	0.02	0	41,019	0	6.34	68	129313	4821	41%	9.9
0	Yes	4.18	0.00	0	90,968	0	4.18	25	61632	768	27%	7.1
0	Yes	3.64	0.37	0	4,432	0	3.26	93	25671	662	27%	18.6
0	Yes	3.57	0.05	0	58	0	3.52	22	3297	1081	-56%	6.3
0	Yes	3.06	0.13	0	9,752	0	2.93	127	0	0	1%	11.6
1	Yes	1.39	0.04	0	9,644	0	1.35	47	2969	1048	-30%	7.3
0	Yes	1.35	0.00	0	8,588	0	1.35	88	0	0	27%	9.5
0	Yes	3.18	1.12	0	3,490	0	2.06	61	0	0	5%	10
0	Yes	2.14	0.07	0	22,510	0	2.08	64	0	0	21%	8
0	Yes	1.22	0.34	0	8,676	0	0.88	70	0	0	28%	8.8
0	Yes	2.07	0.06	0	17,696	0	2.01	128	0	0	-20%	7.1
2	Yes	3.40	0.09	0	138,329	0	3.30	175	255092	1804	13%	12.6
0	Yes	1.06	0.29	0	53,213	0	0.78	19	0	0	-35%	9.6
0	Yes	0.51	0.06	0	11,215	0	0.45	41	0	0	47%	7.5
0	Yes	1.45	0.02	0	36,705	0	1.43	176	0	0	26%	12.1
0	Yes	1.58	0.06	0	19,251	0	1.52	168	0	0	-6%	6.6
0	Yes	1.71	0.36	0	47,050	0	1.35	28	0	0	-34%	6.1
0	Yes	0.39	0.21	0	6,731	0	0.18	2	0	0	-12%	3.6
0	Yes	4.74	0.66	0	45,207	0	4.08	269	210458	1654	-3%	14.5
0	Yes	1.50	0.04	0	23,832	0	1.46	135	0	0	9%	8.8
0	Yes	3.82	1.79	0	51,675	286	2.04	6	170676	2585	55%	17.8
0	Yes	5.65	2.71	0	32,808	0	2.93	10	0	0	48%	17.6
0	Yes	4.06	0.15	0	123,193	0	3.92	70	154940	2724	-24%	13.2
0	Yes	3.46	0.02	0	80,368	0	3.44	56	17009	536	248%	33.1
0	Yes	3.53	1.01	0	53,010	0	2.52	27	0	0	84%	19.7
0	Yes	3.62	1.17	0	66,832	0	2.44	15	0	0	-60%	9.8
0	Yes	4.06	0.23	0	51,512	0	3.84	142	0	0	17%	12.3
0	Yes	3.75	0.38	0	13,751	0	3.37	96	0	0	36%	12

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13177	CSA	N/A	3.41	311	13,774	296	N/A	0.41	52	0	0	0
13178	CSA	N/A	3.07	103	108	3	N/A	0.46	41	0	0	0
13180	CSA	N/A	2.19	246	968	5	N/A	0.44	71	249	1	0
13181	CSA	N/A	3.88	282	13,778	39	N/A	1.35	879	0	0	0
13183	CSA	N/A	6.69	336	3,598	31	N/A	0.61	36	101	1	0
13184	CSA	N/A	1.58	67	4,056	27	N/A	0.43	30	0	0	0
13185	CSA	N/A	2.54	218	12,854	19	N/A	7.81	1045	12857	132	0
13186	CSA	N/A	3.95	388	12,069	122	N/A	0.40	105	0	0	0
13187	CSA	N/A	6.04	510	45,487	334	N/A	4.87	644	29131	57	0
13188	CSA	N/A	5.21	435	17,011	140	N/A	5.25	595	35817	101	0
13189	WSA	N/A	2.56	150	12,385	75	N/A	1.73	70	251	3	0
13190	WSA	N/A	7.98	600	55,396	386	N/A	8.42	453	3102	18	0
13191	WSA	N/A	5.61	493	22,301	138	N/A	4.03	270	0	0	0
13192	WSA	N/A	4.24	219	875	4	N/A	7.77	785	4654	30	0
13193	WSA	N/A	0.00	0	-	-	N/A	10.85	902	5614	30	0
13194	WSA	N/A	6.14	240	68,446	318	N/A	1.93	201	4212	45	0
13195	WSA	N/A	0.45	68	115	1	N/A	0.93	18	0	0	0
13198	WSA	N/A	4.01	571	23,790	142	N/A	2.45	198	0	0	0
13199	WSA	N/A	4.59	830	91,451	689	N/A	0.68	138	0	0	0
13200	WSA	N/A	0.36	19	-	-	N/A	0.39	5	0	0	0
13201	WSA	N/A	2.77	362	34,227	855	N/A	0.67	453	0	0	0
13204	CSA	N/A	5.23	546	15,285	72	N/A	4.23	1179	0	0	0
13205	CSA	N/A	3.99	334	30,851	401	N/A	2.10	452	10709	118	0
13206	WSA	N/A	10.30	1385	53,410	396	N/A	0.17	27	0	0	0
13207	WSA	N/A	9.50	974	191,341	794	N/A	0.52	31	10942	75	0
13208	WSA	N/A	4.51	462	39,630	277	N/A	0.91	46	0	0	0
13210	WSA	N/A	7.26	799	53,129	264	N/A	0.23	4	816	15	5
13211	ESA	N/A	1.96	75	2,459	6	N/A	7.00	736	0	0	0
13213	ESA	N/A	20.10	938	141,333	828	N/A	11.03	619	354	3	2
13214	ESA	N/A	6.09	427	3,627	34	N/A	4.25	232	540	4	0
13215	ESA	N/A	0.05	0	-	-	N/A	0.28	0	0	0	0
13217	WSA	N/A	2.92	319	15,502	55	N/A	1.75	190	354	3	0
13218	WSA	N/A	5.98	586	29,214	372	N/A	2.11	761	0	0	0
13219	WSA	N/A	8.80	1198	127,653	473	N/A	1.99	368	4758	43	1
13220	WSA	N/A	4.60	454	115,303	982	N/A	1.46	280	6186	20	0
13221	CSA	N/A	3.81	121	1,835	14	N/A	5.53	1239	32052	125	0
13222	CSA	N/A	2.52	181	12,960	125	N/A	1.90	34	4273	13	0
13223	CSA	N/A	4.45	295	10,325	104	N/A	1.41	75	219	3	0
13224	CSA	N/A	10.12	943	11,176	114	N/A	1.24	263	0	0	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
0	Yes	1.58	0.20	0	13,774	0	1.39	108	7013	491	44%	4.9
0	Yes	3.00	0.38	0	108	0	2.61	52	12052	206	51%	10.6
0	Yes	1.44	0.56	0	968	0	0.88	36	0	0	7%	7.2
0	Yes	1.95	0.16	0	13,778	0	1.79	82	0	0	-14%	7.1
0	Yes	1.22	0.22	0	3,598	0	1.01	49	0	0	49%	5.5
0	Yes	2.08	0.40	0	4,056	0	1.68	58	5997	160	-64%	2.6
0	Yes	1.24	0.06	0	12,854	0	1.18	71	0	0	7%	4.6
0	Yes	2.31	0.00	0	12,069	0	2.31	149	40387	628	13%	5.1
0	Yes	2.26	0.07	0	45,487	0	2.19	126	171904	1264	-22%	8.7
0	Yes	2.61	0.02	0	17,011	0	2.59	106	0	0	-18%	12.5
0	Yes	1.87	0.01	0	12,385	0	1.86	54	0	0	-26%	8.7
0	Yes	4.35	0.47	0	55,396	0	3.87	126	273420	4239	186%	21.7
0	Yes	3.12	0.24	0	22,301	0	2.88	76	129161	1707	64%	16.4
0	Yes	4.33	0.40	0	875	0	3.93	28	14725	1514	0%	9.3
0	Yes	4.85	1.77	0	-	0	3.08	3	0	0	83%	7.3
0	Yes	1.35	0.12	0	68,446	0	1.23	19	0	0	-32%	8.5
0	Yes	1.53	0.88	0	115	0	0.65	25	0	0	-46%	19.6
0	Yes	2.92	0.36	0	23,790	0	2.56	158	52223	976	-32%	6.3
0	Yes	0.56	0.10	0	91,451	0	0.47	29	0	0	16%	5.8
0	Yes	0.65	0.05	0	-	0	0.59	45	0	0	-10%	6
0	Yes	2.38	0.83	0	34,227	606	1.56	83	320332	6010	-9%	6.9
0	Yes	2.51	0.24	0	15,285	0	2.28	127	255282	3765	-6%	8.9
0	Yes	1.11	0.37	0	30,851	0	0.74	29	0	0	45%	6.4
0	Yes	1.03	0.15	0	53,410	0	0.88	86	57887	1566	-17%	7.9
0	Yes	0.71	0.17	0	191,341	0	0.54	18	8498	1078	96%	15.7
0	Yes	1.21	0.25	0	39,630	0	0.95	82	29107	476	-87%	4.8
1	Yes	2.51	0.40	0	53,129	0	2.10	105	408714	3088	41%	21.7
0	Yes	2.24	0.32	0	2,459	0	1.92	13	58751	1696	-34%	7.8
0	Yes	5.20	1.30	0	141,333	243	3.89	148	144199	3554	-24%	9.6
0	Yes	2.98	0.27	0	3,627	0	2.71	62	0	0	1%	8.7
0	Yes	1.67	0.99	0	-	0	0.67	0	0	0	10%	6.9
0	Yes	2.80	0.66	0	15,502	0	2.13	71	0	0	-61%	11.3
0	Yes	1.55	0.17	0	29,214	0	1.38	58	0	0	-53%	9.7
1	Yes	2.70	0.14	0	127,653	0	2.56	173	90692	1420	4%	20.3
0	Yes	1.38	0.08	0	115,303	0	1.31	21	0	0	-67%	7
0	Yes	3.00	0.17	0	1,835	0	2.83	40	121896	1428	8%	11.4
0	Yes	2.55	0.58	0	12,960	0	1.96	41	0	0	-32%	6.9
0	Yes	2.75	0.00	0	10,325	0	2.75	61	167024	3000	27%	10.4
1	Yes	3.06	0.82	0	11,176	1292	2.24	63	0	0	3%	10.9

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13225	ESA	N/A	5.83	452	26,671	249	N/A	4.55	373	5555	58	0
13226	ESA	N/A	6.71	491	77,402	803	N/A	9.97	1207	6473	51	10
13227	ESA	N/A	6.22	446	54,092	593	N/A	9.41	750	5458	22	0
13228	ESA	N/A	3.95	253	8,691	42	N/A	4.66	772	17580	65	0
13229	ESA	N/A	8.05	646	41,474	311	N/A	4.22	596	35873	531	0
13230	ESA	N/A	3.74	234	57,547	140	N/A	5.16	858	7953	61	0
13231	ESA	N/A	4.67	439	152,416	512	N/A	8.51	757	15764	108	0
13233	SHA	N/A	5.93	79	2,111	10	N/A	6.33	352	0	0	6
13235	SHA	N/A	0.03	0	19,129	57	N/A	30.47	2518	360721	652	0
13236	SHA	N/A	60.86	581	213,830	836	N/A	28.23	2160	118	1	2
13237	SHA	N/A	0.56	2	56	1	N/A	36.28	2370	6249	31	0
13238	SHA	N/A	3.51	40	11,427	68	N/A	16.71	931	19285	148	0
13239	SHA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13241	PCA	N/A	11.41	880	44,468	558	N/A	4.84	615	8814	42	0
13242	PCA	N/A	10.65	313	28,994	244	N/A	3.41	368	7172	79	1
13243	PCA	N/A	10.75	858	193,952	1,758	N/A	2.21	385	5929	19	0
13250	CSA	N/A	0.00	0	-	-	N/A		0	0	0	0
13251	CSA	N/A	0.00	0	-	-	N/A		0	0	0	0
13252	CSA	N/A	0.00	0	-	-	N/A		0	0	0	0
13253	CSA	N/A	0.08	0	-	-	N/A	0.00	0	0	0	0
13254	SHA	N/A	22.11	546	98,177	689	N/A	11.55	939	55596	258	1
13256	SHA	N/A	21.70	500	77,471	573	N/A	7.07	757	19315	84	1
13258	CSA	N/A	0.00	0	-	-	N/A	0.71	14	0	0	0
13259	CSA	N/A	0.00	0	-	-	N/A	1.39	14	0	0	0
13260	CSA	N/A	0.00	0	-	-	N/A	0.20	0	0	0	0
13261	CSA	N/A	0.00	0	-	-	N/A	1.24	5	0	0	0
13262	CSA	N/A	0.00	0	-	-	N/A		0	0	0	0
13263	CSA	N/A	0.00	0	-	-	N/A	0.05	0	0	0	0
13264	CSA	N/A	0.00	0	-	-	N/A	1.51	900	0	0	0
13265	CSA	N/A	0.00	0	-	-	N/A	0.58	8	0	0	0
13267	PCA	N/A	0.24	2	352	2	N/A	1.06	11	88	1	0
13268	PCA	N/A	29.69	690	68,881	567	N/A	4.28	119	0	0	0
13270	WSA	N/A	0.41	27	617	6	N/A	3.56	423	1328	28	0
13275	WSA	N/A	0.00	0	-	-	N/A	1.44	2	0	0	0
13276	WSA	N/A	0.00	0	-	-	N/A	2.40	13	0	0	0
13278	WHA	N/A	7.80	630	15,696	103	N/A	1.04	92	0	0	0
13279	WHA	N/A	9.14	894	5,123	56	N/A	1.67	48	82	1	0
13280	WHA	N/A	2.78	90	290	2	N/A	0.66	15	0	0	0
13281	WHA	N/A	0.00	0	-	-	N/A	0.05	2	0	0	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
0	Yes	0.59	0.06	0	26,671	0	0.52	12	483106	1705	-55%	5.7
1	Yes	4.08	0.13	0	77,402	0	3.96	54	0	0	-7%	9.9
0	Yes	2.89	0.03	0	54,092	0	2.86	68	91223	2244	-53%	6.8
0	Yes	3.50	0.16	0	8,691	0	3.34	83	0	0	80%	22.5
1	Yes	2.36	0.11	0	41,474	0	2.25	101	80642	2162	-12%	8.4
0	Yes	2.68	0.26	0	57,547	0	2.42	105	0	0	53%	26.9
0	Yes	3.47	0.17	0	152,416	0	3.30	87	0	0	-57%	13
0	Yes	2.08	0.45	0	2,111	0	1.63	10	24760	429	36%	11.4
0	Yes	7.43	3.19	0	19,129	0	4.24	2	123647	5814	10%	19.1
0	Yes	10.56	3.72	0	213,830	0	6.84	54	162651	6484	75%	25.2
0	Yes	5.73	4.22	0	56	422	1.51	3	435382	9220	10%	14.2
0	Yes	6.05	3.65	0	11,427	0	2.40	1	123497	983	25%	11.4
0	Yes	0.00	0.00	0	-	0	0.00	0	0	0	3%	2.8
0	Yes	2.35	0.00	0	44,468	0	2.35	94	30916	2144	72%	33.8
0	Yes	3.58	0.10	0	28,994	0	3.48	82	0	0	62%	9.9
0	Yes	2.38	0.17	0	193,952	0	2.21	114	0	0	-21%	13.5
0	Yes	0.00		0	-	0		0	0	0	0%	
0	Yes	0.00		0	-	0		0	0	0	0%	
0	Yes	0.00		0	-	0		0	0	0	0%	
0	Yes	0.46	0.02	0	-	0	0.44	0	0	0	0%	
1	Yes	12.58	0.28	0	98,177	0	12.30	135	79749	1603	0%	9
0	Yes	1.99	0.28	0	77,471	0	1.71	2	230243	3765	32%	7.4
0	Yes	0.30	0.30	0	-	0	0.00	0	0	0	6%	6.7
0	Yes	0.71	0.71	0	-	0	0.00	0	0	0	18%	5.9
0	Yes	1.11	1.11	0	-	0	0.00	0	0	0	-25%	5.3
0	Yes	0.74	0.74	0	-	0	0.00	0	0	0	-33%	4.2
0	Yes	0.00		0	-	0		0	0	0	0%	0
0	Yes	0.14	0.14	0	-	0	0.00	0	0	0	-6%	1.5
0	Yes	1.52	1.50	0	-	0	0.02	0	0	0	16%	8.8
0	Yes	0.52	0.52	0	-	0	0.00	0	0	0	-49%	4.8
1	Yes	2.98	0.38	0	352	0	2.59	6	0	0	22%	26.3
0	Yes	6.20	0.15	0	68,881	0	6.05	113	0	0	481%	9.3
0	Yes	1.68	0.37	0	617	0	1.31	6	102099	1605	426%	10
0	Yes	2.26	2.26	0	-	0	0.00	0	174	4	13%	7.6
0	Yes	1.69	1.69	0	-	0	0.00	0	0	0	40%	7
0	Yes	4.01	0.11	0	15,696	0	3.90	186	31217	964	-1%	9.3
0	Yes	5.81	0.99	0	5,123	0	4.82	203	111326	1200	57%	10.8
0	Yes	2.67	0.21	0	290	0	2.46	49	4177	125	78%	10.7
0	Yes	1.08	1.08	0	-	0	0.01	0	0	0	-5%	7.7

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13282	WHA	N/A	0.00	0	-	-	N/A	0.11	3	0	0	0
13283	WHA	N/A	0.00	0	-	-	N/A	0.12	6	0	0	0
13288	WHA	N/A	1.11	87	474	4	N/A	1.98	118	0	0	0
13289	WHA	N/A	3.95	253	5,617	42	N/A	1.97	284	40	1	0
13290	WHA	N/A	5.04	560	53,746	584	N/A	1.29	336	0	0	0
13291	WHA	N/A	3.63	308	13,748	89	N/A	3.55	465	54051	196	0
13292	WHA	N/A	2.80	282	1,592	38	N/A	1.83	156	0	0	0
13293	WHA	N/A	8.41	903	38,182	345	N/A	2.42	369	0	0	0
13294	WHA	N/A	13.69	697	10,019	135	N/A	2.54	91	5590	23	0
13295	WHA	N/A	2.78	270	258	6	N/A	11.14	918	9852	55	0
13296	WHA	N/A	9.52	430	35,997	213	N/A	11.06	1101	18484	286	0
13297	WHA	N/A	6.01	546	198,285	1,849	N/A	5.84	720	17128	155	0
13298	WHA	N/A	131.11	1049	41,265	261	N/A	4.31	43	0	0	7
13299	WHA	N/A	17.92	541	23,848	377	N/A	17.96	722	18888	307	1
13302	SHA	N/A	2.81	216	89,871	665	N/A	19.83	1487	52624	276	0
13303	SHA	N/A	106.73	1640	420,550	2,567	N/A	5.40	371	1474	5	19
13304	SHA	N/A	0.75	4	1,857	6	N/A	21.09	1637	15153	256	0
13305	SHA	N/A	24.15	600	151,539	1,173	N/A	15.63	405	20242	377	1
13308	WHA	N/A	6.93	637	14,318	125	N/A	3.38	532	15964	98	0
13309	WHA	N/A	3.34	332	5,946	43	N/A	0.41	42	0	0	0
13310	WHA	N/A	2.10	320	29,599	157	N/A	0.64	113	0	0	0
13311	WHA	N/A	5.68	612	28,155	192	N/A	0.54	105	2380	6	0
13312	WHA	N/A	4.89	477	20,618	225	N/A	2.22	382	9979	63	0
13313	WHA	N/A	2.56	304	8,682	137	N/A	1.19	117	2198	6	0
13314	WHA	N/A	2.97	135	287	3	N/A	2.12	305	0	0	0
13315	WHA	N/A	0.00	0	-	-	N/A	0.29	18	595	2	0
13317	WSA	N/A	0.85	0	-	-	N/A	5.36	1257	35	1	0
13318	WSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13319	WSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13320	WSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13321	WSA	N/A	0.00	0	-	-	N/A	1.67	4	462	1	0
13322	WSA	N/A	0.02	0	-	-	N/A	1.80	506	332	1	0
13323	WSA	N/A	1.57	193	17,001	192	N/A	0.96	49	1951	22	0
13324	ESA	N/A	6.28	216	48,428	222	N/A	0.39	10	100	1	0
13325	ESA	N/A	1.99	14	209	2	N/A	0.59	12	369	4	0
13326	ESA	N/A	8.52	271	568,435	571	N/A	2.87	87	372	2	0
13327	ESA	N/A	2.67	22	-	-	N/A	1.20	7	0	0	1
13328	DCA	N/A	6.24	494	16,850	86	N/A	0.67	34	0	0	0
13329	DCA	N/A	8.12	548	27,656	233	N/A	0.55	63	244	1	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
0	Yes	0.95	0.93	0	-	0	0.01	0	0	0	-14%	6.9
0	Yes	1.06	1.05	0	-	0	0.00	0	0	0	-28%	6.8
0	Yes	1.30	0.18	0	474	0	1.12	30	0	0	-61%	6.1
0	Yes	2.96	0.17	0	5,617	0	2.78	83	0	0	-67%	3.6
1	Yes	3.00	0.14	0	53,746	0	2.86	169	95460	1795	-5%	22.9
0	Yes	1.61	0.00	0	13,748	0	1.61	20	0	0	-11%	6.7
0	Yes	2.35	0.00	0	1,592	0	2.35	119	10762	575	36%	8.7
0	Yes	3.42	0.07	0	38,182	0	3.35	131	111089	4425	-34%	18.6
2	Yes	5.64	0.31	0	10,019	0	5.33	141	0	0	0%	12.4
0	Yes	4.01	0.91	0	258	0	3.10	44	0	0	-10%	5.6
1	Yes	4.35	0.18	0	35,997	0	4.17	100	117945	1630	-31%	6.9
0	Yes	3.81	0.12	0	198,285	0	3.70	164	24272	1086	54%	9.1
4	Yes	24.08	0.00	0	41,265	0	24.08	101	202765	1070	-16%	8.1
0	Yes	8.46	3.19	0	23,848	0	5.28	51	0	0	13%	7.9
0	Yes	3.26	1.75	0	89,871	0	1.51	6	9792	1708	-40%	11.5
0	Yes	8.10	0.20	0	420,550	0	7.90	52	509493	9803	-33%	16.2
0	Yes	4.78	2.90	0	1,857	243	1.88	4	299932	2863	-41%	17
1	Yes	7.05	2.05	0	151,539	0	5.00	47	25103	2041	162%	43.2
0	Yes	3.26	0.14	0	14,318	0	3.12	138	88306	1318	38%	25.6
0	Yes	1.94	0.04	0	5,946	456	1.90	57	14610	910	-43%	7.2
0	Yes	1.36	0.05	0	29,599	0	1.31	17	18079	420	-82%	4.8
0	Yes	2.99	0.06	0	28,155	0	2.92	139	119567	868	100%	12.6
0	Yes	2.64	0.10	0	20,618	0	2.54	56	0	0	-20%	7.4
0	Yes	2.04	0.45	0	8,682	0	1.59	41	0	0	-71%	6
0	Yes	1.49	0.32	0	287	0	1.18	30	2049	490	-74%	4
0	Yes	0.58	0.58	0	-	0	0.00	0	0	0	-80%	1.5
0	Yes	4.23	3.30	0	-	0	0.93	6	74949	1162	-49%	7
0	Yes	1.21	1.21	0	-	0	0.00	0	0	0	0%	0
0	Yes	0.92	0.92	0	-	0	0.00	0	0	0	0%	0
0	Yes	1.14	1.14	0	-	0	0.00	0	0	0	0%	0
0	Yes	1.88	1.88	0	-	0	0.00	0	0	0	-30%	3.1
0	Yes	2.91	2.57	0	-	0	0.34	2	0	0	-6%	6.6
0	Yes	2.10	0.82	0	17,001	0	1.28	89	949	674	-28%	9.2
0	Yes	3.76	0.10	0	48,428	0	3.67	36	0	0	-43%	5
0	Yes	1.65	0.11	0	209	0	1.54	10	0	0	-48%	7.3
1	Yes	5.98	0.31	0	568,435	0	5.66	52	0	0	74%	14.3
0	Yes	1.28	0.00	0	-	0	1.28	7	1881	36	44%	8.5
0	Yes	1.40	0.07	0	16,850	0	1.33	29	32611	504	-80%	3.9
0	Yes	2.89	0.06	0	27,656	0	2.83	127	70854	1407	64%	22.6

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13330	DCA	N/A	35.48	1195	195,534	1,603	N/A	8.66	449	2726	10	5
13331	DCA	N/A	27.41	1153	45,880	257	N/A	4.12	148	88446	163	17
13332	WSA	N/A	2.66	106	228,755	695	N/A	8.38	1582	4043	29	0
13333	WSA	N/A	1.53	124	10,043	79	N/A	2.63	349	0	0	0
13334	WSA	N/A	4.33	633	19,279	243	N/A	1.13	221	0	0	0
13335	WSA	N/A	1.95	34	-	-	N/A	2.61	26	131	1	0
13336	WSA	N/A	2.43	51	6,887	113	N/A	2.92	204	243	5	0
13337	WSA	N/A	2.80	204	47,083	605	N/A	4.63	1940	19316	155	0
13338	WSA	N/A	3.44	131	10,101	90	N/A	1.90	215	10001	32	0
13339	WSA	N/A	0.48	3	48,657	864	N/A	5.37	1267	0	0	0
13340	SHA	N/A	4.43	38	17,538	96	N/A	28.85	2203	78214	266	0
13341	SHA	N/A	6.29	104	3,096	23	N/A	19.63	593	6194	60	0
13342	SHA	N/A	8.83	374	17,409	233	N/A	7.96	833	52415	299	0
13343	SHA	N/A	0.04	0	-	-	N/A	19.85	1548	8250	14	0
13344	SHA	N/A	2.71	64	96,713	878	N/A	11.97	1399	19600	227	0
13346	SHA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13348	CSA	N/A	3.75	572	141,655	460	N/A	5.63	1773	59579	179	1
13349	CSA	N/A	0.72	2	137	1	N/A	1.83	360	4191	39	0
13350	CSA	N/A	0.15	65	-	-	N/A	1.68	362	0	0	0
13351	CSA	N/A	3.07	420	40,233	290	N/A	5.59	1539	32346	179	0
13352	CSA	N/A	1.03	107	1,781	32	N/A	5.19	1469	6700	200	0
13353	CSA	N/A	0.00	0	-	-	N/A	0.44	46	0	0	0
13354	CSA	N/A	2.49	122	650	8	N/A	6.54	1431	14773	127	0
13355	CSA	N/A	0.00	0	-	-	N/A	0.14	5	0	0	0
13358	WSA	N/A	4.23	906	87,027	776	N/A	1.45	577	1954	22	0
13359	WSA	N/A	6.11	671	76,519	276	N/A	2.14	174	0	0	3
13360	WSA	N/A	0.08	7	-	-	N/A	0.05	47	0	0	0
13362	CSA	N/A	0.00	0	483	2	N/A	1.32	44	0	0	0
13363	CSA	N/A	0.62	19	19,161	189	N/A	5.56	2251	23332	104	0
13364	CSA	N/A	0.55	8	19,048	169	N/A	5.66	1758	40002	329	0
13365	CSA	N/A	2.04	343	6,727	38	N/A	7.54	911	10552	93	0
13366	CSA	N/A	0.00	0	-	-	N/A	0.44	7	0	0	0
13367	CSA	N/A	1.11	38	89,962	1,029	N/A	8.78	2197	19058	17	0
13368	CSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13369	CSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13370	WHA	N/A	5.88	395	1,016	8	N/A	2.48	293	6980	61	2
13371	WHA	N/A	8.55	430	134,584	1,593	N/A	10.73	551	15328	102	0
13372	WHA	N/A	2.37	237	1,080	16	N/A	1.09	54	0	0	0
13373	WHA	N/A	18.75	1737	50,329	324	N/A	2.38	253	70	1	1

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
1	Yes	4.84	0.20	0	195,534	0	4.63	161	213526	1696	-27%	10.5
0	Yes	3.90	0.11	0	45,880	0	3.79	104	11982	412	-26%	10.3
0	Yes	1.89	0.06	0	228,755	1795	1.83	58	0	0	-9%	6.1
0	Yes	2.28	0.18	0	10,043	0	2.10	76	0	0	-71%	4.3
0	Yes	2.19	0.13	0	19,279	921	2.06	60	20815	3309	0%	9.2
0	Yes	0.88	0.18	0	-	0	0.70	4	0	0	-39%	6.2
0	Yes	1.58	0.18	0	6,887	0	1.39	4	0	0	-62%	6.7
0	Yes	2.68	0.17	0	47,083	0	2.52	168	0	0	36%	10.3
0	Yes	3.34	0.14	0	10,101	0	3.21	30	66484	757	-14%	22.2
0	Yes	1.59	1.18	0	48,657	0	0.41	0	0	0	-4%	7.6
0	Yes	13.35	7.63	0	17,538	0	5.72	17	70450	2770	38%	14.1
0	Yes	8.56	1.02	0	3,096	0	7.53	24	0	0	-23%	12.1
0	Yes	5.69	0.59	0	17,409	0	5.10	45	3192	1277	-32%	6.7
0	Yes	4.31	3.20	0	-	0	1.11	7	0	0	-19%	10
0	Yes	5.19	1.50	0	96,713	0	3.69	12	157590	1326	56%	15.9
0	Yes	1.79	1.79	0	-	0	0.00	0	0	0	17%	8.1
1	Yes	2.73	0.35	0	141,655	0	2.38	209	99681	4257	10%	10.9
0	Yes	1.82	0.67	0	137	0	1.15	11	0	0	-25%	7.2
0	Yes	0.69	0.40	0	-	0	0.30	6	0	0	4%	5.5
0	Yes	2.22	1.14	0	40,233	0	1.07	28	80882	1153	-68%	6.4
0	Yes	1.90	0.86	0	1,781	0	1.04	43	0	0	-76%	9.3
0	Yes	1.72	1.72	0	-	0	0.00	0	0	0	97%	7.7
0	Yes	1.89	0.07	0	650	0	1.82	46	163086	1631	5%	9.6
0	Yes	1.02	0.75	0	-	0	0.27	2	0	0	-61%	9
0	Yes	2.50	0.71	0	87,027	0	1.79	206	134009	1714	-43%	10
1	Yes	3.48	1.41	0	76,519	0	2.07	85	0	0	-27%	7.2
0	Yes	1.63	0.78	0	-	0	0.85	2	0	0	6%	5.6
0	Yes	1.31	0.67	0	483	0	0.64	4	0	0	-80%	7.2
0	Yes	1.41	0.27	0	19,161	0	1.14	15	87015	2303	73%	36.6
0	Yes	1.60	0.27	0	19,048	0	1.33	25	56753	1708	-73%	5.8
1	Yes	5.26	1.69	0	6,727	0	3.58	13	205447	2578	55%	18.8
0	Yes	1.37	0.98	0	-	0	0.39	4	0	0	-16%	8.9
0	Yes	1.74	0.29	0	89,962	0	1.45	11	0	0	-54%	7.7
0	Yes	0.09	0.09	0	-	0	0.00	0	0	0	-20%	4.8
0	Yes	0.15	0.15	0	-	0	0.00	0	0	0	-31%	5.8
1	Yes	1.80	0.06	0	1,016	0	1.74	49	56915	1382	-60%	9.6
1	Yes	2.81	0.34	0	134,584	0	2.48	56	8730	1221	34%	24.9
0	Yes	1.34	0.11	0	1,080	0	1.23	18	0	0	-56%	6.6
1	Yes	5.30	0.85	0	50,329	0	4.45	207	24911	574	-17%	9.3

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13374	WSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13375	WSA	N/A	0.00	0	-	-	N/A	0.03	0	0	0	0
13376	WSA	N/A	0.00	0	-	-	N/A	0.28	6	0	0	0
13377	WSA	N/A	4.15	920	181,692	1,220	N/A	2.00	169	0	0	6
13378	WSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13379	WSA	N/A	0.00	0	4,654	36	N/A	0.02	0	0	0	0
13380	WSA	N/A	0.00	0	-	-	N/A	0.06	0	0	0	0
13381	WSA	N/A	0.00	0	-	-	N/A	0.20	2	0	0	0
13382	WSA	N/A	0.00	0	-	-	N/A	0.10	0	0	0	0
13383	WSA	N/A	0.00	0	-	-	N/A	0.87	7	0	0	0
13384	WSA	N/A	0.00	0	-	-	N/A	0.02	5	0	0	0
13385	WSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13388	PCA	N/A	17.49	471	52,422	280	N/A	7.84	171	1277	2	0
13389	PCA	N/A	17.24	899	51,424	348	N/A	1.58	53	1116	4	0
13390	PCA	N/A	33.63	1177	162,956	454	N/A	4.67	382	4033	38	23
13391	PCA	N/A	47.68	1083	114,234	868	N/A	7.45	326	2883	29	10
13397	CSA	N/A	0.41	44	9,938	43	N/A	0.72	138	7004	35	0
13398	CSA	N/A	0.47	14	-	-	N/A	0.91	1152	1719	18	0
13399	CSA	N/A	1.21	53	-	-	N/A	0.66	462	0	0	0
13400	CSA	N/A	2.19	71	1,540	10	N/A	1.74	973	25470	170	0
13405	WSA	N/A	9.10	177	40,231	595	N/A	15.90	1279	0	0	0
13406	WSA	N/A	1.32	30	297	4	N/A	5.90	261	64	1	0
13412	PCA	N/A	4.12	270	4,840	35	N/A	1.34	34	0	0	0
13414	PCA	N/A	9.47	702	94,356	372	N/A	1.70	115	168	1	0
13417	CSA	N/A	4.82	601	6,590	94	N/A	1.26	66	1411	13	0
13418	CSA	N/A	9.18	1173	26,837	329	N/A	0.64	190	0	0	0
13419	CSA	N/A	10.60	1370	114,102	587	N/A	0.62	68	0	0	0
13420	CSA	N/A	3.86	391	4,856	57	N/A	5.41	1470	510	11	0
13422	DCA	N/A	29.29	882	496,355	3,081	N/A	8.83	420	638	4	1
13423	DCA	N/A	28.38	638	93,115	973	N/A	3.87	551	0	0	2
13425	WSA	N/A	0.07	1	-	-	N/A	9.49	1039	21997	130	0
13426	WSA	N/A	5.76	386	15,734	41	N/A	12.00	1331	14504	103	0
13427	WSA	N/A	0.00	1	419	1	N/A	3.96	287	20894	152	0
13428	WSA	N/A	1.28	51	10,777	101	N/A	9.04	1174	17692	138	0
13431	DCA	N/A	37.80	682	63,789	555	N/A	10.97	429	3674	26	1
13432	DCA	N/A	3.85	56	4,113	29	N/A	17.55	630	19476	48	0
13433	ESA	N/A	9.02	272	50,831	523	N/A	3.59	244	0	0	0
13434	ESA	N/A	9.81	811	65,937	900	N/A	4.34	570	11782	91	0
13435	ESA	N/A	8.19	378	27,665	146	N/A	1.93	371	0	0	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
0	Yes	0.00	0.00	0	-	0	0.00	0	0	0	0%	0
0	Yes	0.92	0.92	0	-	0	0.00	0	0	0	-39%	2
0	Yes	0.85	0.85	0	-	0	0.00	0	0	0	-39%	2.5
3	Yes	2.98	0.79	0	181,692	0	2.20	78	243094	3752	15%	10.6
0	Yes	0.01	0.01	0	-	0	0.00	0	0	0	0%	0
0	Yes	0.64	0.64	0	4,654	0	0.00	0	0	0	-19%	7.1
0	Yes	0.16	0.16	0	-	0	0.00	0	0	0	5%	5.1
0	Yes	0.38	0.38	0	-	0	0.00	0	0	0	-11%	0.8
0	Yes	0.84	0.84	0	-	0	0.00	0	0	0	-72%	5.2
0	Yes	1.18	1.18	0	-	0	0.00	0	0	0	44%	6.9
0	Yes	0.79	0.79	0	-	0	0.00	0	0	0	-35%	3.9
0	Yes	0.02	0.02	0	-	0	0.00	0	0	0	0%	0
0	Yes	4.92	0.89	0	52,422	0	4.03	101	62341	2491	-10%	15.5
0	Yes	6.29	0.04	0	51,424	0	6.26	174	31683	1139	17%	33.1
2	Yes	6.49	0.30	0	162,956	0	6.19	212	51664	1149	-4%	12.1
3	Yes	10.19	1.45	0	114,234	0	8.75	179	2842	410	26%	32
0	Yes	1.06	0.07	0	9,938	0	0.99	51	727	185	-76%	3.1
1	Yes	1.64	1.39	0	-	0	0.25	3	27103	1656	-42%	3.8
0	Yes	0.66	0.53	0	-	0	0.13	10	3236	122	-35%	2.2
0	Yes	2.86	1.17	0	1,540	0	1.69	32	65895	2271	234%	21.4
0	Yes	5.94	3.24	0	40,231	0	2.70	25	4936	1255	11%	10.7
0	Yes	4.39	0.40	0	297	0	4.00	28	1216	323	62%	26.9
0	Yes	4.52	0.05	0	4,840	0	4.47	67	0	0	-12%	18.3
1	Yes	2.72	0.04	0	94,356	0	2.68	123	0	0	50%	8.7
0	Yes	3.23	0.39	0	6,590	0	2.84	166	167280	5579	149%	20.9
0	Yes	1.84	0.11	0	26,837	0	1.73	151	42240	1465	216%	19.6
0	Yes	1.64	0.14	0	114,102	0	1.49	135	7559	1548	-25%	8.3
0	Yes	2.13	0.10	0	4,856	0	2.03	120	0	0	13%	14.1
3	Yes	7.88	0.15	0	496,355	0	7.73	114	144219	3438	18%	14.9
0	Yes	2.71	0.18	0	93,115	0	2.53	61	36106	776	312%	23.9
0	Yes	0.95	0.14	0	-	0	0.81	5	0	0	-68%	6.3
0	Yes	1.15	0.07	0	15,734	0	1.08	15	0	0	-22%	7.6
0	Yes	0.16	0.08	0	419	0	0.09	0	0	0	-67%	1.4
0	Yes	2.87	0.35	0	10,777	0	2.52	63	0	0	-25%	9.7
1	Yes	5.11	0.78	0	63,789	0	4.34	90	27375	517	1%	17.2
0	Yes	2.35	0.00	0	4,113	0	2.35	42	103886	1463	7%	17.9
0	Yes	3.48	0.25	0	50,831	0	3.23	55	0	0	-33%	7.7
1	Yes	4.25	0.10	0	65,937	0	4.15	205	0	0	-60%	9.2
0	Yes	3.75	0.10	0	27,665	0	3.65	58	0	0	-45%	6.1

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13436	ESA	N/A	12.89	642	53,577	387	N/A	5.38	479	178	2	0
13438	SHA	N/A	1.01	99	5,299	64	N/A	22.49	2979	88039	409	0
13439	SHA	N/A	2.86	319	5,792	69	N/A	7.03	511	367	5	0
13440	SHA	N/A	3.31	9	996	13	N/A	9.37	531	256	4	0
13442	WHA	N/A	13.79	569	145,126	1,415	N/A	20.78	1562	26	1	1
13443	WHA	N/A	9.53	571	106,133	948	N/A	8.26	874	99957	450	0
13444	WHA	N/A	4.01	343	4,795	39	N/A	1.61	201	2424	19	0
13446	WSA	N/A	0.01	4	-	-	N/A	0.68	89	0	0	0
13447	WSA	N/A	1.64	49	6,360	81	N/A	1.09	50	0	0	0
13448	WSA	N/A	1.38	107	1,936	8	N/A	1.86	467	20658	177	0
13449	WSA	N/A	2.75	242	18,232	97	N/A	1.18	169	980	4	0
13450	WSA	N/A	0.60	24	8,792	92	N/A	1.93	62	1500	6	0
13451	WSA	N/A	0.17	1	-	-	N/A	2.47	95	326	1	0
13452	WSA	N/A	0.19	6	-	-	N/A	0.18	5	0	0	0
13453	WSA	N/A	0.35	5	775	7	N/A	4.93	23	2139	13	0
13454	ESA	N/A	4.28	232	102,274	575	N/A	12.23	1416	25560	135	0
13455	ESA	N/A	2.95	195	51,790	262	N/A	3.02	753	46	1	0
13456	ESA	N/A	1.74	142	90	3	N/A	3.01	807	5315	69	0
13457	ESA	N/A	2.21	106	16,703	91	N/A	5.15	689	12672	70	0
13458	ESA	N/A	14.86	444	264,814	594	N/A	4.24	68	0	0	1
13459	ESA	N/A	10.69	344	75,007	857	N/A	12.23	480	15905	75	1
13460	ESA	N/A	37.60	906	259,135	2,066	N/A	3.59	225	1495	17	25
13461	ESA	N/A	27.58	938	283,310	1,764	N/A	7.31	230	5090	32	20
13462	PCA	N/A	4.46	227	11,026	70	N/A	9.20	719	14650	145	0
13463	PCA	N/A	1.53	224	115,679	579	N/A	0.20	15	0	0	0
13464	PCA	N/A	3.79	254	15,836	130	N/A	1.08	170	0	0	0
13466	CSA	N/A	2.19	180	2,273	24	N/A	0.76	90	0	0	0
13467	CSA	N/A	0.00	0	-	-	N/A	0.46	4	869	4	0
13468	CSA	N/A	5.68	660	20,133	123	N/A	2.69	711	20545	81	1
13469	CSA	N/A	2.04	93	1,773	9	N/A	7.02	646	5155	27	0
13470	WHA	N/A	35.58	1153	18,057	177	N/A	5.19	266	1397	4	1
13471	WHA	N/A	3.72	333	13,343	68	N/A	3.76	289	1815	14	0
13473	WHA	N/A	13.43	532	9,114	79	N/A	3.42	161	0	0	1
13479	WHA	N/A	9.21	417	5,487	56	N/A	3.98	279	7	1	0
13480	WSA	N/A	0.76	9	594	1	N/A	11.53	1596	664	7	0
13481	WSA	N/A	0.00	0	-	-	N/A	6.55	748	14380	109	0
13482	WSA	N/A	0.88	11	-	-	N/A	15.63	1566	56138	276	0
13483	WSA	N/A	2.80	355	14,355	85	N/A	15.33	1188	25538	146	0
13484	WSA	N/A	0.20	4	6,488	28	N/A	10.48	1379	206	1	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
1	Yes	4.64	0.12	0	53,577	0	4.52	195	78977	1182	151%	21.6
0	Yes	5.40	3.54	0	5,299	0	1.86	12	0	0	101%	17.3
0	Yes	4.10	0.71	0	5,792	0	3.40	150	0	0	42%	29.6
0	Yes	7.17	1.33	0	996	0	5.84	17	109947	2471	-3%	22.1
0	Yes	2.96	0.21	0	145,126	2271	2.75	80	280167	4033	2%	17.6
0	Yes	3.17	0.05	0	106,133	0	3.12	64	66512	4665	-10%	20.9
0	Yes	2.49	0.23	0	4,795	0	2.26	120	35133	675	8%	15.7
0	Yes	1.25	1.25	0	-	0	0.00	0	0	0	-55%	3.5
0	Yes	0.92	0.13	0	6,360	0	0.78	16	8762	124	-18%	10.3
0	Yes	1.15	0.68	0	1,936	0	0.47	18	14180	600	389%	26.4
0	Yes	1.66	0.89	0	18,232	0	0.77	25	51310	912	-65%	14.9
0	Yes	2.20	1.00	0	8,792	0	1.20	40	0	0	-52%	7.1
0	Yes	1.19	0.31	0	-	0	0.89	11	0	0	-81%	5.7
0	Yes	0.76	0.15	0	-	0	0.61	29	0	0	-5%	3.9
0	Yes	3.39	2.92	0	775	0	0.47	12	0	0	11%	7.9
0	Yes	2.31	0.22	0	102,274	0	2.09	40	256821	5050	-41%	10.6
0	Yes	2.07	0.13	0	51,790	0	1.94	38	42904	1004	136%	21.5
0	Yes	2.47	0.70	0	90	0	1.77	37	0	0	-58%	6.6
0	Yes	2.55	0.07	0	16,703	0	2.48	67	0	0	-59%	4.7
0	Yes	8.38	0.71	0	264,814	0	7.68	92	0	0	-21%	5.9
1	Yes	6.38	1.68	0	75,007	0	4.70	105	418	264	128%	13
2	Yes	7.27	0.12	0	259,135	0	7.16	71	127209	2444	20%	26.6
1	Yes	6.87	0.17	0	283,310	0	6.70	104	26753	885	17%	12.3
0	Yes	3.95	0.29	0	11,026	0	3.66	70	40954	1029	-52%	9.9
0	Yes	2.94	0.02	0	115,679	0	2.92	65	8448	311	-69%	11.9
0	Yes	1.76	0.10	0	15,836	0	1.66	59	28792	487	-8%	33.3
0	Yes	1.76	0.12	0	2,273	0	1.64	68	0	0	14%	8
0	Yes	1.89	1.87	0	-	0	0.02	0	0	0	-41%	3
0	Yes	2.63	0.10	0	20,133	0	2.53	93	90614	4467	-71%	5.9
0	Yes	4.02	0.48	0	1,773	0	3.54	51	6677	98	-4%	8.2
2	Yes	6.61	0.26	0	18,057	0	6.35	107	139717	1670	2%	9.8
0	Yes	3.37	0.22	0	13,343	0	3.16	76	22270	733	32%	9.1
0	Yes	2.45	0.03	0	9,114	0	2.42	55	0	0	4%	8.1
1	Yes	4.75	0.05	0	5,487	0	4.70	96	0	0	-36%	5.6
0	Yes	0.99	0.05	0	594	0	0.94	6	0	0	42%	9.8
0	Yes	5.65	2.64	0	-	0	3.01	3	84908	2077	44%	9.1
1	Yes	2.43	0.56	0	-	1133	1.88	6	26374	404	21%	9.2
0	Yes	1.95	1.65	0	14,355	1642	0.30	3	0	0	-16%	7.3
0	Yes	3.78	0.73	0	6,488	0	3.05	23	0	0	4%	5.8

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13485	WSA	N/A	2.94	118	45,316	323	N/A	7.43	736	40802	327	0
13488	SHA	N/A	0.94	82	7,647	54	N/A	18.88	2492	163422	1056	0
13489	SHA	N/A	6.07	250	5,199	41	N/A	3.51	187	8667	49	0
13490	WSA	N/A	2.87	399	17,493	53	N/A	3.54	414	208	1	0
13491	WSA	N/A	2.74	98	4,193	33	N/A	9.69	1574	38367	246	0
13492	WSA	N/A	5.23	543	44,746	542	N/A	2.46	220	5470	53	0
13493	WSA	N/A	2.16	249	5,322	37	N/A	3.70	312	2864	53	0
13494	SHA	N/A	0.33	2	-	-	N/A	3.49	411	16469	200	0
13495	ESA	N/A	2.54	1015	25,743	156	N/A	2.37	676	1231	13	4
13496	CSA	N/A	1.11	70	9,130	32	N/A	1.77	123	36224	56	0
13497	CSA	N/A	0.00	0	-	-	N/A	1.08	124	0	0	0
13498	CSA	N/A	0.00	0	-	-	N/A	0.40	1	0	0	0
13499	CSA	N/A	0.09	0	-	-	N/A	0.74	47	0	0	0
13500	ESA	N/A	0.00	0	-	-	N/A		0	0	0	0
13501	ESA	N/A	0.90	13	-	-	N/A	2.03	59	950	4	0
13502	ESA	N/A	3.91	189	57,423	714	N/A	9.23	1427	29302	249	0
13504	ESA	N/A	0.14	3	78	1	N/A	1.25	12	0	0	0
13505	ESA	N/A	3.29	178	8,278	61	N/A	5.57	828	0	0	0
13506	ESA	N/A	2.60	80	1,635	11	N/A	4.30	556	0	0	0
13507	ESA	N/A	0.02	0	-	-	N/A	1.91	30	52	1	0
13509	ESA	N/A	6.66	285	14,449	105	N/A	10.73	1219	52994	361	0
13510	WSA	N/A	3.47	357	16,907	60	N/A	8.21	1097	16525	95	0
13511	WSA	N/A	3.34	378	62,712	357	N/A	4.01	292	0	0	0
13512	WSA	N/A	3.53	422	63,631	624	N/A	8.04	1354	72844	485	0
13513	WSA	N/A	0.86	25	-	-	N/A	1.48	240	6397	12	0
13514	WSA	N/A	1.89	221	6,455	29	N/A	3.54	344	0	0	0
13516	WSA	N/A	4.05	477	40,535	86	N/A	3.75	361	104778	939	0
13517	WSA	N/A	4.19	432	169,308	779	N/A	3.36	1007	26923	163	0
13518	WSA	N/A	0.37	25	-	-	N/A	0.23	2	0	0	0
13519	WSA	N/A	0.46	10	-	-	N/A	0.12	88	0	0	0
13520	WSA	N/A	1.34	132	1,333	11	N/A	2.65	401	46996	520	0
13521	WSA	N/A	0.01	0	-	-	N/A	1.71	15	0	0	0
13522	WSA	N/A	10.84	1334	50,016	592	N/A	0.55	174	0	0	0
13523	WSA	N/A	4.27	550	5,867	36	N/A	0.05	2	0	0	0
13524	WSA	N/A	0.90	108	131	1	N/A	1.25	100	0	0	0
13526	WSA	N/A	0.00	0	-	-	N/A		0	0	0	0
13530	WSA	N/A	5.50	852	57,877	267	N/A	0.00	0	0	0	0
13531	WSA	N/A	2.71	61	72,793	221	N/A	4.03	142	161	1	0
13532	WSA	N/A	4.22	346	128,082	1,065	N/A	1.03	68	4563	8	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
0	Yes	2.55	0.16	0	45,316	0	2.39	18	0	0	4%	7.1
0	Yes	3.40	0.83	0	7,647	0	2.57	205	304476	2784	8%	10.3
1	Yes	4.58	0.82	0	5,199	217	3.76	66	129649	2873	-66%	4.2
0	Yes	1.93	0.07	0	17,493	0	1.86	93	67850	985	6%	10.1
0	Yes	2.78	0.13	0	4,193	0	2.65	48	178029	1765	-47%	7.2
0	Yes	2.02	0.28	0	44,746	0	1.74	37	0	0	34%	10.3
0	Yes	1.98	0.38	0	5,322	0	1.60	90	0	0	-23%	6.1
0	Yes	2.44	0.86	0	-	0	1.59	8	0	0	-11%	6.7
0	Yes	1.69	0.31	0	25,743	0	1.38	136	0	0	-20%	18.2
0	Yes	3.92	2.08	0	9,130	0	1.84	12	0	0	-64%	7.6
0	Yes	2.59	2.19	0	-	0	0.40	4	0	0	-8%	8.9
0	Yes	0.77	0.77	0	-	0	0.00	0	0	0	32%	8.3
0	Yes	3.23	1.63	0	-	0	1.59	3	0	0	-27%	6.8
0	Yes	0.00		0	-	0		0	0	0	0%	
0	Yes	2.03	0.21	0	-	0	1.82	9	0	0	-56%	8.9
0	Yes	3.59	1.15	0	57,423	0	2.44	57	10073	1722	13%	18.1
0	Yes	1.89	1.05	0	78	0	0.83	2	0	0	-52%	4.8
0	Yes	2.81	1.36	0	8,278	0	1.45	45	49804	2154	-5%	9.8
0	Yes	3.66	1.30	0	1,635	0	2.36	23	0	0	-19%	6.6
0	Yes	1.55	1.38	0	-	0	0.17	0	0	0	-49%	7.8
0	Yes	4.29	0.90	0	14,449	0	3.39	47	57038	1447	-30%	13.1
0	Yes	1.84	0.07	0	16,907	0	1.77	37	0	0	53%	18.5
0	Yes	2.33	0.39	0	62,712	0	1.94	95	42577	791	270%	27
0	Yes	2.29	0.29	0	63,631	0	2.00	33	0	0	-49%	12.3
0	Yes	0.94	0.56	0	-	282	0.39	9	0	0	-5%	6.2
0	Yes	3.48	0.21	0	6,455	589	3.27	39	6494	679	-36%	5
0	Yes	1.89	0.12	0	40,535	0	1.77	74	0	0	-15%	5.3
0	Yes	1.75	0.07	0	169,308	0	1.69	19	73177	1466	-7%	8
0	Yes	1.27	0.33	0	-	0	0.94	55	0	0	28%	8.8
0	Yes	1.02	0.02	0	-	0	1.00	59	0	0	6%	5.3
0	Yes	2.22	0.52	0	1,333	0	1.70	50	0	0	48%	11.1
0	Yes	0.67	0.25	0	-	0	0.42	9	0	0	-31%	4.4
1	Yes	1.52	0.42	0	50,016	0	1.11	142	6053	1602	-35%	8.9
0	Yes	2.00	0.23	0	5,867	0	1.77	212	0	0	-4%	9.6
0	Yes	1.26	0.33	0	131	0	0.93	58	0	0	-67%	8.8
0	Yes	0.00		0	-	0		0	0	0	0%	
0	Yes	0.82	0.18	0	57,877	0	0.64	0	0	0	19%	8.6
0	Yes	3.06	0.84	0	72,793	0	2.22	31	11707	237	-33%	17.7
0	Yes	1.94	0.04	0	128,082	0	1.90	48	11576	481	68%	9.9

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13533	WSA	N/A	2.38	239	443	6	N/A	6.19	1476	9892	111	0
13535	WSA	N/A	5.25	283	135,843	2,367	N/A	15.02	1773	78906	885	3
13538	WSA	N/A	0.23	5	9,266	7	N/A	13.82	893	4816	41	0
13539	WSA	N/A	0.85	13	1,087	4	N/A	11.86	1012	17627	49	0
13540	WSA	N/A	0.21	5	565	1	N/A	6.74	692	0	0	0
13541	WSA	N/A	0.00	0	3,988	37	N/A	15.07	983	5555	8	0
13544	WSA	N/A	0.88	48	1,774	17	N/A	4.26	631	3400	21	0
13546	CSA	N/A	7.27	300	2,466	17	N/A	2.35	47	1372	1	0
13547	CSA	N/A	4.03	287	28,704	52	N/A	1.40	20	0	0	0
13551	CSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13552	CSA	N/A	2.75	47	47,025	131	N/A	1.10	21	0	0	0
13553	CSA	N/A	0.00	0	-	-	N/A	1.52	0	0	0	0
13554	CSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13560	CSA	N/A	0.00	0	-	-	N/A	0.95	2	0	0	0
13561	CSA	N/A	0.00	0	-	-	N/A	0.96	1	0	0	0
13562	CSA	N/A	0.00	0	-	-	N/A	1.40	1	0	0	0
13563	CSA	N/A	0.00	0	-	-	N/A	0.89	3	0	0	0
13564	CSA	N/A	0.00	0	-	-	N/A	0.49	4	0	0	0
13565	CSA	N/A	0.00	0	-	-	N/A	0.90	2	0	0	0
13566	CSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13567	CSA	N/A	0.00	0	-	-	N/A	0.03	0	0	0	0
13572	WSA	N/A	0.76	64	1,464	13	N/A	9.28	933	13805	130	0
13573	WSA	N/A	1.24	17	1,120	5	N/A	10.65	1039	10763	67	0
13574	WSA	N/A	2.98	232	4,251	58	N/A	5.49	592	1570	43	0
13575	WSA	N/A	0.45	14	2,680	79	N/A	5.43	588	6095	136	0
13576	ESA	N/A	2.92	216	7,162	32	N/A	13.91	1402	96431	320	0
13577	ESA	N/A	2.91	222	3,489	57	N/A	9.06	700	1411	11	0
13579	ESA	N/A	6.24	179	13,688	96	N/A	17.57	1356	29433	171	0
13582	WSA	N/A	5.97	170	22,030	189	N/A	15.26	1006	76894	211	0
13583	WSA	N/A	4.58	114	5,346	66	N/A	6.77	375	19330	104	0
13584	WSA	N/A	0.19	1	686	3	N/A	10.33	941	23604	124	0
13585	WSA	N/A	0.51	16	11,671	14	N/A	7.09	1381	0	0	0
13586	WSA	N/A	8.06	217	63,214	548	N/A	12.85	997	45246	271	0
13587	WSA	N/A	1.64	7	1,897	8	N/A	14.33	2136	84134	482	0
13589	WSA	N/A	0.52	10	6,424	12	N/A	9.74	966	964	2	0
13590	CSA	N/A	3.22	356	56,488	438	N/A	2.79	1182	28440	190	4
13591	CSA	N/A	8.10	1029	23,468	200	N/A	1.68	492	7156	31	0
13592	CSA	N/A	7.72	1164	86,199	375	N/A	0.64	15	0	0	0
13593	CSA	N/A	5.55	582	112,131	412	N/A	1.28	81	12246	50	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
0	Yes	2.86	0.02	0	443	0	2.84	101	0	0	-55%	7.3
1	Yes	2.14	0.08	0	135,843	0	2.06	98	0	0	14%	9.6
0	Yes	2.50	1.15	0	9,266	0	1.35	13	0	0	12%	9.3
0	Yes	2.02	0.12	0	1,087	0	1.91	11	0	0	2%	5.8
0	Yes	1.95	0.08	0	565	0	1.87	4	0	0	13%	11.4
0	Yes	1.45	1.45	0	3,988	0	0.00	0	89984	1069	33%	7.6
0	Yes	2.07	0.06	0	1,774	0	2.00	9	32673	721	-57%	3.9
0	Yes	4.37	0.33	0	2,466	0	4.05	73	0	0	4%	11.8
0	Yes	3.47	0.15	0	28,704	0	3.31	74	0	0	-34%	7
0	Yes	0.37	0.12	0	-	0	0.25	1	0	0	-75%	1.5
0	Yes	1.95	0.06	0	47,025	0	1.89	5	7459	183	44%	23.8
0	Yes	0.35	0.35	0	-	0	0.00	0	0	0	-7%	6.9
0	Yes	0.32	0.32	0	-	0	0.00	0	0	0	-13%	7.7
0	Yes	1.55	1.55	0	-	0	0.00	0	0	0	-3%	3.9
0	Yes	2.91	2.91	0	-	0	0.00	0	0	0	8%	4.3
0	Yes	1.86	1.86	0	-	0	0.00	0	21	1	5%	4.5
0	Yes	1.70	1.70	0	-	0	0.00	0	0	0	-9%	4
0	Yes	2.04	2.04	0	-	0	0.00	0	0	0	-2%	5.2
0	Yes	2.01	2.01	0	-	0	0.00	0	0	0	5%	4.2
0	Yes	0.00	0.00	0	-	0	0.00	0	0	0	0%	0
0	Yes	0.53	0.53	0	-	0	0.00	0	0	0	-20%	0.8
0	Yes	1.13	0.21	0	1,464	0	0.92	8	0	0	-3%	3.9
0	Yes	1.22	0.30	0	1,120	0	0.92	5	0	0	124%	11
0	Yes	1.90	0.16	0	4,251	0	1.74	51	43527	885	-11%	4.7
0	Yes	1.04	0.12	0	2,680	0	0.93	17	0	0	124%	12.1
0	Yes	4.79	0.40	0	7,162	0	4.39	127	51329	1771	14%	10.9
0	Yes	3.33	0.00	0	3,489	0	3.33	90	0	0	-27%	9.3
1	Yes	3.33	0.15	0	13,688	0	3.17	85	0	0	-17%	8.5
0	Yes	6.52	2.72	0	22,030	0	3.80	30	69670	1226	-17%	15.6
0	Yes	3.28	0.22	0	5,346	0	3.06	11	0	0	-79%	5.3
0	Yes	2.14	0.05	0	686	0	2.09	8	89886	1013	4%	7.8
0	Yes	1.65	0.44	0	11,671	0	1.21	11	54449	1431	-13%	8.1
0	Yes	3.35	0.70	0	63,214	0	2.64	29	0	0	31%	11.1
0	Yes	2.99	1.13	0	1,897	0	1.86	6	374619	9082	75%	18.5
0	Yes	4.58	1.89	0	6,424	0	2.69	6	128055	1002	341%	26.9
0	Yes	3.13	0.03	0	56,488	0	3.10	157	102217	1769	99%	21.3
0	Yes	4.46	0.14	0	23,468	0	4.33	236	0	0	-4%	9.2
1	Yes	2.01	0.13	0	86,199	0	1.88	84	5023	1578	-15%	8.2
0	Yes	2.56	0.14	0	112,131	0	2.42	115	0	0	28%	8.2

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13600	CSA	N/A	6.14	549	53,923	270	N/A	1.71	453	33109	538	0
13605	WSA	N/A	2.61	324	4,798	20	N/A	1.75	285	0	0	0
13606	WSA	N/A	0.74	30	-	-	N/A	0.39	179	0	0	0
13607	WSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13608	WSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13610	WSA	N/A	5.84	618	5,859	52	N/A	1.68	647	0	0	1
13611	WSA	N/A	3.24	355	145,778	288	N/A	0.20	394	2391	42	0
13612	WSA	N/A	7.80	984	152,563	623	N/A	1.02	322	12736	106	0
13613	WSA	N/A	5.36	710	33,594	273	N/A	0.86	274	4464	57	0
13614	WSA	N/A		0	-	-	N/A		0	0	0	0
13621	WSA	N/A	14.12	414	7,880	46	N/A	8.51	361	4865	49	2
13622	WSA	N/A	22.25	730	120,168	654	N/A	8.49	376	21283	187	3
13624	WSA	N/A	16.62	382	41,889	273	N/A	9.99	270	1078	8	0
13630	CSA	N/A	5.84	646	45,073	373	N/A	1.59	300	39833	243	14
13631	CSA	N/A	5.48	423	77,292	433	N/A	9.74	935	55262	388	6
13632	CSA	N/A	5.28	425	11,896	79	N/A	0.56	116	0	0	0
13633	CSA	N/A	2.37	91	6,784	68	N/A	6.42	889	8052	75	0
13635	WSA	N/A	0.08	0	-	-	N/A	2.38	28	0	0	0
13636	WSA	N/A	0.04	0	-	-	N/A	0.58	9	533	1	0
13637	WSA	N/A	1.14	45	-	-	N/A	0.75	92	0	0	0
13638	WSA	N/A	2.27	202	509	2	N/A	0.96	132	0	0	0
13639	WSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13640	WSA	N/A	0.00	0	-	-	N/A	2.37	10	0	0	0
13641	WSA	N/A	0.00	0	-	-	N/A	1.14	14	0	0	0
13642	WSA	N/A	0.00	0	-	-	N/A	0.32	2	0	0	0
13643	WSA	N/A	0.00	0	-	-	N/A	0.59	10	0	0	0
13645	SHA	N/A	7.18	160	9,881	130	N/A	28.01	2305	45025	682	10
13646	SHA	N/A	0.16	0	105	1	N/A	15.48	1447	0	0	0
13647	SHA	N/A	1.20	68	104	1	N/A	22.22	1883	1078	9	0
13648	SHA	N/A	25.43	393	27,579	200	N/A	8.94	328	0	0	2
13649	SHA	N/A	4.93	300	1,396	9	N/A	2.61	265	0	0	0
13650	SHA	N/A	0.00	0	-	-	N/A	10.36	993	9821	57	0
13651	SHA	N/A	3.18	147	51,783	939	N/A	14.53	1621	11864	71	0
13652	SHA	N/A	4.15	182	2,734	36	N/A	22.45	760	0	0	0
13655	PCA	N/A	7.35	302	12,600	141	N/A	6.44	577	8585	38	0
13656	PCA	N/A	39.47	1095	150,973	786	N/A	9.38	559	4500	17	10
13657	PCA	N/A	20.55	749	30,879	411	N/A	6.71	284	1404	4	0
13659	WHA	N/A	4.66	110	55,263	484	N/A	11.03	798	67869	212	0
13660	WHA	N/A	1.56	36	-	-	N/A	1.09	137	0	0	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
0	Yes	1.53	0.14	0	53,923	0	1.38	51	0	0	11%	11.3
0	Yes	0.86	0.20	0	4,798	0	0.66	21	28740	2269	21%	7
0	Yes	1.45	0.05	0	-	0	1.41	65	0	0	-86%	7.1
0	Yes	0.00	0.00	0	-	0	0.00	0	0	0	34%	11.5
0	Yes	0.00	0.00	0	-	0	0.00	0	0	0	21%	23.2
0	Yes	1.31	0.23	0	5,859	0	1.08	53	0	0	8%	12.1
0	Yes	0.91	0.16	0	145,778	0	0.75	20	109384	779	-2%	5
0	Yes	1.35	0.14	0	152,563	0	1.21	43	0	0	-9%	6.2
0	Yes	1.49	0.26	0	33,594	0	1.23	87	0	0	-37%	5.7
0	Yes	0.00		0	-	0		0	0	0	0%	
1	Yes	2.25	0.02	0	7,880	0	2.23	18	253122	1523	52%	29.1
0	Yes	2.97	0.06	0	120,168	0	2.91	25	550477	6958	150%	31.8
1	Yes	3.36	0.04	0	41,889	0	3.31	40	0	0	-64%	4.9
1	Yes	3.70	0.36	0	45,073	0	3.34	218	113350	2412	69%	18.1
1	Yes	2.29	0.32	0	77,292	0	1.97	90	45839	594	-52%	8.3
0	Yes	2.15	0.09	0	11,896	0	2.07	89	11381	643	11%	6.2
0	Yes	3.62	0.15	0	6,784	0	3.46	118	0	0	-17%	6.4
0	Yes	2.81	1.39	0	-	0	1.42	9	0	0	-1%	9.1
0	Yes	1.88	0.74	0	-	0	1.14	5	194	15	-1%	6.8
0	Yes	2.05	0.28	0	-	0	1.77	26	0	0	-17%	5.2
0	Yes	1.86	0.51	0	509	0	1.35	30	0	0	-22%	5.7
0	Yes	0.42	0.42	0	-	0	0.00	0	0	0	0%	0
0	Yes	3.16	3.16	0	-	0	0.00	0	0	0	-5%	10.1
0	Yes	3.50	3.50	0	-	0	0.00	0	0	0	-45%	4.2
0	Yes	2.60	2.60	0	-	0	0.00	0	0	0	20%	7.1
0	Yes	2.71	2.71	0	-	0	0.00	0	0	0	113%	6.8
0	Yes	6.67	2.24	0	9,881	0	4.43	30	118427	2656	-1%	19.3
0	Yes	4.70	1.57	0	105	0	3.13	7	0	0	-54%	8.6
0	Yes	4.89	4.12	0	104	0	0.77	13	0	0	-1%	9.5
0	Yes	5.53	0.05	0	27,579	0	5.49	89	64308	932	-23%	10.8
0	Yes	1.72	0.12	0	1,396	0	1.60	44	0	0	-71%	3
0	Yes	2.88	1.66	0	-	0	1.22	2	0	0	-23%	5
0	Yes	6.55	1.57	0	51,783	0	4.98	48	138446	2180	-18%	15.5
0	Yes	5.70	2.98	0	2,734	0	2.73	17	0	0	-42%	13.6
0	Yes	3.21	0.08	0	12,600	0	3.12	66	0	0	-51%	4
0	Yes	8.85	0.34	0	150,973	0	8.51	153	262740	2986	14%	9.8
1	Yes	2.67	0.17	0	30,879	0	2.50	109	0	0	-45%	6.5
0	Yes	2.84	0.03	0	55,263	0	2.81	60	50754	1984	-8%	9.5
0	Yes	2.88	0.17	0	-	0	2.71	6	0	0	-28%	3.4

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13661	WHA	N/A	7.90	349	8,252	42	N/A	16.76	1167	12314	57	0
13668	PCA	N/A	9.14	288	9,869	42	N/A	16.10	1185	21871	105	1
13669	WSA	N/A	2.48	162	76,606	484	N/A	10.57	1072	55937	231	0
13670	WSA	N/A	1.21	5	18,017	228	N/A	7.16	608	20582	164	0
13671	WSA	N/A	0.11	0	-	-	N/A	11.74	1613	39982	182	0
13672	WSA	N/A	4.04	263	79,858	396	N/A	12.23	2349	46005	304	0
13673	WSA	N/A	1.07	6	-	-	N/A	10.40	1012	3532	56	0
13674	WSA	N/A	1.04	4	12,606	96	N/A	9.99	1223	2408	7	0
13677	WSA	N/A	4.74	80	6,822	8	N/A	17.70	831	18437	78	0
13678	WSA	N/A	4.90	100	7,510	78	N/A	16.52	2060	59032	337	0
13679	WSA	N/A	9.34	326	35,180	303	N/A	16.01	834	23492	68	0
13685	ESA	N/A	2.42	99	8,435	30	N/A	17.65	1269	12383	80	0
13686	ESA	N/A	3.11	86	75,340	720	N/A	14.99	1154	20364	93	1
13687	ESA	N/A	16.30	519	176,657	1,116	N/A	12.74	904	155	2	0
13690	ESA	N/A	1.76	84	86,566	444	N/A	11.61	752	0	0	0
13691	ESA	N/A	0.90	27	36,702	382	N/A	10.99	868	54042	671	0
13692	ESA	N/A	1.24	24	875	7	N/A	6.61	624	23679	187	0
13693	ESA	N/A	4.83	182	17,005	181	N/A	7.50	627	27810	432	0
13695	WHA	N/A	17.62	1056	47,659	404	N/A	3.87	360	11258	24	0
13696	WHA	N/A	13.58	1246	59,412	517	N/A	1.71	105	0	0	20
13697	WHA	N/A	0.52	21	333	2	N/A	0.27	3	0	0	0
13698	WHA	N/A	16.92	999	73,429	374	N/A	2.31	20	0	0	0
13699	WHA	N/A	5.80	291	3,868	79	N/A	9.83	971	21818	230	0
13705	ESA	N/A	8.68	493	39,398	142	N/A	11.26	907	26392	151	0
13706	ESA	N/A	3.79	184	28,388	176	N/A	10.84	1426	50218	809	0
13707	ESA	N/A	1.31	59	2,243	14	N/A	8.37	1068	19781	120	0
13708	ESA	N/A	1.66	66	96,648	1,471	N/A	12.57	1356	7871	103	0
13709	ESA	N/A	6.19	518	70,851	401	N/A	7.90	528	2463	19	0
13710	ESA	N/A	6.68	317	34,818	238	N/A	15.33	2302	38964	174	1
13711	ESA	N/A	1.24	7	-	-	N/A	17.15	2544	11947	69	2
13712	ESA	N/A	8.46	406	61,643	899	N/A	6.06	522	0	0	0
13713	CSA	N/A	0.00	0	3,356	22	N/A	26.99	2046	43395	263	0
13714	CSA	N/A	0.02	0	98	1	N/A	10.34	1819	20955	207	0
13715	CSA	N/A	0.10	1	445	1	N/A	13.46	1216	18857	220	0
13716	CSA	N/A	0.02	0	-	-	N/A	7.20	430	178	1	0
13717	CSA	N/A	2.08	4	27,700	219	N/A	20.92	555	0	0	0
13718	CSA	N/A	0.01	0	-	-	N/A	18.89	1008	172	1	0
13719	CSA	N/A	0.01	0	-	-	N/A	5.79	823	411	3	0
13722	PCA	N/A	9.81	379	10,568	70	N/A	1.89	64	132	1	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
0	Yes	4.76	1.17	0	8,252	0	3.60	44	0	0	14%	12.5
0	Yes	3.11	1.99	0	9,869	0	1.13	20	8915	300	15%	8.5
0	Yes	2.30	0.27	0	76,606	0	2.03	37	138733	2228	-1%	21.6
0	Yes	0.90	0.11	0	18,017	0	0.79	1	0	0	68%	11.1
0	Yes	3.17	1.73	0	-	0	1.44	20	0	0	33%	11.7
1	Yes	4.34	0.83	0	79,858	0	3.50	17	0	0	4%	9.7
0	Yes	3.19	1.04	0	-	0	2.14	9	29457	1033	30%	9
1	Yes	4.27	1.45	0	12,606	0	2.82	10	50939	2496	20%	13.1
1	Yes	6.24	3.51	0	6,822	0	2.73	15	134789	3023	72%	18.2
0	Yes	3.11	0.29	0	7,510	0	2.82	15	83189	2255	-26%	18.4
1	Yes	4.83	0.47	0	35,180	0	4.35	72	117655	1053	-51%	11.4
0	Yes	4.65	1.89	0	8,435	0	2.75	61	0	0	10%	12.6
1	Yes	2.80	0.13	0	75,340	0	2.68	73	0	0	-2%	11.7
1	Yes	6.42	0.19	0	176,657	0	6.23	175	145492	4191	-3%	10.6
0	Yes	2.85	1.29	0	86,566	0	1.56	28	0	0	176%	20.7
0	Yes	3.17	0.73	0	36,702	0	2.44	14	0	0	-38%	7.2
0	Yes	2.17	0.16	0	875	0	2.01	14	43395	669	115%	10.1
0	Yes	3.68	0.99	0	17,005	0	2.69	57	72022	874	95%	19.7
0	Yes	2.07	0.04	0	47,659	0	2.03	74	176484	1540	-32%	12.4
0	Yes	4.56	0.14	0	59,412	0	4.41	196	593594	9255	19%	24.8
0	Yes	2.33	0.36	0	333	0	1.97	22	5545	47	-92%	2
1	Yes	5.43	0.66	0	73,429	0	4.78	97	0	0	-4%	11.3
0	Yes	2.14	0.51	0	3,868	0	1.63	10	88223	1299	-64%	7.2
1	Yes	3.16	0.14	0	39,398	0	3.02	53	62404	1496	-26%	7.2
0	Yes	2.80	0.22	0	28,388	0	2.57	55	0	0	211%	23.6
0	Yes	3.42	0.92	0	2,243	0	2.50	23	90276	2127	4%	5.3
0	Yes	4.02	0.73	0	96,648	476	3.29	22	466708	5397	-58%	11.1
0	Yes	2.66	0.12	0	70,851	0	2.54	48	0	0	15%	9.3
1	Yes	3.14	0.27	0	34,818	0	2.87	66	21257	2712	-47%	10.2
1	Yes	4.27	1.03	0	-	0	3.24	13	181784	2613	46%	14
0	Yes	5.74	0.92	0	61,643	0	4.82	137	0	0	-39%	10.3
0	Yes	4.23	3.58	0	3,356	0	0.65	3	0	0	-48%	10.7
0	Yes	3.81	2.09	0	98	0	1.72	0	0	0	15%	6.9
0	Yes	4.14	2.20	0	445	0	1.94	4	72436	1240	-25%	7.9
0	Yes	4.28	0.68	0	-	0	3.60	58	0	0	-4%	14.3
0	Yes	4.68	0.49	0	27,700	0	4.19	20	0	0	-33%	17.2
0	Yes	3.61	2.52	0	-	0	1.09	0	0	0	6%	6.7
0	Yes	2.86	1.68	0	-	0	1.18	6	0	0	15%	10.5
0	Yes	3.45	0.02	0	10,568	0	3.44	87	20481	541	15%	11.8

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13723	PCA	N/A	16.47	535	124,734	1,877	N/A	13.04	763	44211	308	0
13724	PCA	N/A	28.69	733	47,679	319	N/A	11.63	566	3958	20	0
13729	ESA	N/A	2.28	36	11,180	83	N/A	12.66	958	16355	112	0
13731	ESA	N/A	0.08	2	-	-	N/A	10.95	885	164748	972	0
13732	ESA	N/A	0.10	17	342	1	N/A	16.55	1236	15527	195	0
13733	ESA	N/A	1.68	4	-	-	N/A	22.82	1355	4514	48	0
13737	WSA	N/A	4.01	475	8,364	35	N/A	0.61	107	0	0	0
13738	WSA	N/A	1.75	160	13,494	60	N/A	2.13	420	0	0	0
13739	WSA	N/A	0.85	55	796	5	N/A	0.83	119	10246	101	0
13740	WSA	N/A	10.46	1248	84,352	688	N/A	0.18	4	0	0	1
13745	WSA	N/A	1.60	34	4,620	16	N/A	16.80	1777	38713	174	0
13747	WSA	N/A	1.46	123	13,974	165	N/A	2.52	468	21111	59	0
13748	WSA	N/A	4.34	335	39,765	133	N/A	7.94	755	21404	166	3
13749	WSA	N/A	1.80	207	5,601	21	N/A	9.64	1173	13379	97	0
13750	WSA	N/A	1.70	73	2,160	13	N/A	6.14	659	67354	131	0
13753	WSA	N/A	3.85	570	46,448	195	N/A	0.09	8	0	0	0
13754	WSA	N/A	7.46	1159	93,565	489	N/A	1.06	251	0	0	4
13756	WSA	N/A	2.99	806	219,608	1,781	N/A	1.43	909	9819	104	0
13761	WSA	N/A	0.38	6	86	1	N/A	1.65	1025	13692	154	0
13762	WSA	N/A	0.15	4	-	-	N/A	1.57	26	0	0	0
13763	WSA	N/A	0.00	0	-	-	N/A	0.03	0	0	0	0
13764	WSA	N/A	0.16	0	105	1	N/A	1.39	463	0	0	0
13765	WSA	N/A	0.00	0	-	-	N/A	0.22	14	0	0	0
13766	WSA	N/A	0.00	0	-	-	N/A	0.94	10	0	0	0
13769	WHA	N/A	16.64	359	13,214	192	N/A	14.55	844	28968	152	0
13770	WHA	N/A	4.00	198	106,375	450	N/A	22.64	1531	51798	273	0
13772	WHA	N/A	15.59	637	14,429	95	N/A	13.83	623	452	4	1
13777	SHA	N/A	2.15	245	15,010	84	N/A	12.32	756	57179	357	4
13780	SHA	N/A	7.11	642	59,685	359	N/A	9.90	743	36087	229	0
13781	SHA	N/A	1.97	72	55,078	374	N/A	14.91	1352	31385	61	0
13785	PCA	N/A	28.41	298	64,525	401	N/A	7.57	62	407	3	2
13786	PCA	N/A	43.53	698	37,441	216	N/A	2.04	27	588	9	1
13787	PCA	N/A	41.47	813	50,399	281	N/A	8.48	111	8917	14	0
13793	ESA	N/A	3.72	179	30,926	153	N/A	12.81	1429	16100	263	3
13795	ESA	N/A	4.34	140	19,861	137	N/A	14.69	1097	8741	83	0
13796	ESA	N/A	5.90	157	23,299	263	N/A	9.21	1177	0	0	0
13797	ESA	N/A	4.66	182	7,764	96	N/A	16.25	1241	12609	112	0
13798	ESA	N/A	3.48	182	6,844	90	N/A	10.01	1024	20768	216	0
13799	ESA	N/A	2.67	111	3,626	29	N/A	11.60	1674	20678	124	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
1	Yes	5.84	0.08	0	124,734	0	5.76	61	167945	3508	-53%	8.1
1	Yes	6.23	0.07	0	47,679	0	6.15	128	151134	5936	10%	8
0	Yes	2.56	0.18	0	11,180	0	2.38	14	0	0	-13%	6.5
0	Yes	2.33	1.03	0	-	0	1.29	3	0	0	-54%	4.5
0	Yes	1.96	1.80	0	342	0	0.16	0	0	0	-4%	7.4
0	Yes	5.90	3.19	0	-	0	2.72	5	0	0	-37%	9.1
0	Yes	2.51	0.17	0	8,364	0	2.34	169	3302	777	3%	9.3
0	Yes	2.39	0.96	0	13,494	0	1.43	69	0	0	1%	7.3
0	Yes	1.75	0.64	0	796	0	1.12	24	0	0	-61%	3.7
0	Yes	1.39	0.29	0	84,352	0	1.10	83	0	0	5%	6.8
0	Yes	1.68	0.00	0	4,620	0	1.68	14	0	0	-16%	11.6
0	Yes	1.57	0.22	0	13,974	0	1.35	37	0	0	-35%	3.5
1	Yes	3.82	0.39	0	39,765	0	3.43	64	49208	1616	-12%	7.4
0	Yes	2.15	0.31	0	5,601	0	1.84	41	0	0	-29%	5.6
0	Yes	1.70	0.31	0	2,160	0	1.39	13	45978	700	-52%	4.7
0	Yes	1.87	0.05	0	46,448	0	1.82	183	0	0	9%	10.6
0	Yes	0.74	0.13	0	93,565	0	0.61	43	0	0	-55%	7.7
0	Yes	1.13	0.14	0	219,608	0	0.99	92	63363	1684	48%	12.9
0	Yes	1.65	0.65	0	86	0	1.00	15	3142	1201	-70%	6.9
0	Yes	3.04	2.02	0	-	0	1.02	13	0	0	98%	18.4
0	Yes	0.53	0.53	0	-	0	0.00	0	0	0	-4%	6.8
0	Yes	0.88	0.12	0	105	0	0.75	9	0	0	69%	16.7
0	Yes	0.86	0.86	0	-	0	0.00	0	0	0	6%	10
0	Yes	1.96	1.96	0	-	0	0.00	0	0	0	-61%	3.9
1	Yes	7.20	1.59	0	13,214	0	5.61	41	3589	1267	-43%	6.7
0	Yes	4.00	0.40	0	106,375	0	3.61	103	448401	3766	-40%	9.9
2	Yes	14.56	6.40	0	14,429	0	8.17	101	0	0	-15%	8.3
0	Yes	4.58	2.24	0	15,010	0	2.34	103	0	0	-6%	5.8
0	Yes	2.17	0.55	0	59,685	0	1.63	68	0	0	35%	14
0	Yes	4.97	0.19	0	55,078	0	4.78	21	363369	9054	70%	15.6
0	Yes	3.40	0.39	0	64,525	0	3.01	21	0	0	-63%	4.4
1	Yes	5.57	0.56	0	37,441	0	5.01	87	135811	1229	-42%	4.6
1	Yes	8.90	0.21	0	50,399	0	8.69	148	231011	1689	38%	15.5
1	Yes	3.16	0.72	0	30,926	0	2.44	54	0	0	-31%	7.9
1	Yes	3.55	0.14	0	19,861	0	3.41	60	6727	1302	-21%	13.2
0	Yes	4.11	0.54	0	23,299	0	3.57	44	0	0	22%	11.3
0	Yes	2.84	0.06	0	7,764	0	2.78	57	0	0	-52%	9.1
0	Yes	2.09	0.25	0	6,844	0	1.84	23	0	0	67%	20.2
0	Yes	2.80	0.29	0	3,626	0	2.51	49	0	0	-7%	8.7

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13805	PCA	N/A	46.48	1036	62,735	1,357	N/A	4.79	73	0	0	9
13807	PCA	N/A	35.35	985	104,855	678	N/A	2.73	80	16466	42	0
13808	PCA	N/A	102.59	1742	158,055	778	N/A	5.83	109	1311	7	16
13813	DCA	N/A	44.30	676	69,682	512	N/A	7.27	98	898	7	25
13815	DCA	N/A	38.46	495	51,804	297	N/A	7.34	99	0	0	3
13817	SHA	N/A	19.27	752	51,897	311	N/A	20.24	1591	1531	42	0
13818	SHA	N/A	1.73	6	-	-	N/A	5.62	494	0	0	0
13819	SHA	N/A	0.48	1	-	-	N/A	0.88	17	0	0	0
13820	SHA	N/A	2.75	65	1,245	6	N/A	0.86	47	2356	16	0
13825	CSA	N/A	7.10	744	77,604	310	N/A	2.11	612	37175	158	0
13826	CSA	N/A	3.68	218	26,367	597	N/A	6.04	1428	17900	180	4
13827	CSA	N/A	3.99	345	22,698	282	N/A	3.48	380	0	0	0
13828	CSA	N/A	5.88	436	9,653	65	N/A	3.32	841	1742	28	4
13829	CSA	N/A	1.03	39	3,159	36	N/A	8.27	779	25481	171	0
13830	CSA	N/A	3.69	291	17,754	60	N/A	5.84	296	6882	62	7
13831	CSA	N/A	0.62	132	151,193	398	N/A	5.54	1096	11336	89	0
13832	CSA	N/A	2.98	240	19,591	74	N/A	1.37	147	9485	38	0
13833	CSA	N/A	0.00	0	-	-	N/A	0.02	0	0	0	0
13834	CSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13835	CSA	N/A	5.61	547	101,251	282	N/A	2.93	684	104	1	0
13836	CSA	N/A	4.24	161	66,555	502	N/A	12.23	533	18444	104	0
13837	CSA	N/A	4.04	412	99,669	297	N/A	7.70	610	15694	75	0
13838	CSA	N/A	9.39	613	68,642	805	N/A	6.58	971	43201	149	19
13839	CSA	N/A	6.71	313	107,668	856	N/A	15.95	741	4874	58	0
13840	CSA	N/A	7.27	322	57,373	226	N/A	9.85	1519	29386	227	0
13843	CSA	N/A	0.22	0	-	-	N/A	0.15	0	0	0	0
13844	CSA	N/A	0.35	4	-	-	N/A	2.72	626	5940	24	0
13845	CSA	N/A	0.00	0	-	-	N/A	3.94	0	0	0	0
13850	PCA	N/A	0.08	2	-	-	N/A	14.02	869	43863	159	0
13853	PCA	N/A	2.12	20	7,469	56	N/A	27.27	1297	52592	311	0
13854	PCA	N/A	13.70	1034	184,950	1,279	N/A	14.86	1471	30288	89	13
13858	CSA	N/A	0.00	0	-	-	N/A	0.24	0	0	0	0
13860	WSA	N/A	1.82	41	5,911	123	N/A	7.92	971	5906	54	0
13863	WSA	N/A	0.76	15	150	5	N/A	7.33	687	3389	49	0
13864	WSA	N/A	2.21	96	104,612	471	N/A	1.82	264	908	8	0
13865	WSA	N/A	3.01	132	2,915	25	N/A	15.46	1466	0	0	0
13866	WSA	N/A	3.74	148	1,876	4	N/A	4.33	285	0	0	0
13867	WSA	N/A	2.09	110	7,227	215	N/A	1.90	91	0	0	0
13869	WSA	N/A	0.16	4	9,513	46	N/A	5.94	557	15037	82	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
1	Yes	5.56	0.02	0	62,735	0	5.54	81	25679	1230	51%	23.1
1	Yes	6.44	0.10	0	104,855	0	6.35	135	73945	1578	3%	18.6
3	Yes	14.91	0.24	0	158,055	0	14.67	168	97056	2085	-61%	10.9
0	Yes	5.12	0.03	0	69,682	0	5.10	49	4473	852	-13%	6.5
0	Yes	6.69	0.26	0	51,804	0	6.42	35	78661	3079	-83%	23.7
1	Yes	8.05	1.84	0	51,897	0	6.21	97	0	0	-30%	20.6
0	Yes	4.78	1.22	0	-	0	3.57	4	0	0	-18%	7.4
0	Yes	2.44	0.53	0	-	0	1.91	5	0	0	0%	1.8
0	Yes	2.57	1.43	0	1,245	0	1.15	10	0	0	-57%	2.2
1	Yes	2.57	0.02	0	77,604	77	2.55	150	170422	3019	59%	9.7
1	Yes	4.25	1.62	0	26,367	0	2.63	102	0	0	120%	17.4
0	Yes	1.15	0.03	0	22,698	0	1.11	41	0	0	57%	9.4
1	Yes	1.58	0.15	0	9,653	0	1.44	32	0	0	22%	8.4
0	Yes	3.27	0.05	0	3,159	0	3.22	19	0	0	56%	8.1
2	Yes	2.96	0.00	0	17,754	0	2.96	62	56238	2089	-12%	9.5
0	Yes	1.43	0.03	0	151,193	0	1.40	69	172328	1345	126%	9.5
0	Yes	1.47	0.85	0	19,591	0	0.62	13	0	0	64%	9.2
0	Yes	0.07	0.07	0	-	0	0.00	0	0	0	-11%	7.8
0	Yes	0.11	0.11	0	-	0	0.00	0	0	0	-15%	6
0	Yes	1.42	0.02	0	101,251	0	1.40	28	96781	1266	-32%	7.5
0	Yes	1.69	0.07	0	66,555	0	1.61	26	0	0	-30%	6.4
0	Yes	2.69	0.53	0	99,669	0	2.17	60	0	0	-54%	8.4
1	Yes	5.25	0.16	0	68,642	0	5.09	203	1115	24	-16%	10.3
1	Yes	5.58	0.12	0	107,668	0	5.46	100	199604	1663	-11%	13.6
0	Yes	7.31	0.07	0	57,373	0	7.24	170	332355	14343	52%	23.5
0	Yes	1.65	1.22	0	-	0	0.42	0	0	0	-32%	5.9
0	Yes	2.60	0.77	0	-	0	1.83	9	30629	639	-27%	12.7
0	Yes	0.41	0.41	0	-	0	0.00	0	0	0	200%	10.2
0	Yes	1.81	0.74	0	-	0	1.07	1	0	0	94%	12.4
0	Yes	4.45	2.91	0	7,469	0	1.54	8	0	0	7%	26.8
1	Yes	6.31	0.81	0	184,950	0	5.49	89	121563	5387	-6%	15
0	Yes	0.43	0.43	0	-	0	0.00	0	0	0	17%	10.2
0	Yes	1.54	0.05	0	5,911	0	1.49	9	0	0	-14%	5.5
0	Yes	1.53	0.62	0	150	0	0.91	12	0	0	6%	3.8
0	Yes	2.62	0.16	0	104,612	0	2.46	66	0	0	126%	16.7
0	Yes	4.57	0.65	0	2,915	0	3.92	35	57310	1666	-3%	8.7
0	Yes	3.35	0.16	0	1,876	0	3.19	26	0	0	-15%	10.7
0	Yes	1.91	0.19	0	7,227	0	1.72	38	0	0	-35%	6.2
0	Yes	1.11	0.12	0	9,513	0	0.99	4	0	0	77%	10.8

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13870	WSA	N/A	3.41	61	358,477	459	N/A	14.41	1732	62616	320	0
13871	WSA	N/A	0.33	1	-	-	N/A	8.09	964	26844	193	0
13872	WSA	N/A	0.00	0	9,247	437	N/A	11.40	911	5442	52	0
13873	WSA	N/A	2.28	40	69,474	348	N/A	15.27	1365	35614	168	0
13878	ESA	N/A	1.99	43	27,278	92	N/A	8.78	1458	40784	285	0
13879	ESA	N/A	0.27	7	12,415	131	N/A	8.63	2222	82661	241	0
13880	ESA	N/A	0.17	1	-	-	N/A	8.14	1627	92	1	0
13881	ESA	N/A	0.00	0	-	-	N/A	1.62	118	401	2	0
13882	ESA	N/A	0.00	0	-	-	N/A	1.11	106	94	1	0
13883	ESA	N/A	1.22	30	486	4	N/A	4.59	1318	0	0	0
13884	ESA	N/A	0.33	0	139,807	428	N/A	11.48	1568	34559	358	0
13885	ESA	N/A	0.60	8	3,409	27	N/A	9.93	1163	19163	56	0
13886	WSA	N/A	0.00	0	-	-	N/A	11.73	1114	15102	119	0
13888	WSA	N/A	0.83	16	270	1	N/A	11.66	1140	5909	61	0
13889	WSA	N/A	6.84	264	62,153	1,158	N/A	13.59	1402	29883	125	1
13890	WSA	N/A	0.69	23	1,094	2	N/A	7.04	651	36935	100	0
13891	WSA	N/A	0.01	0	82,151	533	N/A	17.12	1345	25046	178	0
13892	WSA	N/A	1.73	62	205,429	1,042	N/A	7.28	869	1130	2	0
13895	WSA	N/A	0.77	74	4,806	25	N/A	2.16	229	0	0	0
13896	SHA	N/A	7.79	708	58,215	308	N/A	6.86	782	53	1	0
13897	SHA	N/A	3.44	20	3,755	23	N/A	11.55	783	5683	14	0
13898	SHA	N/A	1.49	14	2,213	18	N/A	27.39	1976	22536	64	0
13899	SHA	N/A	7.09	429	177,572	1,855	N/A	6.18	605	0	0	0
13900	SHA	N/A	2.51	34	4,702	53	N/A	22.80	1917	37035	289	0
13906	ESA	N/A	6.75	332	58,084	423	N/A	3.41	345	212	1	0
13909	ESA	N/A	7.46	497	43,363	275	N/A	3.19	61	1025	10	7
13910	ESA	N/A	7.85	334	108,094	1,507	N/A	9.80	703	5559	10	8
13911	ESA	N/A	6.62	505	98,023	1,080	N/A	6.10	715	685	9	0
13916	WHA	N/A	2.30	123	55,330	417	N/A	12.45	1588	26294	221	0
13918	WHA	N/A	1.90	89	10,459	135	N/A	10.54	707	29937	210	0
13919	WHA	N/A	0.01	0	-	-	N/A	1.04	36	0	0	0
13920	WHA	N/A	1.89	66	202,369	1,249	N/A	11.38	1498	85345	238	0
13921	WHA	N/A	2.43	143	16,074	65	N/A	6.22	580	5069	66	0
13922	WHA	N/A	0.37	10	-	-	N/A	32.82	1921	402	3	0
13924	WHA	N/A	46.50	398	14,840	151	N/A	2.10	36	137	1	0
13927	WHA	N/A	25.97	714	38,369	251	N/A	11.53	1076	8913	134	1
13928	WHA	N/A	0.00	0	-	-	N/A		0	0	0	0
13929	SHA	N/A	0.00	0	-	-	N/A		0	0	0	0
13930	SHA	N/A	0.00	0	-	-	N/A		0	0	0	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
0	Yes	2.32	0.06	0	358,477	0	2.26	27	0	0	19%	8.3
0	Yes	1.73	0.33	0	-	0	1.40	10	0	0	-11%	4.2
0	Yes	1.52	1.44	0	9,247	923	0.08	0	0	0	26%	11.2
0	Yes	0.74	0.02	0	69,474	0	0.72	5	0	0	1%	9.5
0	Yes	2.62	0.41	0	27,278	0	2.20	23	0	0	45%	21.2
0	Yes	2.73	1.72	0	12,415	0	1.01	2	177494	5393	99%	15.1
0	Yes	2.52	1.35	0	-	0	1.17	7	0	0	-6%	8.1
0	Yes	1.78	1.18	0	-	0	0.60	2	0	0	-39%	4.4
0	Yes	1.26	1.26	0	-	0	0.00	0	0	0	-64%	3.1
0	Yes	2.24	0.53	0	486	0	1.71	28	53737	1421	-28%	6.4
0	Yes	2.23	0.28	0	139,807	0	1.95	10	0	0	3%	6.9
0	Yes	2.50	0.77	0	3,409	0	1.72	9	0	0	6%	10.6
0	Yes	2.03	1.62	0	-	0	0.41	1	0	0	-21%	5.9
0	Yes	2.57	0.45	0	270	0	2.12	8	0	0	-16%	7.3
0	Yes	3.29	0.33	0	62,153	0	2.97	61	0	0	4%	14.3
0	Yes	1.17	0.07	0	1,094	0	1.10	42	73936	1451	-48%	6
0	Yes	2.21	1.50	0	82,151	0	0.71	12	0	0	-16%	8
0	Yes	2.68	0.12	0	205,429	0	2.56	15	0	0	-32%	7.1
0	Yes	2.22	0.08	0	4,806	0	2.14	13	96263	970	13%	9.5
0	Yes	5.08	2.22	0	58,215	0	2.86	56	2755	1722	-28%	11.3
0	Yes	5.80	3.18	0	3,755	0	2.62	8	0	0	-58%	9.8
1	Yes	9.63	5.15	0	2,213	1074	4.48	5	253994	8502	51%	33.7
0	Yes	3.95	0.11	0	177,572	0	3.84	98	115522	2504	-56%	6.3
0	Yes	6.13	1.06	0	4,702	0	5.06	17	0	0	158%	19.1
0	Yes	2.77	0.11	0	58,084	0	2.66	50	59209	758	-25%	6.3
1	Yes	2.72	0.24	0	43,363	0	2.48	90	0	0	-23%	8.9
2	Yes	2.60	0.08	0	108,094	0	2.52	107	0	0	-10%	5.7
0	Yes	2.05	0.08	0	98,023	0	1.97	56	35642	1304	37%	7.8
0	Yes	1.40	0.00	0	55,330	0	1.40	16	0	0	-37%	6.7
0	Yes	2.51	0.18	0	10,459	0	2.33	15	39134	821	-6%	14.6
0	Yes	0.83	0.25	0	-	0	0.58	11	0	0	-49%	2.2
0	Yes	2.06	0.32	0	202,369	0	1.74	10	0	0	-21%	7.7
0	Yes	1.55	0.00	0	16,074	0	1.55	41	0	0	23%	3.7
0	Yes	5.73	2.09	0	-	0	3.64	4	0	0	-5%	8.2
4	Yes	30.16	0.00	0	14,840	0	30.16	139	103781	1454	31%	14
0	Yes	5.19	0.32	0	38,369	0	4.87	83	0	0	0%	10.8
0	Yes	0.00		0	-	0		0	0	0	0%	
0	Yes	0.00		0	-	0		0	0	0	0%	
0	Yes	0.00		0	-	0		0	0	0	0%	

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13932	CSA	N/A	0.85	41	19,783	70	N/A	3.61	257	1450	5	0
13934	CSA	N/A	1.43	18	-	-	N/A	8.87	1143	7414	53	0
13935	CSA	N/A	1.85	98	1,460	28	N/A	4.17	298	0	0	0
13939	CSA	N/A	2.52	116	55,688	105	N/A	11.55	1015	14189	136	1
13940	ESA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13942	CSA	N/A	0.20	35	-	-	N/A	1.50	1543	11907	139	0
13943	CSA	N/A	1.08	32	-	-	N/A	1.08	344	0	0	0
13944	CSA	N/A	0.00	0	-	-	N/A	0.21	0	0	0	0
13945	CSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
13946	CSA	N/A	8.06	1171	37,133	419	N/A	0.14	27	0	0	0
13947	CSA	N/A	6.48	941	134,335	1,155	N/A	0.05	1	0	0	0
13948	CSA	N/A	5.75	672	38,936	225	N/A	2.48	404	30931	63	0
13951	ESA	N/A	1.00	52	-	-	N/A	1.63	106	0	0	0
13952	ESA	N/A	0.38	7	570	4	N/A	2.62	69	0	0	0
13953	ESA	N/A	4.11	146	38,707	213	N/A	5.82	198	1400	6	0
13954	ESA	N/A	0.41	4	420	1	N/A	2.73	91	0	0	0
13955	ESA	N/A	1.85	56	1,344	12	N/A	5.83	1379	0	0	0
13956	ESA	N/A	2.02	84	17,234	156	N/A	11.68	3378	25548	254	0
13957	ESA	N/A	0.15	2	-	-	N/A	3.31	389	0	0	0
13959	PCA	N/A	13.18	402	43,290	274	N/A	2.72	194	163	1	0
13961	PCA	N/A	21.00	567	32,471	318	N/A	14.69	1394	51866	550	2
13962	PCA	N/A	19.02	712	17,149	190	N/A	6.10	423	30853	77	1
13963	ESA	N/A	3.37	190	16,924	61	N/A	2.18	103	0	0	0
13964	ESA	N/A	7.16	429	19,680	142	N/A	0.49	5	281	2	0
13967	WHA	N/A	3.54	222	17,763	225	N/A	14.15	1352	34074	145	0
13968	WHA	N/A	5.28	543	8,548	47	N/A	1.50	448	0	0	0
13971	WHA	N/A	0.18	0	-	-	N/A	1.17	11	0	0	0
13972	WHA	N/A	3.87	56	18,486	283	N/A	21.45	1758	8093	35	0
13973	WHA	N/A	1.55	22	14,238	52	N/A	18.22	1809	52869	474	0
13980	PCA	N/A	0.00	0	64	1	N/A	0.00	0	0	0	0
13982	PCA	N/A	1.27	26	408	2	N/A	0.00	0	0	0	0
13983	PCA	N/A	4.46	541	104,967	697	N/A	2.60	217	0	0	0
13984	PCA	N/A	9.84	273	13,877	134	N/A	7.75	388	3689	9	0
13985	CSA	N/A	0.02	0	772	7	N/A	22.17	2361	66605	649	0
13986	CSA	N/A	1.13	4	262	3	N/A	14.12	1083	25713	98	0
13987	CSA	N/A	0.03	0	-	-	N/A	10.98	942	14832	111	0
13988	CSA	N/A	0.00	0	-	-	N/A	12.00	1266	0	0	0
13989	CSA	N/A	0.00	0	84,436	394	N/A	19.89	1533	32406	119	0
13990	CSA	N/A	0.62	6	20,168	590	N/A	30.84	1969	45133	288	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
0	Yes	1.63	0.05	0	19,783	0	1.57	24	121517	645	-38%	5.6
0	Yes	2.36	0.12	0	-	0	2.24	28	0	0	-31%	7.7
0	Yes	2.47	0.29	0	1,460	0	2.18	78	180919	968	13%	9
1	Yes	2.77	0.08	0	55,688	739	2.69	58	94386	771	-43%	6.7
0	Yes	0.02	0.02	0	-	0	0.00	0	0	0	1%	17.2
0	Yes	1.42	1.34	0	-	0	0.08	3	0	0	23%	7.9
0	Yes	2.27	1.41	0	-	0	0.86	51	0	0	-29%	6.4
0	Yes	1.17	0.91	0	-	0	0.25	9	0	0	-44%	1.9
0	Yes	0.46	0.46	0	-	0	0.00	0	0	0	-3%	0
0	Yes	2.79	0.06	0	37,133	0	2.73	188	0	0	-42%	6
0	Yes	1.18	0.12	0	134,335	0	1.06	111	0	0	-14%	4.8
0	Yes	2.76	0.07	0	38,936	0	2.69	126	0	0	-37%	6.7
0	Yes	2.27	0.63	0	-	0	1.65	23	0	0	-71%	4.2
0	Yes	1.14	0.21	0	570	0	0.93	8	4668	89	4%	5.8
0	Yes	2.59	0.22	0	38,707	0	2.37	26	0	0	-50%	11.3
0	Yes	2.37	0.45	0	420	0	1.92	14	0	0	-25%	6.6
0	Yes	4.19	2.14	0	1,344	0	2.06	18	0	0	-52%	8.4
0	Yes	4.75	1.61	0	17,234	0	3.14	34	0	0	-45%	12
0	Yes	2.14	1.66	0	-	0	0.48	4	0	0	13%	4.3
0	Yes	6.06	0.02	0	43,290	0	6.04	99	136074	2171	7%	8.9
1	Yes	4.54	0.04	0	32,471	0	4.50	71	89317	3093	3%	9.2
0	Yes	4.82	0.43	0	17,149	0	4.39	134	197348	2615	-49%	8.7
0	Yes	2.29	0.59	0	16,924	0	1.70	50	0	0	-38%	7.3
0	Yes	2.01	0.20	0	19,680	0	1.81	30	0	0	6%	9
0	Yes	3.63	0.06	0	17,763	0	3.57	114	191128	1706	-23%	10.8
0	Yes	2.97	0.06	0	8,548	0	2.92	166	0	0	-13%	9.1
0	Yes	0.43	0.21	0	-	0	0.22	1	0	0	-7%	5.4
0	Yes	3.16	0.06	0	18,486	0	3.10	13	62292	1881	27%	16.1
0	Yes	3.86	1.45	0	14,238	0	2.41	41	75450	1953	32%	11.5
0	Yes	0.92	0.08	0	64	0	0.84	1	154	2	-92%	0.8
0	Yes	1.56	0.25	0	408	0	1.31	13	0	0	250%	2.1
0	Yes	2.25	0.19	0	104,967	0	2.06	137	0	0	174%	31
0	Yes	6.33	1.09	0	13,877	0	5.24	110	839	787	-61%	10.6
0	Yes	8.10	4.64	0	772	0	3.46	14	69474	3724	-15%	15.7
0	Yes	3.28	2.21	0	262	0	1.08	4	150072	2279	61%	18
0	Yes	6.12	2.86	0	-	0	3.25	7	186698	1902	51%	18.3
0	Yes	3.18	3.17	0	-	0	0.01	0	124050	1272	5%	10.3
0	Yes	3.80	1.77	0	84,436	0	2.03	29	118889	1312	-34%	9.5
0	Yes	8.10	5.95	0	20,168	0	2.15	3	0	0	4%	11.7

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
13991	CSA	N/A	0.00	0	-	-	N/A	11.70	946	7077	219	0
13993	CSA	N/A	4.97	150	59,020	446	N/A	14.16	875	71114	313	0
13994	CSA	N/A		0	-	-	N/A		0	0	0	0
14000	PCA	N/A	16.33	529	56,197	682	N/A	6.51	380	0	0	0
14001	PCA	N/A	3.44	57	9,923	187	N/A	1.11	47	1368	12	0
14002	PCA	N/A	0.47	2	-	-	N/A	13.88	807	3963	50	0
14004	PCA	N/A	0.05	1	-	-	N/A	0.22	6	0	0	0
14010	CSA	N/A	0.00	0	-	-	N/A	2.39	52	0	0	0
14011	CSA	N/A	0.84	8	12,638	279	N/A	5.97	834	247	3	0
14012	CSA	N/A	11.06	662	126,771	1,451	N/A	5.68	724	1197	12	0
14014	CSA	N/A	0.74	23	9,660	27	N/A	1.45	329	0	0	0
14020	SHA	N/A	3.74	143	126,392	1,017	N/A	15.35	1246	16899	159	0
14021	SHA	N/A	8.07	284	13,093	127	N/A	11.43	800	0	0	0
14022	SHA	N/A	1.23	6	-	-	N/A	13.37	865	8431	94	0
14023	SHA	N/A	13.57	403	5,710	47	N/A	6.67	395	88	1	0
14024	SHA	N/A	7.90	501	42,834	281	N/A	13.35	1247	0	0	0
14025	SHA	N/A	7.64	234	19,056	155	N/A	21.53	2067	9363	26	0
14026	SHA	N/A	3.37	67	2,711	18	N/A	4.79	288	0	0	0
14030	WSA	N/A	6.01	227	82,087	722	N/A	27.41	1972	81851	2090	13
14031	WSA	N/A	8.06	347	61,204	224	N/A	17.33	1730	24169	132	0
14032	WSA	N/A	2.67	61	338,819	1,267	N/A	8.29	881	406	5	0
14035	WSA	N/A	0.94	67	139,207	158	N/A	2.21	354	11021	54	0
14036	WSA	N/A	0.00	0	-	-	N/A	0.81	36	3878	35	0
14037	WSA	N/A	0.78	3	-	-	N/A	18.91	1965	12810	178	0
14040	CSA	N/A	5.60	284	20,206	206	N/A	12.05	1427	116339	373	0
14041	CSA	N/A	18.49	735	421,214	1,467	N/A	8.91	339	34879	114	1
14042	CSA	N/A	4.80	152	7,403	731	N/A	13.78	1326	54058	258	5
14050	PCA	N/A	31.43	418	21,067	102	N/A	5.00	21	2523	13	5
14051	PCA	N/A	1.76	0	-	-	N/A	0.07	0	0	0	0
14059	CSA	N/A	0.07	2	-	-	N/A	2.13	1127	0	0	0
14060	CSA	N/A	0.00	0	-	-	N/A	0.54	10	0	0	0
14064	CSA	N/A	0.00	0	-	-	N/A	0.94	638	0	0	0
14065	CSA	N/A	0.00	0	214,653	834	N/A	7.03	1577	119501	175	0
14066	CSA	N/A	0.00	0	-	-	N/A	0.63	1	0	0	0
14069	WSA	N/A	4.31	206	59,037	1,153	N/A	19.90	808	29793	382	0
14070	WSA	N/A	0.07	4	5,730	235	N/A	18.76	1163	80197	606	0
14071	WSA	N/A	8.29	330	21,416	88	N/A	22.98	1270	248051	1007	0
14079	WSA	N/A	0.32	0	-	-	N/A	0.11	1676	4047	31	0
14080	WSA	N/A	0.03	0	-	-	N/A	15.92	1378	1958	9	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
0	Yes	1.80	1.22	0	-	0	0.58	3	40285	998	-22%	9.1
1	Yes	4.96	0.18	0	59,020	0	4.78	92	203734	2964	-17%	14.7
0	Yes	0.00		0	-	0		0	0	0	0%	0
0	Yes	4.17	0.47	0	56,197	0	3.70	72	0	0	-5%	11.6
0	Yes	1.44	0.13	0	9,923	0	1.31	4	343	114	31%	8
0	Yes	3.49	2.84	0	-	0	0.65	4	0	0	3%	10.3
0	Yes	0.43	0.04	0	-	0	0.39	0	0	0	-14%	1.9
0	Yes	1.56	1.56	0	-	58	0.00	0	0	0	-39%	8
0	Yes	2.77	2.27	0	12,638	0	0.51	1	0	0	-58%	10.1
2	Yes	7.52	0.77	0	126,771	0	6.75	52	46217	929	-75%	7.9
0	Yes	0.34	0.07	0	9,660	0	0.28	1	0	0	220%	8
0	Yes	4.81	0.24	0	126,392	0	4.57	53	0	0	-41%	11.4
0	Yes	2.77	0.06	0	13,093	0	2.71	70	0	0	-24%	8.5
0	Yes	2.61	0.32	0	-	0	2.29	12	0	0	-37%	5.7
0	Yes	6.44	0.22	0	5,710	0	6.22	89	0	0	-1%	7.4
1	Yes	4.87	0.14	0	42,834	0	4.73	119	0	0	-55%	10.3
1	Yes	6.40	1.78	0	19,056	0	4.62	48	0	0	-54%	12.2
0	Yes	2.67	1.03	0	2,711	0	1.64	6	0	0	-48%	6.4
2	Yes	2.43	0.39	0	82,087	0	2.03	40	172790	5076	-31%	11.5
0	Yes	3.94	1.38	0	61,204	0	2.56	36	0	0	48%	19.3
0	Yes	2.50	0.97	0	338,819	0	1.52	35	7503	1328	163%	18.9
0	Yes	1.66	0.95	0	139,207	0	0.71	3	0	0	-31%	8.2
0	Yes	1.31	1.25	0	-	0	0.05	0	0	0	731%	24.1
0	Yes	3.70	2.25	0	-	0	1.46	0	0	0	-44%	8.7
1	Yes	3.71	0.02	0	20,206	0	3.68	99	173953	3601	72%	21.2
1	Yes	5.27	0.37	0	421,214	0	4.90	50	205253	2939	-28%	12.9
1	Yes	4.71	0.08	0	7,403	252	4.62	100	207341	1689	13%	15
0	Yes	14.78	4.88	0	21,067	0	9.90	11	50889	1773	41%	18.8
0	Yes	0.03	0.00	0	-	0	0.03	0	0	0	1009%	25.5
0	Yes	2.17	2.17	0	-	0	0.00	0	0	0	-5%	5.9
0	Yes	0.85	0.85	0	-	0	0.00	0	0	0	13%	5.4
0	Yes	2.37	2.37	0	-	0	0.00	0	0	0	13%	9.7
0	Yes	1.52	1.52	0	214,653	686	0.00	0	0	0	-4%	5.2
0	Yes	2.25	2.25	0	-	0	0.00	0	0	0	-67%	0.9
0	Yes	6.48	4.85	0	59,037	0	1.63	12	0	0	-1%	18.7
0	Yes	4.04	1.68	0	5,730	0	2.36	19	0	0	54%	11.7
1	Yes	8.26	4.72	0	21,416	0	3.54	32	49122	1339	49%	14.5
0	Yes	1.89	0.22	0	-	0	1.67	1	0	0	-54%	6.3
0	Yes	2.73	2.15	0	-	0	0.58	0	0	0	18%	9.1

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
14081	WSA	N/A	1.12	66	26,900	295	N/A	13.13	1603	28950	167	0
14082	WSA	N/A	0.00	0	17,941	188	N/A	13.54	1050	27651	180	0
14083	WSA	N/A	0.00	0	37,562	750	N/A	16.09	0	43347	1974	0
14084	WSA	N/A	0.11	5	2,392	37	N/A	15.58	1147	18422	231	0
14089	CSA	N/A	0.08	3	443	2	N/A	24.99	1920	993	8	0
14090	CSA	N/A	0.12	0	187	1	N/A	8.87	671	5281	50	0
14091	CSA	N/A	0.22	0	-	-	N/A	11.19	1017	2274	25	0
14094	CSA	N/A	0.03	1	-	-	N/A	10.16	1446	21822	52	0
14095	CSA	N/A	0.00	0	7,225	63	N/A	15.41	981	18771	82	0
14096	CSA	N/A	0.00	0	18,079	470	N/A	14.03	1279	36986	442	0
14099	CSA	N/A	2.61	42	6,310	33	N/A	10.48	661	14594	179	0
14100	CSA	N/A	0.00	0	6,491	51	N/A	19.52	1936	7837	86	0
14101	CSA	N/A	0.00	0	-	-	N/A	20.65	1507	0	0	0
14102	CSA	N/A	2.12	53	20,994	167	N/A	19.98	1881	39318	142	0
14109	ESA	N/A	0.46	3	498	6	N/A	5.22	643	0	0	0
14110	ESA	N/A	3.73	145	43,182	411	N/A	14.42	634	34961	156	0
14111	ESA	N/A	7.26	439	61,869	305	N/A	8.06	650	30147	116	0
14112	ESA	N/A	3.30	110	24,989	274	N/A	12.40	675	0	0	0
14114	ESA	N/A	6.02	292	40,009	291	N/A	13.06	1104	34570	251	0
14115	ESA	N/A	0.89	8	3,178	19	N/A	3.30	138	53	1	0
14116	ESA	N/A	1.18	79	14,539	66	N/A	1.96	342	200	1	0
14117	ESA	N/A	1.13	75	57,229	330	N/A	1.80	92	1433	10	0
14119	PCA	N/A	0.15	3	973	9	N/A	29.87	2165	0	0	0
14120	PCA	N/A	0.53	20	-	-	N/A	14.38	989	27408	217	0
14121	PCA	N/A	1.02	261	45,739	110	N/A	11.55	1385	94706	1055	0
14122	PCA	N/A	0.00	0	-	-	N/A	25.38	1538	7994	92	0
14123	PCA	N/A	5.84	155	65,926	329	N/A	14.59	876	0	0	0
14124	PCA	N/A	4.63	0	8,004	136	N/A	11.21	0	0	0	0
14144	SHA	N/A	6.92	562	36,545	328	N/A	10.51	889	34296	477	1
14145	SHA	N/A	0.14	1	-	-	N/A	21.00	1457	108690	1270	0
14196	ESA	N/A	0.00	0	-	-	N/A	0.08	1	0	0	0
14197	ESA	N/A	1.94	31	-	-	N/A	0.79	47	0	0	0
14198	ESA	N/A	2.00	50	63,563	600	N/A	3.39	244	728	5	0
14199	ESA	N/A	0.92	33	437	2	N/A	0.62	24	0	0	1
14200	SHA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
14201	SHA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
14202	SHA	N/A	1.05	11	-	-	N/A	0.65	1	59	5	0
14207	ESA	N/A	0.15	1	-	-	N/A	0.00	0	0	0	0
14208	ESA	N/A	0.00	0	-	-	N/A	0.05	1	0	0	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
0	Yes	4.59	3.73	0	26,900	0	0.86	18	0	0	-20%	11.1
0	Yes	2.89	2.89	0	17,941	0	0.00	0	0	0	-61%	6.6
0	Yes	4.49	4.23	0	37,562	0	0.26	1	24662	1289	-64%	8.2
0	Yes	3.10	1.18	0	2,392	0	1.92	3	0	0	-8%	13.4
0	Yes	6.74	4.22	0	443	0	2.52	7	17931	310	13%	13.7
0	Yes	4.74	3.45	0	187	0	1.29	14	0	0	4%	11.8
0	Yes	4.03	2.27	0	-	0	1.75	4	0	0	-24%	8.5
0	Yes	5.45	3.85	0	-	0	1.60	8	0	0	10%	9.1
0	Yes	2.94	2.94	0	7,225	0	0.00	0	0	0	45%	9.4
0	Yes	4.99	4.15	0	18,079	987	0.84	0	0	0	-24%	9.2
0	Yes	6.32	1.97	0	6,310	0	4.35	10	46984	722	-49%	7.1
0	Yes	4.30	4.30	0	6,491	0	0.00	0	0	0	-19%	12.1
0	Yes	5.60	5.60	0	-	0	0.00	0	0	0	-35%	12
0	Yes	4.93	3.02	0	20,994	1480	1.90	20	620617	6447	55%	20.9
0	Yes	1.70	0.27	0	498	0	1.43	17	0	0	-42%	4.9
0	Yes	2.53	0.14	0	43,182	804	2.39	12	0	0	-16%	25.3
0	Yes	2.92	0.04	0	61,869	0	2.88	56	0	0	-20%	11.2
0	Yes	3.05	0.21	0	24,989	0	2.84	30	0	0	-56%	7.4
1	Yes	2.98	0.15	0	40,009	0	2.83	20	66654	1436	-31%	7.2
0	Yes	2.86	1.56	0	3,178	0	1.30	11	0	0	-38%	6.4
0	Yes	1.94	0.15	0	14,539	0	1.78	44	19316	418	116%	8
0	Yes	1.85	0.21	0	57,229	0	1.64	37	3182	281	361%	35.5
0	Yes	5.07	3.38	0	973	0	1.69	3	0	0	0%	11.4
0	Yes	4.85	3.05	0	-	0	1.81	18	0	0	8%	30.9
0	Yes	1.79	0.39	0	45,739	0	1.40	82	0	0	-14%	9
0	Yes	3.38	3.20	0	-	0	0.19	0	0	0	-56%	10
0	Yes	6.82	3.19	0	65,926	0	3.63	48	125190	1094	-4%	30.9
0	Yes	5.59	2.13	0	8,004	0	3.46	0	0	0	791%	28.5
0	Yes	1.82	0.25	0	36,545	0	1.57	30	0	0	-38%	13.9
0	Yes	5.37	3.41	0	-	1508	1.96	3	0	0	10%	22.2
0	Yes	0.00	0.00	0	-	0	0.00	0	3	1	5%	6.2
0	Yes	2.05	0.00	0	-	0	2.05	15	0	0	235%	26.8
0	Yes	3.48	1.11	0	63,563	0	2.37	20	10688	579	60%	30.2
0	Yes	2.63	0.52	0	437	0	2.11	18	4155	74	-6%	6.6
0	Yes	0.06	0.06	0	-	0	0.00	0	0	0	200%	18.9
0	Yes	0.09	0.09	0	-	0	0.00	0	0	0	-26%	6
0	Yes	1.86	1.17	0	-	0	0.69	0	0	0	45%	8.4
0	Yes	0.23	0.05	0	-	0	0.19	0	888	4	-11%	4.7
0	Yes	0.32	0.15	0	-	0	0.18	0	443	2	13%	3.6

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral
14209	ESA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
14210		N/A	0.00	0	-	-	N/A	0.01	0	0	0	0
14216	CSA	N/A	6.75	121	16,762	120	N/A	28.20	1847	156830	1303	0
14217	CSA	N/A	5.22	25	3,993	18	N/A	6.77	602	9735	88	0
14218	CSA	N/A	0.05	2	-	-	N/A	24.04	1104	147746	1018	0
14274	WSA	N/A	26.34	459	55,824	463	N/A	6.55	277	49714	182	0
14275	WSA	N/A	2.40	14	61,290	586	N/A	23.78	1260	60746	525	0
14306	DCA	N/A	17.21	395	151,229	437	N/A	1.75	24	116	1	1
14310	ESA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
14341	ESA	N/A	6.43	21	608	3	N/A	0.00	0	0	0	0
14937	SHA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
14350	WSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0
14939	WSA	N/A	0.00	0	-	-	N/A	0.00	0	0	0	0

(N) Number of Automatic Line Sectionalizing Devices on the Feeder	(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 31 2017	(Z) Recorded Peak Load Recorded through December 31, 2018
0	Yes	0.50	0.08	0	-	0	0.42	0	193	1	-44%	4.8
0	Yes	0.19	0.19	0	-	0	0.00	0	0	0	0%	0
0	Yes	7.96	3.71	0	16,762	0	4.25	1	0	0	30%	11.4
0	Yes	3.27	1.22	0	3,993	0	2.06	1	0	0	-3%	15.2
0	Yes	8.00	4.80	0	-	0	3.20	0	0	0	-16%	19.7
1	Yes	5.32	0.32	0	55,824	0	5.00	91	27033	849	66%	25
1	Yes	5.48	3.09	0	61,290	161	2.39	7	182332	2439	45%	28.9
0	Yes	3.61	0.51	0	151,229	0	3.10	69	14017	524	82%	33.1
0	Yes	0.40	0.11	0	-	0	0.29	0	0	0	2%	11.5
0	Yes	1.10	0.09	0	608	0	1.01	0	0	0	0%	
0	Yes	0.00		0	-	0		0	0	0	0%	
0	Yes	0.01	0.01	0	-	0	0.00	0	0	0	0%	0
0	Yes	0.00	0.00	0	-	0	0.00	0	0	0	40%	40.4