

**Gulf Power Company**  
**Annual Reliability Filing to the Florida Public Service Commission**  
**March 1, 2022**

**Table of Contents**

	<b><u>Page</u></b>
<b><u>Executive Summary</u></b>	2
<b><u>Reliability</u></b>	3
<b><u>Appendix</u></b>	18
Reconciliation of Adjusted to Actual Reliability Indices	
Distribution Excluded Extreme Weather Events	
Distribution Excluded Outage Events	
Feeder Specific Data and Attached Laterals	
Transmission and Substation Outage Events	

## **EXECUTIVE SUMMARY – GULF POWER’S MARCH 1, 2022 FILING**

Gulf Power Company (“Gulf” or the “Company”) is herein submitting its Annual Reliability Report for the preceding calendar year (2021) pursuant to Rule 25-6.0455(1), F.A.C. In 2021, Gulf achieved best-ever Transmission and Distribution (“T&D”) System performance results for multiple reliability indices, including the System Average Interruption Duration Index (“SAIDI”), and the System Average Interruption Frequency Index (“SAIFI”).

Although Gulf was legally merged with and into Florida Power & Light Company (“FPL”) effective January 1, 2021, Gulf and FPL remained separate ratemaking entities and, as such, separately administered their reliability programs during 2021. Effective January 1, 2022, the rates and tariffs of Gulf and FPL were consolidated and unified, all former Gulf customers became FPL customers, and Gulf ceased to exist as a separate regulated entity.<sup>1</sup> As a result, the former Gulf service area has been integrated into FPL as the Northwest Region effective January 1, 2022. Going forward, FPL will continue to invest in strengthening and modernization of the electric infrastructure to reduce day to day outages and restoration times. FPL will follow its established programs and best practices to continue to improve the reliability of service to all our customers, including in the former Gulf service area.

---

<sup>1</sup> Unless the context dictates otherwise, all references to Gulf throughout this report are for pre-consolidated Gulf.

## 2021 Reliability Performance

### *1.0 Overall Performance*

Total Gulf System (Distribution and Transmission) – Overall reliability is best gauged by System Average Interruption Duration Index (“SAIDI”), the most relevant and best overall reliability indicator that encompasses two other standard industry performance metrics for reliability: System Average Interruption Frequency Index (“SAIFI”) and Customer Average Interruption Duration Index (“CAIDI”). In 2021, Gulf achieved a best-ever total T&D system adjusted SAIDI of 42.77 minutes (2020 – 50.26 minutes). Gulf had a T&D system adjusted Momentary Average Interruption Frequency Index events (“MAIFIE”) of 2.07 momentary events (2020 – 2.00 events).

Distribution – Gulf’s 2021 overall adjusted distribution reliability results were: SAIDI, a best-ever 38.69 minutes (2020 – 46.97); SAIFI a best-ever 0.630 interruptions per customer (2020 – 0.705 interruptions); best-ever CAIDI, 61.40 minutes (2020 – 66.59 minutes); and an adjusted MAIFIE of 1.60 momentary events (2020 – 1.44 momentary events). Gulf’s overall unadjusted distribution reliability in 2021, as measured by SAIDI, was 74.89 minutes. This unadjusted performance includes approximately 34.71 minutes associated with tornados, named storms/hurricanes, and 1.49 minutes associated with planned interruptions.

Transmission – In 2021, Gulf’s Transmission/Substation adjusted reliability results were: SAIDI, 4.08 minutes (2020 – 3.29 minutes); SAIFI, 0.124 interruptions per customer (2020 – 0.109 interruptions); and MAIFIE, 0.47 momentary events (2020 – 0.56 events).

## ***2.0 Data Tracking Level***

Gulf tracks the following reliability data associated with each individual interruption: customers affected, minutes interrupted, cause of outage, percentage of customers partially restored, device affected by interruption, and location of the device. All of the interruption data is compiled to calculate reliability indices which are tracked throughout the year. The reliability indices that Gulf tracks include the following: SAIDI, SAIFI, CAIDI, MAIFI, MAIFIe, Lbar, CEMI-3, CEMI-5, CEMI-8, CEMM-25, CEMM-35, and Customer Momentary Experience (“CME”).

## ***3.0 Critical Review of Detailed Reliability Data***

The Company generated and reviewed daily reports that provide detailed reliability information, such as the previous day’s interruptions by device, month-to-date reliability indices, and year-to-date reliability indices. Gulf’s management utilized this information in conducting a daily in-depth review of key reliability data to identify lessons learned and areas for improvement. This review also included an assessment of upcoming weather and potential impacts, operational risks, and a final review of the daily operations plan. Gulf’s management team also conducted monthly reliability reviews of the programs, objectives, and actual performance vs. the plan. On an annual basis, Gulf reviewed its reliability performance and outage causes to implement lessons learned and further improve its reliability programs.

## ***4.0 Identification and Selection of Detailed Reliability Data***

Starting in 2020, Gulf’s reliability data detail and reporting changed consistent with FPL’s standards based on industry practices, internal needs, and external requirements (e.g., requirements of regulators).

## ***5.0 Generation Events – Adjustments***

No generation events were excluded from distribution reliability reporting in 2021.

## ***6.0 Transmission Events – Adjustments***

See Appendix 1 for a detailed list of Transmission outage events for 2021.

**Transmission/Substation**  
**12 Months ending December 31**

	2017	2018	2019	2020	2021
<b>SAIDI</b>	10.7	4.4	14.1	3.3	4.1
<b>SAIFI</b>	0.23	0.17	0.27	0.11	0.12
<b>MAIFle</b>	N/A	N/A	0.52	0.56	0.47

### *7.0 Extreme Weather Adjustments*

See Appendix 1 for a detailed list of extreme weather outage events for 2021.

<b>Extreme Weather Events</b>	<b>**Strength (wind speeds/surge-flood levels)</b>	<b>Landfall Location</b>	<b>Management Regions Affected*</b>
Tornado	EF 0	Panama City Feb. 15	Affected: Panama City Supported: None
Tornado	EF 2	Panama City Apr 10-11	Affected: Fort Walton, Panama City, Pensacola Supported: None
Claudette	TS	Pensacola Jun 19-20	Affected: Fort Walton, Panama City, Pensacola Supported: None
Fred	TS	Panama City Aug 16-17	Affected: Fort Walton, Panama City, Pensacola Supported: None
Ida	H	Pensacola Aug 29-31	Affected: Fort Walton, Panama City, Pensacola Supported: None
Mindy	TS	Panama City Sep 18	Affected: Panama City Supported: None

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

\*\* Utilizing the Saffir-Simpson Hurricane Wind Scale from the National Hurricane Center for a tropical cyclone, we have broken down the strength rating as:

Tropical Storm (“TS”) with sustained wind speed of 39-73mph

Hurricane (“H”) with sustained wind speed of 74-110mph

And Major Hurricane (“M”) with sustained wind speed of 111-157mph or higher.

2021 Events	Date	N	CI	CMI	SAIDI	SAIFI	CAIDI	L-Bar
Tornado	02/15/21	37	1,427	196,774	0.41	0.003	138	93
Tornado	04/10/21	687	55,896	9,937,631	20.61	0.116	178	347
Tornado	04/11/21	77	5,409	151,330	0.31	0.011	28	95
Claudette	06/19-20/21	397	21,442	2,512,096	5.21	0.044	117	185
Fred	08/16-17/21	396	31,111	3,136,009	6.50	0.065	101	203
Ida	08/29-31/21	330	18,513	790,047	1.64	0.038	43	97
Mindy	09/08/21	11	146	9,859	0.02	0.0003	68	106

### 7.1 Response to Extreme Weather Events

Gulf strives for continuous improvements in reliability, including severe weather events. Gulf has a post-storm forensic process in place for the collection, evaluation, and reporting of storm damage data. This data is used to perform a forensic analysis by Gulf to help evaluate construction standards going forward. As part of its analysis of system performance during previous events, the following improvements were made:

- Strengthening existing critical distribution infrastructure facilities (e.g., facilities that serve hospitals, shelters, and first responders) to extreme wind loading standards per NESC guidelines;
- Designing and building all new feeder construction to meet extreme wind loading construction standards;  
Systematically replacing all wooden transmission structures with concrete or steel; and
- Installing flood monitoring on vulnerable substations and reviewing substation switch house construction standards for possible replacement and strengthening.

All the above programs and projects are outlined in Gulf’s 2020-2029 Storm Protection Plan (“SPP”).

### 8.0 Other Distribution Adjustments

See Appendix 1 for a detailed list of planned outage events for 2021.

Causation	# of Outages	CMI	CI	LBAR
Planned Interruptions	1,987	720,376	16,369	71.30

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

In 2021, Gulf continued to evaluate its planned outage review criteria, with a focus on reducing customer impact of outages. Strategies include alternate power line sources wherever possible, limiting the outage to the lowest level outage device possible, and work planning to reduce the time the outage needs to last. In 2021, Planned Outage SAIDI was 64% lower than 2020.

## 9.0 Adjusted Reliability

### 9.1 Outage Event Causes

#### 9.1.1 Five Year Patterns

Gulf’s five-year SAIDI, SAIFI, and CAIDI trends for the Florida Public Service Commission (“FPSC”) defined outage categories are below:

		System Avg. Interruption (SAIDI)				
Rank	PSC Cause Group	2017	2018	2019	2020	2021
1	Defective Equipment	23.2	21.9	17.1	10.4	8.4
2	Vegetation	30.5	17.1	14.1	12.5	8.1
3	Vehicle	13.6	16.8	7.0	6.0	5.5
4	Other Weather	6.6	4.2	4.5	6.3	4.4
5	All Other Causes	6.5	6.3	5.8	3.2	4.3
6	Unknown	6.1	9.7	5.8	4.4	3.4
7	Lightning	22.2	16.7	9.5	2.0	2.6
8	Animal	7.4	4.2	3.4	2.3	2.0
	System Total	116.1	96.8	67.2	47.0	38.7

		Frequency (SAIFI)				
Rank	PSC Cause Group	2017	2018	2019	2020	2021
1	Defective Equipment	0.23	0.26	0.21	0.15	0.11
2	Vegetation	0.23	0.21	0.19	0.17	0.13
3	Vehicle	0.11	0.12	0.07	0.06	0.06
4	Other Weather	0.05	0.04	0.04	0.09	0.04
5	All Other Causes	0.19	0.23	0.20	0.10	0.13
6	Unknown	0.09	0.14	0.10	0.06	0.08
7	Lightning	0.18	0.21	0.12	0.04	0.04
8	Animal	0.13	0.05	0.06	0.04	0.04
	System Total	1.20	1.26	0.97	0.71	0.63



		Duration (CAIDI)				
Rank	PSC Cause Group	2017	2018	2019	2020	2021
1	Defective Equipment	58.8	76.8	83.1	68.0	76.3
2	Vegetation	66.9	69.5	74.9	72.0	62.6
3	Vehicle	131.6	81.3	107.4	95.9	89.3
4	Other Weather	125.8	78.8	107.5	73.1	98.4
5	All Other Causes	125.7	139.1	29.2	33.3	34.2
6	Unknown	147.6	114.1	61.0	73.4	42.2
7	Lightning	99.5	85.9	78.7	55.2	75.0
8	Animal	35.2	27.6	58.7	56.9	46.1
	System Total	97.0	77.0	69.1	66.6	61.4

### 9.1.2 Identification and Selection/Process Improvements

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

### 9.1.3 2021 Activities and Budget Allowances

Historically, it has not been practical for Gulf to provide budget allowances for all activities that are related to distribution reliability. Gulf’s budget and accounting systems did not separately categorize and track capital expenditures or operating and maintenance (O&M) expenses on the basis that they are related specifically to distribution reliability. However, as a result of the consolidation and unification of former Gulf and FPL, the 2022 budget provided in FPL’s 2021 Annual Reliability Report provides this information for the consolidated FPL service area, which includes the Gulf former service area.

In 2021, Gulf’s reliability programs that aimed at reducing customer interruptions included:

Program	Program Description	Impact on Which Cause Codes
Vegetation Mgmt.	Integrated program designed to minimize tree and vine related interruptions.	Vegetation, Unknown
System Expansion	Provide necessary feeder capacity to serve all customers during normal and emergency periods and install the infrastructure necessary to support system contingency.	All
Auto Lateral Switch (ALS)	Reduce the number of permanent outages caused by temporary faults on overhead lateral lines.	Animal, Unknown, Vegetation, Weather
Cable Lateral	Reduce the number of direct burial lateral cable failures and reduce customer interruptions.	Equipment Failure
Reliability-Capital Projects	Capital intensive projects to increase overall reliability.	All
Overhead Line Inspection & Repairs	Conduct a visual and/or infrared inspection of overhead feeder infrastructure to identify issues that may lead to equipment failures.	Equipment Failure
Submarine Cable	Reduce the number of submarine cable failures and reduce customer interruptions.	Equipment Failure
Underground Network Modernization	To replace or modernize aging equipment in the Pensacola Network to prevent or reduce customer interruptions.	Equipment Failure
Frequency Feeders	Reduce the number of customers experiencing multiple interruptions and momentary events by identifying and correcting feeders experiencing the highest number of events or customers interrupted.	All
Cable Feeder	Reduce the number of aged cable failures and reduce customer interruptions.	Equipment Failure

## 9.2 Three Percent Feeder List

### 9.2.1 Five Year Patterns

See Gulf’s three-percent list in Appendix 1.

### 9.2.2 Identification and Selection/Process Improvements

Gulf monitors feeder performance on a routine basis, including feeders having multiple interruptions. Several initiatives are in place to strengthen feeders, including extreme wind loading standards for additional overall reliability improvement.

### 9.2.3 2020 Activities and Budget Allowances

See response in section 15.9.1.2.

## 9.3 Regional Reliability Indices

### 9.3.1 Five Year Patterns

Annual SAIDI performance for the Distribution unit and its regions

Data	Region	2017	2018	2019	2020	2021
SAIDI	Fort Walton	110.36	86.28	57.84	39.78	40.78
	Panama City	108.47	103.10	69.11	52.47	45.60
	Pensacola	123.15	99.16	71.06	47.86	34.24
	All	116.13	96.82	67.18	46.97	38.69

Annual SAIFI performance for the Distribution unit and its regions

Data	Region	2017	2018	2019	2020	2021
SAIFI	Fort Walton	1.046	0.904	0.731	0.575	0.589
	Panama City	1.273	1.298	1.123	0.783	0.698
	Pensacola	1.236	1.420	1.023	0.732	0.617
	All	1.197	1.257	0.973	0.705	0.630

**Annual CAIDI performance for the Distribution unit and its regions**

<b>Data</b>	<b>Region</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
CAIDI	Fort Walton	105.48	95.43	79.08	69.15	69.23
	Panama City	85.22	79.45	61.53	67.00	65.32
	Pensacola	99.64	69.86	69.48	65.35	55.45
	All	97.03	77.04	69.07	66.59	61.40

**Annual MAIFIE performance for the Distribution unit and its regions**

<b>Data</b>	<b>Region</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
MAIFIE	Fort Walton	2.14	1.62	2.03	1.43	1.87
	Panama City	2.31	1.87	2.33	1.82	1.64
	Pensacola	2.67	2.40	2.08	1.26	1.45
	All	2.44	2.07	2.13	1.44	1.60

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

<b>Data</b>	<b>Region</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
# Cust > 5	Fort Walton	0.91%	0.51%	0.11%	0.19%	0.15%
	Panama City	0.86%	2.15%	0.82%	0.96%	1.23%
	Pensacola	0.80%	1.68%	0.36%	0.23%	0.19%
	All	0.84%	1.49%	0.41%	0.40%	0.43%

**9.3.2 Identification and Selection/Process Improvements**

See response in section 15.9.1.2.

**9.3.3 2020 Activities and Budget Allowances**

See response in section 15.9.1.3.

## 10.0 Overhead – Underground Reliability

In 2019, Gulf transitioned to FPL’s TCMS (Trouble Call Management System). In this system, circuits are defined as overhead (“OH”), underground (“UG”), or hybrid. The methodology used to classify a customer as OH is defined as those customers served by a feeder with combined feeder and lateral OH miles greater than or equal to 95% of the total primary miles. Then, to classify a customer as UG, customers must be served by a feeder with combined feeder and lateral UG miles greater than or equal to 95% of the total primary miles. The balance of customers is classified as hybrid. According to this methodology, Gulf has 43 OH feeders, 11 UG feeders, with the remaining 247 feeders classified as hybrid.

## 10.1 Five Year Patterns

Five years’ reliability performance of UG, hybrid and OH systems

Data	Year	Hybrid	OH	UG	ALL
SAIDI	2017	111.58	162.16	0.00	116.13
	2018	90.28	167.84	0.00	96.82
	2019	58.39	8.78	0.00	67.18
	2020	41.58	126.02	100.00	46.97
	2021	36.43	81.23	0.00	38.69
SAIFI	2017	1.198	1.516	0.000	1.197
	2018	1.238	1.806	0.000	1.257
	2019	0.864	0.109	0.000	0.973
	2020	0.645	1.662	1.000	0.705
	2021	0.605	1.190	0.000	0.630
CAIDI	2017	96.89	98.05	0.00	97.03
	2018	76.55	80.03	0.00	77.04
	2019	67.61	80.64	0.00	69.07
	2020	64.45	75.85	100.00	66.59
	2021	60.26	68.30	0.00	61.40
LBAR	2017	124.04	126.77	0.00	124.50
	2018	116.57	115.84	0.00	116.46
	2019	103.83	101.32	0.00	103.46
	2020	109.26	123.47	100.00	111.61
	2021	97.63	100.51	0.00	98.05

## **10.2 Identification and Selection/Process Improvements**

Gulf continually monitors each feeder interruption with a designation of either OH, UG, or hybrid system. Gulf analyzes the types of equipment that fails in order to determine the necessary performance of its OH and UG systems. For example, Gulf has equipment codes that relate specifically to its OH system (disconnect switches, insulators, jumpers, wire) and UG system (cable, switch cabinets, elbow and terminators).

After storm events, if feasible, Gulf performs forensic analyses/activities to compare OH vs UG infrastructure performance.

### 10.3 Promotion of Converting Overhead Facilities to Underground

Gulf supports all customer requests to convert OH facilities to UG or install new facilities UG. Gulf's staff works to ensure timely and helpful responses to all inquiries into costs and requirements.

See section 15.10.1 for feeder classification criteria. The miles below include only primary circuits (Feeders and Laterals).

#### **2021 Detail**

2021 OH	
Number of Miles	1,029
Number of Customers	36,236
Number of Customer Minutes Interrupted (CMI)	2,945,200
Number of Customer Interruptions (CI)	43,119
L-Bar = $\frac{\text{Minutes of Interruption}}{\text{Total Number of Outages}}$	$\frac{120,115}{1,195} = 101$
2021 Hybrid	
Number of Miles	6,779
Number of Customers	431,071
Number of Customer Minutes Interrupted (CMI)	15,705,176
Number of Customer Interruptions (CI)	260,638
L-Bar = $\frac{\text{Minutes of Interruption}}{\text{Total Number of Outages}}$	$\frac{692,777}{7,096} = 98$
2021 UG	
Number of Miles	4
Number of Customers	7
Number of Customer Minutes Interrupted (CMI)	0
Number of Customer Interruptions (CI)	0
L-Bar = $\frac{\text{Minutes of Interruption}}{\text{Total Number of Outages}}$	0

## Five Year Pattern

Data	Year	Hybrid	OH	UG	ALL
<b>Number of Customers</b>	2017	410,922	40,642	1	451,565
	2018	414,005	38,121	1	452,127
	2019	415,533	40,776	6	456,315
	2020	420,236	37,882	1	458,119
	2021	431,071	36,236	7	467,314
<b>CMI</b>	2017	46,891,337	6,740,018	0	53,631,356
	2018	38,273,614	6,551,874	0	44,825,488
	2019	27,344,565	4,113,042	0	31,457,607
	2020	17,471,812	4,774,025	100	22,245,937
	2021	15,705,176	2,945,200	0	18,650,376
<b>CI</b>	2017	483,974	68,742	0	552,716
	2018	499,963	81,867	0	581,830
	2019	404,416	51,004	0	455,420
	2020	271,111	62,941	1	334,053
	2021	260,638	43,119	0	303,757
<b>MAIFIe</b>	2017	2.55	1.33	0.00	2.44
	2018	2.09	1.85	0.00	2.07
	2019	2.09	3.17	0.00	2.13
	2020	1.38	2.76	7.00	1.44
	2021	1.61	2.24	0.43	1.60

Number of customers is calculated on active accounts in TCMS and does not include non-metered customers



## ***11.0 Reliability Related Customer Complaints***

### **11.1 Five Year Patterns**

Gulf's five-year history for reliability-related customer complaints:

<b>Year</b>	<b>No.</b>
2017	0
2018	0
2019	0
2020	3
2021	0

### **11.2 Correlation of Reliability Related Customer Complaints to Indices**

Due to improved reliability over the years and the low number of customer complaints, Gulf has not determined that there is a correlation between reliability-related customer complaints and the indices.

Gulf addresses reliability complaints on a case-by-case basis. Lessons learned from issues and resolutions identified may be incorporated into our processes, if deemed appropriate. Gulf also utilizes certain reliability programs, e.g., Recurring Trouble Report and other system improvements, to address customer complaints.

### **11.3 Identification and Selection/Process Improvements**

Due to Gulf's very low number of FPSC Consumer Activity Report complaints and no apparent correlation of reliability-related customer complaints to outage indices, Gulf has not implemented any programs to identify and select systemic actions to improve reliability based solely on customer complaints. However, Gulf does continue to review outage information, historical performance, and reliability indices to determine and mitigate future issues and reoccurrence, as well as overall improvement of the system on an ongoing basis.

## APPENDIX

### ANNUAL DISTRIBUTION RELIABILITY REPORT FOR 2021

SAIDI	=	= System Average Interruption Duration Index		
	=	<u>Sum of All Customer Minutes Interrupted (CMI)</u>	<u>18,650,376</u>	38.69
		Total number of Customers Served (C)	482,102	
CAIDI	=	Customer Average Interruption Duration Index		
	=	<u>Sum of All Customer Minutes Interruptions (CMI)</u>	<u>18,650,376</u>	61.40
		Total number of Customer Interruptions (CI)	303,757	
SAIFI	=	System Average Interruption Frequency Index		
	=	<u>Total number of Customer Interruptions (CI)</u>	<u>303,757</u>	0.630
		Total number of Customers Served (C)	482,102	
MAIFIe	=	Momentary Average Interruption Event		
	=	<u>Sum of All Customer Momentary Interruption Events</u>		
	=	<u>(CME)</u>	<u>773,237</u>	1.60
		Total number of Customers Served (C)	482,102	
L BAR	=	<u>Minutes of Interruption (AO)</u>	<u>812,892</u>	98.05
		Total Number of Outages (# of Outages)	8,291	
%CEMI-5	=	<u>Sum of CEMI-5 Customers (# Cust&gt;5)</u>	<u>2,095</u>	0.43%
		Total number of Customers Served (C)	482,102	

<b>Service Reliability Indices Data</b>							
<b>Utility Name: Gulf Power Company</b>							
<b>Year: 2021</b>							
<b>District or Service Area</b>	<b>Customers Served (C)</b>	<b># of Outages</b>	<b>CMI</b>	<b>CI</b>	<b>AO</b>	<b>CME</b>	<b># Cust &gt; 5</b>
Fort Walton	122,136	2,028	4,980,526	71,938	186,984	228,343	184
Panama City	118,379	2,001	5,398,570	82,643	199,846	194,478	1,459
Pensacola	241,587	4,262	8,271,280	149,176	426,062	350,416	452
<b>Grand Total</b>	<b>482,102</b>	<b>8,291</b>	<b>18,650,376</b>	<b>303,757</b>	<b>812,892</b>	<b>773,237</b>	<b>2,095</b>

PSC/ECR 102-1(a)

Incorporated by reference in Rule 25-6.0455

<b>Causes of Outage Events - Actual</b>			
<b>Utility Name: Gulf Power</b>		<b>Year: 2021</b>	
<b>Cause (a)</b>	<b>Number of Outage Events (N) (b)</b>	<b>Average Duration (L-Bar) (c)</b>	<b>Average Restoration Time (CAIDI) (d)</b>
All Other Causes	3,331	101.41	54.42
Vegetation	2,128	120.01	77.65
Animal	1,727	66.31	46.54
Defective Equipment	1,506	129.05	77.66
Unknown	1,459	96.21	49.60
Other Weather	1,085	189.18	130.49
Lightning	734	145.59	96.40
Vehicle	243	148.55	89.46
<b>System Total</b>	<b>12,213</b>	<b>113.86</b>	<b>79.51</b>

<b>Causes of Outage Events - Adjusted</b>			
<b>Utility Name: Gulf Power</b>		<b>Year: 2021</b>	
<b>Cause (a)</b>	<b>Number of Outage Events (N) (b)</b>	<b>Average Duration (L-Bar) (c)</b>	<b>Average Restoration Time (CAIDI) (d)</b>
Animal	1,704	66.34	46.06
Vegetation	1,631	94.45	62.62
Defective Equipment	1,447	128.76	76.26
Unknown	1,337	90.03	42.18
All Other Causes	832	104.90	34.23
Lightning	586	113.48	74.96
Other Weather	518	97.42	98.41
Vehicle	236	147.81	89.28
<b>System Total</b>	<b>8,291</b>	<b>98.05</b>	<b>61.40</b>

PSC/ECR 102-2(a)

THREE PERCENT FEEDER LIST - ACTUAL												
Gulf Power Company											Year: 2021	
Primary Circuit Id. No. or Name (a)	Substation Origin (b)	Location (c)	Number of Customers					No. of Outage Events (N) (i)	Average Duration (L-Bar) (j)	Average Restoration Time (CAIDI) (k)	Listed Last Year? (l)	No. of Years in the Last 5 (m)
			Residential (d)	Commercial (e)	Industrial (f)	Other (g)	Total (h)					
906932	Cantonment	Escambia	1,507	90	1	2	1,598	3	345.00	160	N	0
907992	Bay County	Bay	2,293	297	1	-	2,591	3	101.00	75	N	0
908162	Sandestin	Walton	2,477	297	-	-	2,774	3	7.00	7	N	0
908362	Lullwater	Bay	2,891	425	2	-	3,318	3	54.00	6	N	0
908672	Hathaway	Bay	2,061	211	-	-	2,272	3	107.00	29	N	2
909522	Vernon	Washington	1,457	298	1	3	1,756	3	116.00	44	Y	2
909832	Bonifay	Holmes	1,686	546	1	1	2,233	3	36.00	34	N	0
905392	Molino	Escambia	924	99	-	-	1,023	2	215.00	160	N	0
907012	Pace	Santa-Rosa	2,134	352	-	1	2,486	2	14.00	15	N	0

PSC/ECR 102-2(b)

THREE PERCENT FEEDER LIST - ADJUSTED												
Gulf Power Company											Year: 2021	
Primary Circuit Id. No. or Name (a)	Substation Origin (b)	Location (c)	Number of Customers					No. of Outage Events (N) (i)	Average Duration (L-Bar) (j)	Average Restoration Time (CAIDI) (k)	Listed Last Year? (l)	No. of Years in the Last 5 (m)
			Residential (d)	Commercial (e)	Industrial (f)	Other (g)	Total (h)					
909832	Bonifay	Holmes	1,686	546	1	1	2,233	3	36.00	34.03	N	0
909522	Vernon	Washington	1,457	298	1	3	1,756	3	115.67	43.80	Y	2
908162	Sandestin	Walton	2,477	297	-	-	2,774	2	4.00	4.00	N	0
907992	Bay County	Bay	2,293	297	1	-	2,591	2	114.00	74.27	N	0
908792	Highland City	Bay	2,193	464	1	5	2,658	2	161.00	98.43	N	1
907342	Innerarity	Escambia	3,505	270	-	2	3,775	2	9.00	3.40	N	2
909622	Sullivan St	Okaloosa	1,165	348	-	-	1,513	2	4.50	4.46	N	0
905392	Molino	Escambia	924	99	-	-	1,023	2	215.00	159.68	N	0
909202	Chipley	Washington	531	161	2	-	694	2	46.50	43.28	N	0

## PSC/ECR 102-3(a)

<b>System Reliability Indices - Actual</b>				
Utility Name: Gulf Power				Year: 2021
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFIE (e)
Fort Walton (Central)	49.68	68.96	0.720	2.06
Panama City (Eastern)	107.88	88.16	1.224	2.42
Pensacola (Western)	71.47	78.05	0.916	1.67
System Total	74.89	79.51	0.942	1.95

## PSC/ECR 102-3(b)

<b>System Reliability Indices - Adjusted</b>					
Utility Name: Gulf Power					Year: 2021
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFIE (e)	CEMI5 (f)
Fort Walton (Central)	40.78	69.23	0.589	1.87	0.15%
Panama City (Eastern)	45.60	65.32	0.698	1.64	1.23%
Pensacola (Western)	34.24	55.45	0.617	1.45	0.19%
System Total	38.69	61.40	0.630	1.60	0.43%

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

2021	Customer Minutes of Interruption (CMI)		Customer Interruptions	
	Value	% of Actual	Value	% of Actual
<b>Reported Actual Data (1)</b>	36,104,498	100%	454,070	100%
<b>Documented Exclusions</b>				
Planned Service Interruptions	720,376	2.0%	16,369	3.6%
Tropical Storm	5,657,964	15.7%	52,699	11.6%
Tornado	10,285,735	28.5%	62,732	13.8%
Hurricane	790,047	2.2%	18,513	4.1%
Ice on Lines				
Subtropical Storm				
Generation/Transmission Events (2)	1,968,446	N/A	59,751	N/A
Extreme Weather (EOC Activation/Fire)				
<b>Reported Adjusted Data</b>	18,650,376	51.7%	303,757	66.9%

Notes

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

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

# **APPENDIX**

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	02/15/21	9	1,431	159
Tornado	02/15/21	20	760	38
Tornado	02/15/21	11	231	21
Tornado	02/15/21	1	25	25
Tornado	02/15/21	2	102	51
Tornado	02/15/21	1	2	2
Tornado	02/15/21	1	12	12
Tornado	02/15/21	27	3,213	119
Tornado	02/15/21	18	1,386	77
Tornado	02/15/21	48	4,128	86
Tornado	02/15/21	1	120	120
Tornado	02/15/21	25	300	12
Tornado	02/15/21	246	46,740	190
Tornado	02/15/21	2	226	113
Tornado	02/15/21	6	792	132
Tornado	02/15/21	2	124	62
Tornado	02/15/21	1	62	62
Tornado	02/15/21	502	107,930	215
Tornado	02/15/21	13	2,548	196
Tornado	02/15/21	59	4,366	74
Tornado	02/15/21	6	864	144
Tornado	02/15/21	117	9,360	80
Tornado	02/15/21	1	325	325
Tornado	02/15/21	7	1,533	219
Tornado	02/15/21	27	1,404	52
Tornado	02/15/21	43	2,666	62
Tornado	02/15/21	22	1,760	80
Tornado	02/15/21	10	1,630	163
Tornado	02/15/21	2	212	106
Tornado	02/15/21	1	110	110
Tornado	02/15/21	190	2,090	11
Tornado	02/15/21	1	118	118
Tornado	02/15/21	1	26	26
Tornado	02/15/21	1	55	55
Tornado	02/15/21	1	54	54
Tornado	02/15/21	1	27	27
Tornado	02/15/21	1	42	42
Tornado	04/10/21	2	1,172	586
Tornado	04/10/21	95	12,730	134
Tornado	04/10/21	8	4,200	525
Tornado	04/10/21	101	108,575	1,075
Tornado	04/10/21	2	248	124
Tornado	04/10/21	17	1,853	109
Tornado	04/10/21	1,729	512,190	765
Tornado	04/10/21	515	50,470	98
Tornado	04/10/21	908	138,924	153



<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	1	743	743
Tornado	04/10/21	1	733	733
Tornado	04/10/21	1	741	741
Tornado	04/10/21	58	61,432	1,064
Tornado	04/10/21	1,602	418,946	759
Tornado	04/10/21	14	10,668	762
Tornado	04/10/21	96	24,576	256
Tornado	04/10/21	63	6,867	109
Tornado	04/10/21	30	25,620	854
Tornado	04/10/21	142	41,808	300
Tornado	04/10/21	10	7,520	752
Tornado	04/10/21	159	24,963	157
Tornado	04/10/21	94	56,054	726
Tornado	04/10/21	53	8,003	151
Tornado	04/10/21	46	12,972	282
Tornado	04/10/21	103	69,216	672
Tornado	04/10/21	51	37,842	742
Tornado	04/10/21	10	6,210	621
Tornado	04/10/21	4	2,792	698
Tornado	04/10/21	9	6,831	759
Tornado	04/10/21	32	26,944	842
Tornado	04/10/21	168	45,528	271
Tornado	04/10/21	28	10,724	383
Tornado	04/10/21	2	890	445
Tornado	04/10/21	9	8,496	944
Tornado	04/10/21	64	33,472	523
Tornado	04/10/21	5	4,255	851
Tornado	04/10/21	26	13,988	538
Tornado	04/10/21	312	49,296	158
Tornado	04/10/21	15	4,500	300
Tornado	04/10/21	44	30,360	690
Tornado	04/10/21	15	6,165	411
Tornado	04/10/21	3	384	128
Tornado	04/10/21	168	31,528	228
Tornado	04/10/21	49	20,188	412
Tornado	04/10/21	11	957	87
Tornado	04/10/21	2	640	320
Tornado	04/10/21	26	9,672	372
Tornado	04/10/21	260	47,060	181
Tornado	04/10/21	101	44,137	437
Tornado	04/10/21	3	1,707	569
Tornado	04/10/21	5	3,710	742
Tornado	04/10/21	51	10,200	200

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	15	11,385	759
Tornado	04/10/21	19	3,781	199
Tornado	04/10/21	47	31,678	674
Tornado	04/10/21	53	35,245	665
Tornado	04/10/21	20	13,080	654
Tornado	04/10/21	22	14,828	674
Tornado	04/10/21	3	1,944	648
Tornado	04/10/21	19	7,049	371
Tornado	04/10/21	3	1,938	646
Tornado	04/10/21	3	1,443	481
Tornado	04/10/21	2	814	407
Tornado	04/10/21	8	2,920	365
Tornado	04/10/21	2	862	431
Tornado	04/10/21	2	774	387
Tornado	04/10/21	8	4,848	606
Tornado	04/10/21	2	1,308	654
Tornado	04/10/21	3	2,496	832
Tornado	04/10/21	47	37,036	788
Tornado	04/10/21	3	2,019	673
Tornado	04/10/21	4	2,692	673
Tornado	04/10/21	1	153	153
Tornado	04/10/21	21	12,726	606
Tornado	04/10/21	43	32,379	753
Tornado	04/10/21	2	1,608	804
Tornado	04/10/21	6	5,136	856
Tornado	04/10/21	3	2,187	729
Tornado	04/10/21	5	3,920	784
Tornado	04/10/21	2	1,442	721
Tornado	04/10/21	80	19,280	241
Tornado	04/10/21	1	154	154
Tornado	04/10/21	2	1,562	781
Tornado	04/10/21	3	591	197
Tornado	04/10/21	36	8,424	234
Tornado	04/10/21	8	5,576	697
Tornado	04/10/21	22	11,374	517
Tornado	04/10/21	6	4,488	748
Tornado	04/10/21	2	1,588	794
Tornado	04/10/21	6	600	100
Tornado	04/10/21	3	2,085	695
Tornado	04/10/21	6	4,866	811

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	12	8,040	670
Tornado	04/10/21	3	3,012	1,004
Tornado	04/10/21	2	2,008	1,004
Tornado	04/10/21	36	18,468	513
Tornado	04/10/21	4	2,788	697
Tornado	04/10/21	55	38,830	706
Tornado	04/10/21	167	23,881	143
Tornado	04/10/21	1	899	899
Tornado	04/10/21	8	1,536	192
Tornado	04/10/21	2	276	138
Tornado	04/10/21	3	276	92
Tornado	04/10/21	1	155	155
Tornado	04/10/21	4	1,448	362
Tornado	04/10/21	22	3,322	151
Tornado	04/10/21	3	363	121
Tornado	04/10/21	20	13,920	696
Tornado	04/10/21	42	11,802	281
Tornado	04/10/21	7	5,467	781
Tornado	04/10/21	53	30,899	583
Tornado	04/10/21	26	858	33
Tornado	04/10/21	2	834	417
Tornado	04/10/21	4	3,532	883
Tornado	04/10/21	42	3,024	72
Tornado	04/10/21	10	600	60
Tornado	04/10/21	10	470	47
Tornado	04/10/21	38	24,472	644
Tornado	04/10/21	338	41,236	122
Tornado	04/10/21	13	910	70
Tornado	04/10/21	11	3,311	301
Tornado	04/10/21	2	1,314	657
Tornado	04/10/21	4	592	148
Tornado	04/10/21	3	381	127
Tornado	04/10/21	3	405	135
Tornado	04/10/21	5	3,465	693
Tornado	04/10/21	2	1,394	697
Tornado	04/10/21	78	3,432	44
Tornado	04/10/21	3	1,281	427
Tornado	04/10/21	1	301	301
Tornado	04/10/21	1	256	256
Tornado	04/10/21	121	16,214	134

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	2	560	280
Tornado	04/10/21	1,177	95,337	81
Tornado	04/10/21	1	422	422
Tornado	04/10/21	63	11,592	184
Tornado	04/10/21	3	951	317
Tornado	04/10/21	1	292	292
Tornado	04/10/21	13	858	66
Tornado	04/10/21	1	213	213
Tornado	04/10/21	5	2,870	574
Tornado	04/10/21	1	731	731
Tornado	04/10/21	106	38,902	367
Tornado	04/10/21	120	16,080	134
Tornado	04/10/21	159	112,413	707
Tornado	04/10/21	93	43,645	589
Tornado	04/10/21	1	478	478
Tornado	04/10/21	409	69,939	171
Tornado	04/10/21	235	82,250	350
Tornado	04/10/21	1	583	583
Tornado	04/10/21	73	10,512	144
Tornado	04/10/21	3	249	83
Tornado	04/10/21	10	780	78
Tornado	04/10/21	1,616	268,256	166
Tornado	04/10/21	412	49,028	119
Tornado	04/10/21	1	419	419
Tornado	04/10/21	77	7,854	102
Tornado	04/10/21	1	344	344
Tornado	04/10/21	1,319	117,391	89
Tornado	04/10/21	45	21,285	473
Tornado	04/10/21	24	4,104	171
Tornado	04/10/21	98	43,268	474
Tornado	04/10/21	110	55,770	507
Tornado	04/10/21	62	19,034	307
Tornado	04/10/21	57	23,826	418
Tornado	04/10/21	116	44,776	386
Tornado	04/10/21	151	44,847	297
Tornado	04/10/21	91	4,368	48
Tornado	04/10/21	50	30,000	600
Tornado	04/10/21	10	1,790	179
Tornado	04/10/21	1	191	191
Tornado	04/10/21	197	16,942	86

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	1	337	337
Tornado	04/10/21	1	416	416
Tornado	04/10/21	1	191	191
Tornado	04/10/21	8	592	74
Tornado	04/10/21	11	6,809	619
Tornado	04/10/21	1	334	334
Tornado	04/10/21	189	8,316	44
Tornado	04/10/21	264	28,248	107
Tornado	04/10/21	1	333	333
Tornado	04/10/21	38	3,458	91
Tornado	04/10/21	118	40,710	345
Tornado	04/10/21	1	173	173
Tornado	04/10/21	28	12,516	447
Tornado	04/10/21	45	24,120	536
Tornado	04/10/21	371	11,495	85
Tornado	04/10/21	59	27,376	464
Tornado	04/10/21	1	333	333
Tornado	04/10/21	173	11,764	68
Tornado	04/10/21	114	70,224	616
Tornado	04/10/21	49	1,960	40
Tornado	04/10/21	78	1,326	17
Tornado	04/10/21	929	49,237	53
Tornado	04/10/21	104	38,688	372
Tornado	04/10/21	20	10,080	504
Tornado	04/10/21	89	54,735	615
Tornado	04/10/21	4	928	232
Tornado	04/10/21	541	45,444	84
Tornado	04/10/21	11	7,458	678
Tornado	04/10/21	5	3,590	718
Tornado	04/10/21	2	1,796	898
Tornado	04/10/21	14	9,450	675
Tornado	04/10/21	7	2,975	425
Tornado	04/10/21	4	900	225
Tornado	04/10/21	22	4,466	203
Tornado	04/10/21	2	74	37
Tornado	04/10/21	108	29,448	288
Tornado	04/10/21	499	83,832	168
Tornado	04/10/21	87	16,356	188
Tornado	04/10/21	1	47	47
Tornado	04/10/21	102	3,366	33

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	34	5,474	161
Tornado	04/10/21	61	4,209	69
Tornado	04/10/21	4	116	29
Tornado	04/10/21	1	28	28
Tornado	04/10/21	10	3,660	366
Tornado	04/10/21	1,964	51,064	26
Tornado	04/10/21	34	5,134	151
Tornado	04/10/21	89	21,716	244
Tornado	04/10/21	1	302	302
Tornado	04/10/21	29	16,994	586
Tornado	04/10/21	1	161	161
Tornado	04/10/21	7	1,295	185
Tornado	04/10/21	6	2,772	462
Tornado	04/10/21	13	2,483	191
Tornado	04/10/21	5	2,660	532
Tornado	04/10/21	3	1,695	565
Tornado	04/10/21	12	6,192	516
Tornado	04/10/21	2	1,266	633
Tornado	04/10/21	286	130,158	483
Tornado	04/10/21	10	4,210	421
Tornado	04/10/21	16	9,072	567
Tornado	04/10/21	3	1,284	428
Tornado	04/10/21	1	276	276
Tornado	04/10/21	3	2,124	708
Tornado	04/10/21	1,078	458,150	425
Tornado	04/10/21	574	93,443	422
Tornado	04/10/21	47	3,525	75
Tornado	04/10/21	3	1,248	416
Tornado	04/10/21	1	156	156
Tornado	04/10/21	10	6,640	664
Tornado	04/10/21	1	792	792
Tornado	04/10/21	299	35,880	120
Tornado	04/10/21	19	2,014	106
Tornado	04/10/21	15	1,785	119
Tornado	04/10/21	2	496	248
Tornado	04/10/21	2	126	63
Tornado	04/10/21	1	320	320
Tornado	04/10/21	2	842	421
Tornado	04/10/21	12	3,084	257
Tornado	04/10/21	116	46,400	400

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	6	4,758	793
Tornado	04/10/21	152	26,456	175
Tornado	04/10/21	120	21,240	177
Tornado	04/10/21	3	1,296	432
Tornado	04/10/21	2	864	432
Tornado	04/10/21	6	3,318	553
Tornado	04/10/21	92	10,764	117
Tornado	04/10/21	1	46	46
Tornado	04/10/21	1	144	144
Tornado	04/10/21	20	2,340	117
Tornado	04/10/21	2	1,192	596
Tornado	04/10/21	1	777	777
Tornado	04/10/21	51	7,089	139
Tornado	04/10/21	82	9,184	112
Tornado	04/10/21	62	10,974	177
Tornado	04/10/21	1	489	489
Tornado	04/10/21	1	328	328
Tornado	04/10/21	14	4,088	292
Tornado	04/10/21	13	845	65
Tornado	04/10/21	9	2,601	289
Tornado	04/10/21	77	32,579	517
Tornado	04/10/21	7	2,674	382
Tornado	04/10/21	2	1,670	835
Tornado	04/10/21	62	3,782	61
Tornado	04/10/21	57	12,141	213
Tornado	04/10/21	2	782	391
Tornado	04/10/21	2	846	423
Tornado	04/10/21	3	495	165
Tornado	04/10/21	221	23,426	106
Tornado	04/10/21	1	192	192
Tornado	04/10/21	1	166	166
Tornado	04/10/21	2	442	221
Tornado	04/10/21	11	2,904	264
Tornado	04/10/21	1,712	23,968	14
Tornado	04/10/21	1,160	16,240	14
Tornado	04/10/21	156	2,652	17
Tornado	04/10/21	19	2,888	152
Tornado	04/10/21	1	491	491
Tornado	04/10/21	118	14,915	127
Tornado	04/10/21	2	350	175

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	1	149	149
Tornado	04/10/21	3	348	116
Tornado	04/10/21	1	186	186
Tornado	04/10/21	1,648	28,016	17
Tornado	04/10/21	2	318	159
Tornado	04/10/21	1	171	171
Tornado	04/10/21	1	168	168
Tornado	04/10/21	51	13,005	255
Tornado	04/10/21	110	59,620	542
Tornado	04/10/21	324	174,636	539
Tornado	04/10/21	2	4	2
Tornado	04/10/21	1	45	45
Tornado	04/10/21	1,455	977,760	672
Tornado	04/10/21	1	52	52
Tornado	04/10/21	13	1,976	152
Tornado	04/10/21	2	1,040	520
Tornado	04/10/21	1	329	329
Tornado	04/10/21	1	407	407
Tornado	04/10/21	28	15,960	570
Tornado	04/10/21	1	268	268
Tornado	04/10/21	174	111,186	639
Tornado	04/10/21	1	134	134
Tornado	04/10/21	1	269	269
Tornado	04/10/21	65	20,280	312
Tornado	04/10/21	1	515	515
Tornado	04/10/21	172	107,328	624
Tornado	04/10/21	1	274	274
Tornado	04/10/21	85	31,365	369
Tornado	04/10/21	129	13,932	108
Tornado	04/10/21	154	49,742	323
Tornado	04/10/21	78	75,036	962
Tornado	04/10/21	1	77	77
Tornado	04/10/21	520	127,920	246
Tornado	04/10/21	443	105,877	239
Tornado	04/10/21	1	333	333
Tornado	04/10/21	1	168	168
Tornado	04/10/21	1	579	579
Tornado	04/10/21	45	32,445	722
Tornado	04/10/21	1	214	214
Tornado	04/10/21	1	333	333



<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	35	15,365	439
Tornado	04/10/21	354	124,962	353
Tornado	04/10/21	11	7,876	716
Tornado	04/10/21	2	1,596	798
Tornado	04/10/21	2	998	499
Tornado	04/10/21	26	19,838	764
Tornado	04/10/21	250	21,250	85
Tornado	04/10/21	56	33,880	605
Tornado	04/10/21	6	4,968	828
Tornado	04/10/21	1	213	213
Tornado	04/10/21	8	1,184	148
Tornado	04/10/21	2	296	148
Tornado	04/10/21	4	3,584	896
Tornado	04/10/21	39	18,447	473
Tornado	04/10/21	227	38,817	171
Tornado	04/10/21	1	332	332
Tornado	04/10/21	42	32,256	769
Tornado	04/10/21	92	17,756	193
Tornado	04/10/21	26	14,768	568
Tornado	04/10/21	2,513	80,416	32
Tornado	04/10/21	2,093	163,254	78
Tornado	04/10/21	1	79	79
Tornado	04/10/21	66	31,086	471
Tornado	04/10/21	210	35,490	169
Tornado	04/10/21	1	272	272
Tornado	04/10/21	31	14,849	479
Tornado	04/10/21	49	29,008	592
Tornado	04/10/21	65	10,920	168
Tornado	04/10/21	1	252	252
Tornado	04/10/21	119	19,992	168
Tornado	04/10/21	115	27,370	238
Tornado	04/10/21	27	12,501	463
Tornado	04/10/21	1	274	274
Tornado	04/10/21	17	10,285	605
Tornado	04/10/21	82	45,182	551
Tornado	04/10/21	1	272	272
Tornado	04/10/21	202	54,251	269
Tornado	04/10/21	362	13,756	38
Tornado	04/10/21	84	14,700	175
Tornado	04/10/21	1	95	95

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	1,972	70,992	36
Tornado	04/10/21	647	218,446	458
Tornado	04/10/21	1	476	476
Tornado	04/10/21	1	257	257
Tornado	04/10/21	35	5,670	162
Tornado	04/10/21	7	5,152	736
Tornado	04/10/21	1	545	545
Tornado	04/10/21	5	1,725	345
Tornado	04/10/21	68	28,696	422
Tornado	04/10/21	1	201	201
Tornado	04/10/21	12	1,896	158
Tornado	04/10/21	1	260	260
Tornado	04/10/21	7	1,974	282
Tornado	04/10/21	1	123	123
Tornado	04/10/21	1	46	46
Tornado	04/10/21	1	170	170
Tornado	04/10/21	27	15,741	583
Tornado	04/10/21	1	130	130
Tornado	04/10/21	300	46,800	156
Tornado	04/10/21	1	116	116
Tornado	04/10/21	1	163	163
Tornado	04/10/21	1	190	190
Tornado	04/10/21	1	788	788
Tornado	04/10/21	13	9,282	714
Tornado	04/10/21	54	19,656	364
Tornado	04/10/21	1	1,252	1,252
Tornado	04/10/21	10	5,890	589
Tornado	04/10/21	1	1,078	1,078
Tornado	04/10/21	5	3,385	677
Tornado	04/10/21	1,469	8,052	228
Tornado	04/10/21	2	1,298	649
Tornado	04/10/21	3	5,118	1,706
Tornado	04/10/21	2	1,850	925
Tornado	04/10/21	15	9,990	666
Tornado	04/10/21	1	166	166
Tornado	04/10/21	20	14,640	732
Tornado	04/10/21	957	27,295	263
Tornado	04/10/21	78	19,344	248
Tornado	04/10/21	7	5,747	821
Tornado	04/10/21	7	833	119

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	3	1,350	450
Tornado	04/10/21	20	9,500	475
Tornado	04/10/21	1	126	126
Tornado	04/10/21	1	258	258
Tornado	04/10/21	15	7,830	522
Tornado	04/10/21	1	291	291
Tornado	04/10/21	1	1,415	1,415
Tornado	04/10/21	1	1,219	1,219
Tornado	04/10/21	22	17,776	808
Tornado	04/10/21	7	3,024	432
Tornado	04/10/21	1	49	49
Tornado	04/10/21	1	72	72
Tornado	04/10/21	1	1,007	1,007
Tornado	04/10/21	11	4,917	447
Tornado	04/10/21	6	3,114	519
Tornado	04/10/21	1	46	46
Tornado	04/10/21	1	462	462
Tornado	04/10/21	1	372	372
Tornado	04/10/21	4	1,564	391
Tornado	04/10/21	1	423	423
Tornado	04/10/21	1	122	122
Tornado	04/10/21	1	1,158	1,158
Tornado	04/10/21	2	2,514	1,257
Tornado	04/10/21	1	119	119
Tornado	04/10/21	3	972	324
Tornado	04/10/21	1	456	456
Tornado	04/10/21	40	12,600	315
Tornado	04/10/21	1	657	657
Tornado	04/10/21	1	445	445
Tornado	04/10/21	1	189	189
Tornado	04/10/21	57	17,100	300
Tornado	04/10/21	5	540	108
Tornado	04/10/21	1	412	412
Tornado	04/10/21	1	285	285
Tornado	04/10/21	1	408	408
Tornado	04/10/21	1	197	197
Tornado	04/10/21	1	279	279
Tornado	04/10/21	1,791	59,103	33
Tornado	04/10/21	1	35	35
Tornado	04/10/21	1	213	213

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	2	224	112
Tornado	04/10/21	31	13,547	437
Tornado	04/10/21	1	92	92
Tornado	04/10/21	1	268	268
Tornado	04/10/21	104	6,624	78
Tornado	04/10/21	1	717	717
Tornado	04/10/21	680	14,960	22
Tornado	04/10/21	1	143	143
Tornado	04/10/21	6	4,314	719
Tornado	04/10/21	1	264	264
Tornado	04/10/21	1	667	667
Tornado	04/10/21	1	181	181
Tornado	04/10/21	1	399	399
Tornado	04/10/21	1	472	472
Tornado	04/10/21	1	1,198	1,198
Tornado	04/10/21	116	10,556	91
Tornado	04/10/21	6	678	113
Tornado	04/10/21	41	16,646	406
Tornado	04/10/21	1	250	250
Tornado	04/10/21	25	16,375	655
Tornado	04/10/21	2	810	405
Tornado	04/10/21	222	36,186	163
Tornado	04/10/21	1	498	498
Tornado	04/10/21	30	14,070	469
Tornado	04/10/21	4	1,360	340
Tornado	04/10/21	2	1,090	545
Tornado	04/10/21	2	268	134
Tornado	04/10/21	18	10,710	595
Tornado	04/10/21	7	5,390	770
Tornado	04/10/21	1	233	233
Tornado	04/10/21	1	408	408
Tornado	04/10/21	1	229	229
Tornado	04/10/21	1	62	62
Tornado	04/10/21	1	70	70
Tornado	04/10/21	1	242	242
Tornado	04/10/21	3	198	66
Tornado	04/10/21	1	227	227
Tornado	04/10/21	120	13,320	111
Tornado	04/10/21	1	749	749
Tornado	04/10/21	21	10,416	496

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	1	292	292
Tornado	04/10/21	1	223	223
Tornado	04/10/21	1	212	212
Tornado	04/10/21	1	56	56
Tornado	04/10/21	1	59	59
Tornado	04/10/21	1	423	423
Tornado	04/10/21	1	70	70
Tornado	04/10/21	1	266	266
Tornado	04/10/21	1	219	219
Tornado	04/10/21	1	1,205	1,205
Tornado	04/10/21	3	1,617	539
Tornado	04/10/21	1	192	192
Tornado	04/10/21	24	7,248	302
Tornado	04/10/21	1	1,007	1,007
Tornado	04/10/21	1	117	117
Tornado	04/10/21	1	298	298
Tornado	04/10/21	2	376	188
Tornado	04/10/21	1	305	305
Tornado	04/10/21	72	4,104	57
Tornado	04/10/21	1	292	292
Tornado	04/10/21	3	870	290
Tornado	04/10/21	1	8	8
Tornado	04/10/21	57	8,664	152
Tornado	04/10/21	13	9,282	714
Tornado	04/10/21	6	1,386	231
Tornado	04/10/21	1	390	390
Tornado	04/10/21	2,128	91,504	43
Tornado	04/10/21	1	106	106
Tornado	04/10/21	1	178	178
Tornado	04/10/21	1	383	383
Tornado	04/10/21	21	5,859	279
Tornado	04/10/21	3	2,106	702
Tornado	04/10/21	3	2,100	700
Tornado	04/10/21	1	274	274
Tornado	04/10/21	1	377	377
Tornado	04/10/21	1	38	38
Tornado	04/10/21	73	6,278	86
Tornado	04/10/21	419	62,850	150
Tornado	04/10/21	1	2	294
Tornado	04/10/21	1	738	738

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	4	660	165
Tornado	04/10/21	4	2,048	512
Tornado	04/10/21	1	255	255
Tornado	04/10/21	12	3,552	296
Tornado	04/10/21	1	1,122	1,122
Tornado	04/10/21	1	238	238
Tornado	04/10/21	1	207	207
Tornado	04/10/21	1	145	145
Tornado	04/10/21	1	203	203
Tornado	04/10/21	1	330	330
Tornado	04/10/21	17	2,295	135
Tornado	04/10/21	54	702	13
Tornado	04/10/21	1	15	15
Tornado	04/10/21	1	260	260
Tornado	04/10/21	124	6,324	51
Tornado	04/10/21	1	442	442
Tornado	04/10/21	28	2,100	75
Tornado	04/10/21	1	213	213
Tornado	04/10/21	20	5,240	262
Tornado	04/10/21	12	2,172	181
Tornado	04/10/21	5	1,690	338
Tornado	04/10/21	3	591	197
Tornado	04/10/21	13	234	18
Tornado	04/10/21	35	630	18
Tornado	04/10/21	3	996	332
Tornado	04/10/21	1	605	605
Tornado	04/10/21	1	196	196
Tornado	04/10/21	64	12,288	192
Tornado	04/10/21	10	1,120	112
Tornado	04/10/21	4	1,408	352
Tornado	04/10/21	3	948	316
Tornado	04/10/21	1	1,462	1,462
Tornado	04/10/21	60	1,980	33
Tornado	04/10/21	1	464	464
Tornado	04/10/21	1	275	275
Tornado	04/10/21	15	5,055	337
Tornado	04/10/21	1	22	22
Tornado	04/10/21	58	4,814	83
Tornado	04/10/21	6	2,862	477
Tornado	04/10/21	1	168	168

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	1	77	77
Tornado	04/10/21	93	37,200	400
Tornado	04/10/21	1	86	86
Tornado	04/10/21	2	650	325
Tornado	04/10/21	1	159	159
Tornado	04/10/21	1	259	259
Tornado	04/10/21	1	415	415
Tornado	04/10/21	2	152	76
Tornado	04/10/21	1	401	401
Tornado	04/10/21	46	6,348	138
Tornado	04/10/21	4	556	139
Tornado	04/10/21	76	4,256	56
Tornado	04/10/21	1	118	118
Tornado	04/10/21	1	130	130
Tornado	04/10/21	1	533	533
Tornado	04/10/21	1	70	70
Tornado	04/10/21	11	3,861	351
Tornado	04/10/21	110	13,750	125
Tornado	04/10/21	1	62	62
Tornado	04/10/21	1	19	19
Tornado	04/10/21	2	358	179
Tornado	04/10/21	1	137	137
Tornado	04/10/21	1	147	147
Tornado	04/10/21	1	81	81
Tornado	04/10/21	1	166	166
Tornado	04/10/21	5	245	49
Tornado	04/10/21	1	800	800
Tornado	04/10/21	3	1,725	575
Tornado	04/10/21	1	398	398
Tornado	04/10/21	6	1,914	319
Tornado	04/10/21	4	16	4
Tornado	04/10/21	33	4,818	146
Tornado	04/10/21	2	464	232
Tornado	04/10/21	1	81	81
Tornado	04/10/21	1	635	635
Tornado	04/10/21	91	12,649	139
Tornado	04/10/21	1	134	134
Tornado	04/10/21	5	510	102
Tornado	04/10/21	1	66	66
Tornado	04/10/21	8	3,920	490

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	1	919	919
Tornado	04/10/21	1	955	955
Tornado	04/10/21	1	790	790
Tornado	04/10/21	3	1,449	483
Tornado	04/10/21	1	106	106
Tornado	04/10/21	1	104	104
Tornado	04/10/21	1	114	114
Tornado	04/10/21	1	164	164
Tornado	04/10/21	1	142	142
Tornado	04/10/21	1	111	111
Tornado	04/10/21	1	888	888
Tornado	04/10/21	1	79	79
Tornado	04/10/21	1	194	194
Tornado	04/10/21	20	6,560	328
Tornado	04/10/21	6	1,188	198
Tornado	04/10/21	1	92	92
Tornado	04/10/21	4	1,908	477
Tornado	04/10/21	1	86	86
Tornado	04/10/21	1	54	54
Tornado	04/10/21	4	176	44
Tornado	04/10/21	11	451	41
Tornado	04/10/21	4	164	41
Tornado	04/10/21	1	225	225
Tornado	04/10/21	9	459	51
Tornado	04/10/21	5	1,725	345
Tornado	04/10/21	1	1,014	1,014
Tornado	04/10/21	1	129	129
Tornado	04/10/21	3	147	49
Tornado	04/10/21	1	23	23
Tornado	04/10/21	1	77	77
Tornado	04/10/21	1	75	75
Tornado	04/10/21	1	36	36
Tornado	04/10/21	3	1,059	353
Tornado	04/10/21	1	303	303
Tornado	04/10/21	1	21	21
Tornado	04/10/21	3	243	188
Tornado	04/10/21	3	1,041	347
Tornado	04/10/21	27	2,187	81
Tornado	04/10/21	1	72	72
Tornado	04/10/21	418	71,478	171



<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/10/21	3	531	177
Tornado	04/10/21	52	5,096	98
Tornado	04/10/21	1	43	43
Tornado	04/10/21	1	27	27
Tornado	04/10/21	4	988	247
Tornado	04/10/21	1	121	121
Tornado	04/10/21	1	38	38
Tornado	04/10/21	1	159	159
Tornado	04/10/21	1	111	111
Tornado	04/10/21	1	61	61
Tornado	04/10/21	3	258	86
Tornado	04/10/21	1	192	192
Tornado	04/10/21	1	190	190
Tornado	04/10/21	23	851	37
Tornado	04/10/21	1	48	48
Tornado	04/10/21	3	309	103
Tornado	04/10/21	38	8,778	231
Tornado	04/10/21	25	2,425	97
Tornado	04/10/21	55	8,117	155
Tornado	04/10/21	11	1,914	174
Tornado	04/10/21	1	891	891
Tornado	04/10/21	1	304	304
Tornado	04/10/21	1	83	83
Tornado	04/10/21	7	2,016	288
Tornado	04/10/21	1	839	839
Tornado	04/10/21	1	51	51
Tornado	04/10/21	4	1,144	286
Tornado	04/10/21	1	69	69
Tornado	04/10/21	1	118	118
Tornado	04/10/21	1	296	296
Tornado	04/10/21	96	4,128	43
Tornado	04/10/21	1	772	772
Tornado	04/10/21	8	184	23
Tornado	04/10/21	7	1,799	257
Tornado	04/10/21	3	339	113
Tornado	04/11/21	1	377	377
Tornado	04/11/21	3	180	60
Tornado	04/11/21	22	1,892	121
Tornado	04/11/21	6	918	153
Tornado	04/11/21	1	53	53

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/11/21	1	276	276
Tornado	04/11/21	1	164	164
Tornado	04/11/21	458	53,028	126
Tornado	04/11/21	6	2,064	344
Tornado	04/11/21	3	63	21
Tornado	04/11/21	7	560	80
Tornado	04/11/21	43	3,354	78
Tornado	04/11/21	1	307	307
Tornado	04/11/21	1	167	167
Tornado	04/11/21	1	59	59
Tornado	04/11/21	82	6,478	79
Tornado	04/11/21	27	8,964	332
Tornado	04/11/21	1	166	166
Tornado	04/11/21	1	83	83
Tornado	04/11/21	104	5,824	56
Tornado	04/11/21	1	22	22
Tornado	04/11/21	1	169	169
Tornado	04/11/21	1	125	125
Tornado	04/11/21	1	18	18
Tornado	04/11/21	1	174	174
Tornado	04/11/21	2	104	52
Tornado	04/11/21	1	46	46
Tornado	04/11/21	1	42	42
Tornado	04/11/21	16	512	32
Tornado	04/11/21	104	6,656	64
Tornado	04/11/21	1	83	83
Tornado	04/11/21	1	53	53
Tornado	04/11/21	1	60	60
Tornado	04/11/21	1	41	41
Tornado	04/11/21	1	115	115
Tornado	04/11/21	1	76	76
Tornado	04/11/21	1	39	39
Tornado	04/11/21	1	38	38
Tornado	04/11/21	1	35	35
Tornado	04/11/21	1	133	133
Tornado	04/11/21	1	154	154
Tornado	04/11/21	3,299	13,196	4
Tornado	04/11/21	1	71	71
Tornado	04/11/21	1	81	81
Tornado	04/11/21	1	43	43

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tornado	04/11/21	87	3,741	43
Tornado	04/11/21	1,005	34,032	56
Tornado	04/11/21	1	84	84
Tornado	04/11/21	1	53	53
Tornado	04/11/21	1	22	22
Tornado	04/11/21	1	100	100
Tornado	04/11/21	1	80	80
Tornado	04/11/21	1	3	3
Tornado	04/11/21	1	87	87
Tornado	04/11/21	4	560	140
Tornado	04/11/21	1	118	118
Tornado	04/11/21	3	63	21
Tornado	04/11/21	1	72	72
Tornado	04/11/21	1	44	44
Tornado	04/11/21	1	41	41
Tornado	04/11/21	1	41	41
Tornado	04/11/21	1	143	143
Tornado	04/11/21	1	171	171
Tornado	04/11/21	1	92	92
Tornado	04/11/21	1	66	66
Tornado	04/11/21	1	68	68
Tornado	04/11/21	18	864	48
Tornado	04/11/21	4	524	131
Tornado	04/11/21	1	43	43
Tornado	04/11/21	3	105	35
Tornado	04/11/21	1	162	162
Tornado	04/11/21	10	1,250	125
Tornado	04/11/21	9	486	54
Tornado	04/11/21	1	120	120
Tornado	04/11/21	7	651	93
Tornado	04/11/21	3	213	71
Tornado	04/11/21	24	168	7
Tropical Storm	06/19/21	2	326	163
Tropical Storm	06/19/21	1	63	63
Tropical Storm	06/19/21	5	320	64
Tropical Storm	06/19/21	3	345	115
Tropical Storm	06/19/21	2	234	117
Tropical Storm	06/19/21	1	138	138
Tropical Storm	06/19/21	2	110	55
Tropical Storm	06/19/21	2	130	65

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	06/19/21	1	56	56
Tropical Storm	06/19/21	5	520	104
Tropical Storm	06/19/21	969	85,891	325
Tropical Storm	06/19/21	33	2,579	127
Tropical Storm	06/19/21	39	9,048	232
Tropical Storm	06/19/21	39	2,106	54
Tropical Storm	06/19/21	45	3,960	88
Tropical Storm	06/19/21	2	720	360
Tropical Storm	06/19/21	3	519	173
Tropical Storm	06/19/21	2	260	130
Tropical Storm	06/19/21	8	728	91
Tropical Storm	06/19/21	19	912	48
Tropical Storm	06/19/21	4	1,292	323
Tropical Storm	06/19/21	169	10,985	65
Tropical Storm	06/19/21	2	702	351
Tropical Storm	06/19/21	69	5,727	83
Tropical Storm	06/19/21	79	4,819	61
Tropical Storm	06/19/21	1	21	21
Tropical Storm	06/19/21	1	20	20
Tropical Storm	06/19/21	33	13,761	417
Tropical Storm	06/19/21	1	626	626
Tropical Storm	06/19/21	778	43,568	56
Tropical Storm	06/19/21	3	1,521	507
Tropical Storm	06/19/21	61	17,629	289
Tropical Storm	06/19/21	282	35,759	272
Tropical Storm	06/19/21	45	5,580	124
Tropical Storm	06/19/21	7	3,626	518
Tropical Storm	06/19/21	1	95	95
Tropical Storm	06/19/21	2,209	238,572	108
Tropical Storm	06/19/21	3	1,620	540
Tropical Storm	06/19/21	17	4,590	270
Tropical Storm	06/19/21	46	9,936	216
Tropical Storm	06/19/21	1	62	62
Tropical Storm	06/19/21	6	2,544	424
Tropical Storm	06/19/21	117	3,978	34
Tropical Storm	06/19/21	129	36,120	280
Tropical Storm	06/19/21	13	5,291	407
Tropical Storm	06/19/21	2	452	226
Tropical Storm	06/19/21	43	10,277	239
Tropical Storm	06/19/21	6	1,668	278

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	06/19/21	169	41,067	243
Tropical Storm	06/19/21	3	1,392	464
Tropical Storm	06/19/21	23	8,349	363
Tropical Storm	06/19/21	48	12,816	267
Tropical Storm	06/19/21	5	2,550	510
Tropical Storm	06/19/21	55	11,055	201
Tropical Storm	06/19/21	35	7,420	212
Tropical Storm	06/19/21	2	506	253
Tropical Storm	06/19/21	75	5,400	72
Tropical Storm	06/19/21	104	29,120	280
Tropical Storm	06/19/21	41	10,578	258
Tropical Storm	06/19/21	40	11,480	287
Tropical Storm	06/19/21	13	2,015	155
Tropical Storm	06/19/21	4	1,996	499
Tropical Storm	06/19/21	22	15,136	688
Tropical Storm	06/19/21	25	9,625	385
Tropical Storm	06/19/21	1,020	401,645	578
Tropical Storm	06/19/21	348	38,976	112
Tropical Storm	06/19/21	1	565	565
Tropical Storm	06/19/21	28	29,176	1,042
Tropical Storm	06/19/21	13	3,588	276
Tropical Storm	06/19/21	13	4,862	374
Tropical Storm	06/19/21	2	780	390
Tropical Storm	06/19/21	2	1,182	591
Tropical Storm	06/19/21	2,378	57,072	24
Tropical Storm	06/19/21	90	22,230	247
Tropical Storm	06/19/21	24	10,176	424
Tropical Storm	06/19/21	266	25,536	96
Tropical Storm	06/19/21	2	404	202
Tropical Storm	06/19/21	13	3,575	275
Tropical Storm	06/19/21	169	10,309	61
Tropical Storm	06/19/21	250	26,750	107
Tropical Storm	06/19/21	23	3,381	147
Tropical Storm	06/19/21	67	9,514	142
Tropical Storm	06/19/21	2	322	161
Tropical Storm	06/19/21	15	7,080	472
Tropical Storm	06/19/21	34	7,514	221
Tropical Storm	06/19/21	2	908	454
Tropical Storm	06/19/21	2	1,370	685
Tropical Storm	06/19/21	10	4,316	464

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	06/19/21	1	506	506
Tropical Storm	06/19/21	80	5,760	72
Tropical Storm	06/19/21	30	8,640	288
Tropical Storm	06/19/21	856	56,496	66
Tropical Storm	06/19/21	55	9,405	171
Tropical Storm	06/19/21	17	4,318	254
Tropical Storm	06/19/21	9	3,978	442
Tropical Storm	06/19/21	20	6,100	305
Tropical Storm	06/19/21	4	2,300	575
Tropical Storm	06/19/21	30	7,110	237
Tropical Storm	06/19/21	34	6,120	180
Tropical Storm	06/19/21	15	7,563	681
Tropical Storm	06/19/21	2	1,408	704
Tropical Storm	06/19/21	9	4,104	456
Tropical Storm	06/19/21	14	10,192	728
Tropical Storm	06/19/21	467	28,487	61
Tropical Storm	06/19/21	4	2,204	551
Tropical Storm	06/19/21	1	739	739
Tropical Storm	06/19/21	1	486	486
Tropical Storm	06/19/21	2	1,012	506
Tropical Storm	06/19/21	13	4,461	381
Tropical Storm	06/19/21	5	2,400	480
Tropical Storm	06/19/21	442	13,260	30
Tropical Storm	06/19/21	67	21,902	474
Tropical Storm	06/19/21	44	9,372	213
Tropical Storm	06/19/21	466	24,698	53
Tropical Storm	06/19/21	2	812	406
Tropical Storm	06/19/21	3	1,329	443
Tropical Storm	06/19/21	29	6,148	212
Tropical Storm	06/19/21	1	657	657
Tropical Storm	06/19/21	1	274	274
Tropical Storm	06/19/21	3	1,440	480
Tropical Storm	06/19/21	32	1,664	52
Tropical Storm	06/19/21	43	8,643	201
Tropical Storm	06/19/21	38	7,600	200
Tropical Storm	06/19/21	1	76	76
Tropical Storm	06/19/21	4	172	43
Tropical Storm	06/19/21	15	1,470	98
Tropical Storm	06/19/21	3	1,569	523
Tropical Storm	06/19/21	1	63	63

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	06/19/21	8	3,352	419
Tropical Storm	06/19/21	46	3,450	75
Tropical Storm	06/19/21	80	6,560	82
Tropical Storm	06/19/21	1	450	450
Tropical Storm	06/19/21	1	30	30
Tropical Storm	06/19/21	32	8,164	569
Tropical Storm	06/19/21	1	278	278
Tropical Storm	06/19/21	1	46	46
Tropical Storm	06/19/21	18	6,624	368
Tropical Storm	06/19/21	8	664	83
Tropical Storm	06/19/21	46	10,488	228
Tropical Storm	06/19/21	1	542	542
Tropical Storm	06/19/21	64	10,176	159
Tropical Storm	06/19/21	1	761	761
Tropical Storm	06/19/21	113	23,052	204
Tropical Storm	06/19/21	2	34	17
Tropical Storm	06/19/21	12	3,588	299
Tropical Storm	06/19/21	28	10,612	379
Tropical Storm	06/19/21	196	15,288	78
Tropical Storm	06/19/21	2	826	413
Tropical Storm	06/19/21	1	700	700
Tropical Storm	06/19/21	91	16,289	179
Tropical Storm	06/19/21	1	275	275
Tropical Storm	06/19/21	1	402	402
Tropical Storm	06/19/21	103	1,339	13
Tropical Storm	06/19/21	4	588	147
Tropical Storm	06/19/21	1	37	37
Tropical Storm	06/19/21	12	5,352	446
Tropical Storm	06/19/21	2	780	390
Tropical Storm	06/19/21	80	6,960	87
Tropical Storm	06/19/21	34	2,312	68
Tropical Storm	06/19/21	11	3,883	353
Tropical Storm	06/19/21	40	21,800	545
Tropical Storm	06/19/21	1	41	41
Tropical Storm	06/19/21	1	65	65
Tropical Storm	06/19/21	64	11,520	180
Tropical Storm	06/19/21	38	4,940	130
Tropical Storm	06/19/21	26	6,162	237
Tropical Storm	06/19/21	13	611	47
Tropical Storm	06/19/21	2	408	204

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	06/19/21	78	7,176	92
Tropical Storm	06/19/21	175	16,800	96
Tropical Storm	06/19/21	29	10,527	363
Tropical Storm	06/19/21	1	51	51
Tropical Storm	06/19/21	3	918	306
Tropical Storm	06/19/21	1	387	387
Tropical Storm	06/19/21	36	5,148	143
Tropical Storm	06/19/21	11	1,386	126
Tropical Storm	06/19/21	58	7,888	136
Tropical Storm	06/19/21	3	792	264
Tropical Storm	06/19/21	19	3,933	207
Tropical Storm	06/19/21	6	2,724	454
Tropical Storm	06/19/21	1	237	237
Tropical Storm	06/19/21	2	180	90
Tropical Storm	06/19/21	77	12,243	159
Tropical Storm	06/19/21	1	3	3
Tropical Storm	06/19/21	31	2,387	77
Tropical Storm	06/19/21	28	5,628	201
Tropical Storm	06/19/21	45	11,700	260
Tropical Storm	06/19/21	82	9,758	119
Tropical Storm	06/19/21	55	6,435	117
Tropical Storm	06/19/21	1	209	209
Tropical Storm	06/19/21	55	19,250	350
Tropical Storm	06/19/21	20	1,040	52
Tropical Storm	06/19/21	1	277	277
Tropical Storm	06/19/21	1	31	31
Tropical Storm	06/19/21	18	2,196	122
Tropical Storm	06/19/21	90	13,410	149
Tropical Storm	06/19/21	6	600	100
Tropical Storm	06/19/21	1	131	131
Tropical Storm	06/19/21	4	216	54
Tropical Storm	06/19/21	2	252	126
Tropical Storm	06/19/21	1	350	350
Tropical Storm	06/19/21	5	955	191
Tropical Storm	06/19/21	1	221	221
Tropical Storm	06/19/21	1	191	191
Tropical Storm	06/19/21	2	122	61
Tropical Storm	06/19/21	1	299	299
Tropical Storm	06/19/21	615	28,905	47
Tropical Storm	06/19/21	94	13,724	146



<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	06/19/21	141	8,235	214
Tropical Storm	06/19/21	2	216	108
Tropical Storm	06/19/21	37	9,213	249
Tropical Storm	06/19/21	2	598	299
Tropical Storm	06/19/21	24	2,832	118
Tropical Storm	06/19/21	25	3,275	131
Tropical Storm	06/19/21	116	16,472	142
Tropical Storm	06/19/21	30	11,850	395
Tropical Storm	06/19/21	6	1,074	179
Tropical Storm	06/19/21	25	4,275	171
Tropical Storm	06/19/21	1	121	121
Tropical Storm	06/19/21	1	283	283
Tropical Storm	06/19/21	1	73	73
Tropical Storm	06/19/21	1	259	259
Tropical Storm	06/19/21	1	453	453
Tropical Storm	06/19/21	18	1,584	88
Tropical Storm	06/19/21	9	792	88
Tropical Storm	06/19/21	1	220	220
Tropical Storm	06/19/21	4	488	122
Tropical Storm	06/19/21	1	93	93
Tropical Storm	06/19/21	1	146	146
Tropical Storm	06/19/21	48	4,512	94
Tropical Storm	06/19/21	45	4,770	106
Tropical Storm	06/19/21	1	139	139
Tropical Storm	06/19/21	1	93	93
Tropical Storm	06/19/21	4	192	48
Tropical Storm	06/19/21	1	50	50
Tropical Storm	06/19/21	1	119	119
Tropical Storm	06/19/21	1	130	130
Tropical Storm	06/19/21	155	17,050	110
Tropical Storm	06/19/21	47	10,528	224
Tropical Storm	06/19/21	1	131	131
Tropical Storm	06/19/21	41	4,879	119
Tropical Storm	06/19/21	141	4,512	32
Tropical Storm	06/19/21	4	524	131
Tropical Storm	06/19/21	86	10,741	131
Tropical Storm	06/19/21	28	2,072	74
Tropical Storm	06/19/21	4	1,428	357
Tropical Storm	06/19/21	1	105	105
Tropical Storm	06/19/21	339	19,020	68

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	06/19/21	103	11,639	113
Tropical Storm	06/19/21	2	376	188
Tropical Storm	06/19/21	2	376	188
Tropical Storm	06/19/21	1	49	49
Tropical Storm	06/19/21	2	710	355
Tropical Storm	06/19/21	1	201	201
Tropical Storm	06/19/21	6	558	93
Tropical Storm	06/19/21	37	1,036	28
Tropical Storm	06/19/21	1	119	119
Tropical Storm	06/19/21	83	4,731	57
Tropical Storm	06/19/21	7	770	110
Tropical Storm	06/19/21	4	460	115
Tropical Storm	06/19/21	1	43	43
Tropical Storm	06/19/21	283	18,112	64
Tropical Storm	06/19/21	4	36	9
Tropical Storm	06/19/21	1	93	93
Tropical Storm	06/19/21	7	637	91
Tropical Storm	06/19/21	1	133	133
Tropical Storm	06/19/21	1	95	95
Tropical Storm	06/19/21	1	87	87
Tropical Storm	06/19/21	2	96	48
Tropical Storm	06/19/21	2	104	52
Tropical Storm	06/19/21	1	162	162
Tropical Storm	06/19/21	4	572	143
Tropical Storm	06/19/21	3	24	8
Tropical Storm	06/19/21	1	114	114
Tropical Storm	06/19/21	1	2	2
Tropical Storm	06/19/21	11	121	11
Tropical Storm	06/19/21	1	109	109
Tropical Storm	06/19/21	1	148	148
Tropical Storm	06/19/21	1	160	160
Tropical Storm	06/19/21	1	130	130
Tropical Storm	06/19/21	1	91	91
Tropical Storm	06/19/21	1	77	77
Tropical Storm	06/19/21	1	47	47
Tropical Storm	06/19/21	37	5,809	157
Tropical Storm	06/19/21	1	100	100
Tropical Storm	06/19/21	1	229	229
Tropical Storm	06/19/21	1	438	438
Tropical Storm	06/19/21	141	7,191	51

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	06/19/21	235	21,620	92
Tropical Storm	06/19/21	1	62	62
Tropical Storm	06/19/21	2	202	101
Tropical Storm	06/19/21	57	6,384	112
Tropical Storm	06/19/21	256	12,800	50
Tropical Storm	06/19/21	1	81	81
Tropical Storm	06/19/21	1	115	115
Tropical Storm	06/19/21	1	72	72
Tropical Storm	06/19/21	2	176	88
Tropical Storm	06/19/21	2	444	222
Tropical Storm	06/19/21	12	756	63
Tropical Storm	06/19/21	1	74	74
Tropical Storm	06/19/21	1	62	62
Tropical Storm	06/19/21	1	109	109
Tropical Storm	06/19/21	21	1,281	61
Tropical Storm	06/19/21	1	168	168
Tropical Storm	06/19/21	1	100	100
Tropical Storm	06/19/21	233	16,543	71
Tropical Storm	06/19/21	1	51	51
Tropical Storm	06/19/21	3	633	211
Tropical Storm	06/19/21	1	88	88
Tropical Storm	06/19/21	1	29	29
Tropical Storm	06/19/21	15	645	43
Tropical Storm	06/19/21	11	429	39
Tropical Storm	06/19/21	1	67	67
Tropical Storm	06/19/21	1	188	188
Tropical Storm	06/19/21	1	72	72
Tropical Storm	06/19/21	1	87	87
Tropical Storm	06/19/21	1	81	81
Tropical Storm	06/19/21	1	96	96
Tropical Storm	06/19/21	1	146	146
Tropical Storm	06/19/21	1	116	116
Tropical Storm	06/19/21	1	36	36
Tropical Storm	06/19/21	23	1,702	74
Tropical Storm	06/19/21	6	408	68
Tropical Storm	06/19/21	1	126	126
Tropical Storm	06/19/21	4	108	27
Tropical Storm	06/19/21	165	29,205	177
Tropical Storm	06/19/21	49	882	18
Tropical Storm	06/19/21	6	726	121

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	06/19/21	1	56	56
Tropical Storm	06/19/21	74	1,332	18
Tropical Storm	06/19/21	34	612	18
Tropical Storm	06/19/21	1	27	27
Tropical Storm	06/19/21	1	85	85
Tropical Storm	06/19/21	1	4	4
Tropical Storm	06/19/21	1	80	80
Tropical Storm	06/19/21	15	1,425	95
Tropical Storm	06/19/21	1	127	127
Tropical Storm	06/19/21	1	73	73
Tropical Storm	06/19/21	1	83	83
Tropical Storm	06/19/21	1	64	64
Tropical Storm	06/20/21	2	176	88
Tropical Storm	06/20/21	26	2,756	106
Tropical Storm	06/20/21	1	126	126
Tropical Storm	06/20/21	1	47	47
Tropical Storm	06/20/21	1	131	131
Tropical Storm	06/20/21	4	240	60
Tropical Storm	06/20/21	35	1,750	50
Tropical Storm	06/20/21	1	70	70
Tropical Storm	06/20/21	78	19,734	253
Tropical Storm	06/20/21	91	10,101	111
Tropical Storm	06/20/21	42	6,426	153
Tropical Storm	06/20/21	1	100	100
Tropical Storm	06/20/21	101	4,848	48
Tropical Storm	06/20/21	3	177	59
Tropical Storm	06/20/21	5	495	99
Tropical Storm	06/20/21	1	48	48
Tropical Storm	06/20/21	1	55	55
Tropical Storm	06/20/21	35	2,660	76
Tropical Storm	06/20/21	1	90	90
Tropical Storm	06/20/21	1	64	64
Tropical Storm	06/20/21	1	85	85
Tropical Storm	06/20/21	1	44	44
Tropical Storm	06/20/21	4	372	93
Tropical Storm	06/20/21	2	274	137
Tropical Storm	06/20/21	1	133	133
Tropical Storm	06/20/21	4	356	89
Tropical Storm	06/20/21	11	1,694	154
Tropical Storm	06/20/21	2	128	64

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	06/20/21	3	81	27
Tropical Storm	06/20/21	7	238	34
Tropical Storm	06/20/21	13	1,157	89
Tropical Storm	06/20/21	507	31,966	64
Tropical Storm	06/20/21	1	71	71
Tropical Storm	06/20/21	2	376	188
Tropical Storm	06/20/21	35	4,095	117
Tropical Storm	06/20/21	1	50	50
Tropical Storm	06/20/21	1	39	39
Tropical Storm	06/20/21	2	128	64
Tropical Storm	06/20/21	1	105	105
Tropical Storm	06/20/21	4	336	84
Tropical Storm	06/20/21	1	93	93
Tropical Storm	06/20/21	47	4,653	99
Tropical Storm	06/20/21	1	8	8
Tropical Storm	06/20/21	2	136	68
Tropical Storm	06/20/21	1	97	97
Tropical Storm	06/20/21	23	1,725	75
Tropical Storm	06/20/21	1	47	47
Tropical Storm	06/20/21	1	128	128
Tropical Storm	06/20/21	1	70	70
Tropical Storm	06/20/21	1	142	142
Tropical Storm	06/20/21	2	196	98
Tropical Storm	06/20/21	66	5,082	77
Tropical Storm	06/20/21	1	114	114
Tropical Storm	06/20/21	37	1,369	37
Tropical Storm	06/20/21	1	88	88
Tropical Storm	06/20/21	22	6,688	304
Tropical Storm	06/20/21	326	34,559	107
Tropical Storm	08/16/21	36	3,208	198
Tropical Storm	08/16/21	137	4,521	33
Tropical Storm	08/16/21	2	326	163
Tropical Storm	08/16/21	1	67	67
Tropical Storm	08/16/21	1	96	96
Tropical Storm	08/16/21	1	38	38
Tropical Storm	08/16/21	1	153	153
Tropical Storm	08/16/21	7	476	68
Tropical Storm	08/16/21	4	232	58
Tropical Storm	08/16/21	4	200	50
Tropical Storm	08/16/21	5	260	52

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	08/16/21	1	35	35
Tropical Storm	08/16/21	77	5,236	68
Tropical Storm	08/16/21	2	74	37
Tropical Storm	08/16/21	2	192	96
Tropical Storm	08/16/21	1	104	104
Tropical Storm	08/16/21	1,833	137,475	75
Tropical Storm	08/16/21	4	504	126
Tropical Storm	08/16/21	15	1,590	106
Tropical Storm	08/16/21	1	122	122
Tropical Storm	08/16/21	39	3,588	92
Tropical Storm	08/16/21	1	263	263
Tropical Storm	08/16/21	614	24,352	62
Tropical Storm	08/16/21	19	2,280	120
Tropical Storm	08/16/21	2,280	107,397	103
Tropical Storm	08/16/21	14	1,764	126
Tropical Storm	08/16/21	228	50,898	293
Tropical Storm	08/16/21	5	1,570	314
Tropical Storm	08/16/21	8	1,032	129
Tropical Storm	08/16/21	87	12,006	138
Tropical Storm	08/16/21	3	894	298
Tropical Storm	08/16/21	2	118	59
Tropical Storm	08/16/21	1	169	169
Tropical Storm	08/16/21	8	1,328	166
Tropical Storm	08/16/21	1	82	82
Tropical Storm	08/16/21	55	8,635	157
Tropical Storm	08/16/21	25	3,875	155
Tropical Storm	08/16/21	6	366	61
Tropical Storm	08/16/21	6	300	50
Tropical Storm	08/16/21	85	6,715	79
Tropical Storm	08/16/21	1	104	104
Tropical Storm	08/16/21	157	6,437	41
Tropical Storm	08/16/21	1	3	3
Tropical Storm	08/16/21	2	82	41
Tropical Storm	08/16/21	57	6,897	121
Tropical Storm	08/16/21	1	380	380
Tropical Storm	08/16/21	24	4,920	205
Tropical Storm	08/16/21	45	9,045	201
Tropical Storm	08/16/21	36	7,884	219
Tropical Storm	08/16/21	1	276	276
Tropical Storm	08/16/21	8	496	62

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	08/16/21	110	10,120	92
Tropical Storm	08/16/21	404	27,472	68
Tropical Storm	08/16/21	84	15,762	268
Tropical Storm	08/16/21	21	4,263	203
Tropical Storm	08/16/21	7	651	93
Tropical Storm	08/16/21	10	1,520	152
Tropical Storm	08/16/21	16	784	49
Tropical Storm	08/16/21	6	402	67
Tropical Storm	08/16/21	1	95	95
Tropical Storm	08/16/21	1	103	103
Tropical Storm	08/16/21	576	76,608	133
Tropical Storm	08/16/21	6	2,304	384
Tropical Storm	08/16/21	43	10,836	252
Tropical Storm	08/16/21	1	90	90
Tropical Storm	08/16/21	2	628	314
Tropical Storm	08/16/21	613	82,755	135
Tropical Storm	08/16/21	30	3,630	121
Tropical Storm	08/16/21	2	284	142
Tropical Storm	08/16/21	88	20,944	238
Tropical Storm	08/16/21	901	79,485	209
Tropical Storm	08/16/21	95	3,515	37
Tropical Storm	08/16/21	1	823	823
Tropical Storm	08/16/21	2	288	144
Tropical Storm	08/16/21	2	270	135
Tropical Storm	08/16/21	5	1,035	207
Tropical Storm	08/16/21	18	2,538	141
Tropical Storm	08/16/21	70	8,260	118
Tropical Storm	08/16/21	51	11,832	232
Tropical Storm	08/16/21	1	354	354
Tropical Storm	08/16/21	124	7,316	59
Tropical Storm	08/16/21	133	38,443	269
Tropical Storm	08/16/21	1	207	207
Tropical Storm	08/16/21	1	198	198
Tropical Storm	08/16/21	118	12,980	110
Tropical Storm	08/16/21	1	273	273
Tropical Storm	08/16/21	1	205	205
Tropical Storm	08/16/21	8	2,040	255
Tropical Storm	08/16/21	2	430	215
Tropical Storm	08/16/21	46	7,958	173
Tropical Storm	08/16/21	204	13,668	67

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	08/16/21	1	245	245
Tropical Storm	08/16/21	45	9,225	205
Tropical Storm	08/16/21	1	513	513
Tropical Storm	08/16/21	1	228	228
Tropical Storm	08/16/21	1	337	337
Tropical Storm	08/16/21	82	8,118	99
Tropical Storm	08/16/21	143	16,534	204
Tropical Storm	08/16/21	1	169	169
Tropical Storm	08/16/21	5	855	171
Tropical Storm	08/16/21	1	264	264
Tropical Storm	08/16/21	1	229	229
Tropical Storm	08/16/21	1	248	248
Tropical Storm	08/16/21	40	1,520	38
Tropical Storm	08/16/21	1	146	146
Tropical Storm	08/16/21	106	16,324	154
Tropical Storm	08/16/21	3	174	58
Tropical Storm	08/16/21	3	1,125	375
Tropical Storm	08/16/21	45	6,390	142
Tropical Storm	08/16/21	2,448	141,984	58
Tropical Storm	08/16/21	36	5,508	153
Tropical Storm	08/16/21	20	4,020	201
Tropical Storm	08/16/21	1	148	148
Tropical Storm	08/16/21	105	11,970	114
Tropical Storm	08/16/21	461	142,257	326
Tropical Storm	08/16/21	11	7,205	655
Tropical Storm	08/16/21	12	2,640	220
Tropical Storm	08/16/21	9	2,574	286
Tropical Storm	08/16/21	68	9,316	137
Tropical Storm	08/16/21	8	920	115
Tropical Storm	08/16/21	44	6,600	150
Tropical Storm	08/16/21	24	2,208	92
Tropical Storm	08/16/21	27	7,487	381
Tropical Storm	08/16/21	166	16,268	98
Tropical Storm	08/16/21	70	9,870	141
Tropical Storm	08/16/21	4	736	184
Tropical Storm	08/16/21	82	13,366	163
Tropical Storm	08/16/21	2	178	89
Tropical Storm	08/16/21	3	1,053	351
Tropical Storm	08/16/21	1	13	13
Tropical Storm	08/16/21	19	1,900	100



<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	08/16/21	1	202	202
Tropical Storm	08/16/21	2	898	449
Tropical Storm	08/16/21	2	464	232
Tropical Storm	08/16/21	2	348	174
Tropical Storm	08/16/21	101	25,957	257
Tropical Storm	08/16/21	45	11,610	258
Tropical Storm	08/16/21	40	11,960	299
Tropical Storm	08/16/21	106	35,698	481
Tropical Storm	08/16/21	1	201	201
Tropical Storm	08/16/21	49	13,720	280
Tropical Storm	08/16/21	4	1,040	260
Tropical Storm	08/16/21	2	702	351
Tropical Storm	08/16/21	2	142	71
Tropical Storm	08/16/21	210	25,200	120
Tropical Storm	08/16/21	4	1,020	255
Tropical Storm	08/16/21	37	5,994	162
Tropical Storm	08/16/21	961	74,958	78
Tropical Storm	08/16/21	68	15,096	222
Tropical Storm	08/16/21	16	9,072	567
Tropical Storm	08/16/21	2,355	176,625	75
Tropical Storm	08/16/21	11	3,300	300
Tropical Storm	08/16/21	1	113	113
Tropical Storm	08/16/21	1	157	157
Tropical Storm	08/16/21	18	1,872	104
Tropical Storm	08/16/21	1	176	176
Tropical Storm	08/16/21	2	1,386	693
Tropical Storm	08/16/21	1	151	151
Tropical Storm	08/16/21	1	99	99
Tropical Storm	08/16/21	1,163	128,220	326
Tropical Storm	08/16/21	1	138	138
Tropical Storm	08/16/21	19	1,672	88
Tropical Storm	08/16/21	2	1,124	562
Tropical Storm	08/16/21	30	3,270	109
Tropical Storm	08/16/21	49	6,615	135
Tropical Storm	08/16/21	1	586	586
Tropical Storm	08/16/21	1	924	924
Tropical Storm	08/16/21	1	384	384
Tropical Storm	08/16/21	1	135	135
Tropical Storm	08/16/21	1	111	111
Tropical Storm	08/16/21	3	633	211

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	08/16/21	1	378	378
Tropical Storm	08/16/21	20	20	42
Tropical Storm	08/16/21	1	138	138
Tropical Storm	08/16/21	63	14,742	234
Tropical Storm	08/16/21	18	3,024	137
Tropical Storm	08/16/21	988	480,540	699
Tropical Storm	08/16/21	1	376	376
Tropical Storm	08/16/21	1	127	127
Tropical Storm	08/16/21	1	134	134
Tropical Storm	08/16/21	1	55	56
Tropical Storm	08/16/21	1	176	176
Tropical Storm	08/16/21	133	72,133	631
Tropical Storm	08/16/21	72	14,472	201
Tropical Storm	08/16/21	1	264	264
Tropical Storm	08/16/21	6	1,818	303
Tropical Storm	08/16/21	1	196	196
Tropical Storm	08/16/21	2	862	431
Tropical Storm	08/16/21	1	468	468
Tropical Storm	08/16/21	35	455	13
Tropical Storm	08/16/21	23	7,360	320
Tropical Storm	08/16/21	1	238	238
Tropical Storm	08/16/21	74	9,074	141
Tropical Storm	08/16/21	2	428	214
Tropical Storm	08/16/21	1	68	68
Tropical Storm	08/16/21	8	1,384	173
Tropical Storm	08/16/21	24	3,360	140
Tropical Storm	08/16/21	2	2,036	1,018
Tropical Storm	08/16/21	105	18,097	389
Tropical Storm	08/16/21	1	100	100
Tropical Storm	08/16/21	157	14,915	95
Tropical Storm	08/16/21	1	32	32
Tropical Storm	08/16/21	1	291	291
Tropical Storm	08/16/21	7	735	105
Tropical Storm	08/16/21	6	522	87
Tropical Storm	08/16/21	1	37	37
Tropical Storm	08/16/21	1	656	656
Tropical Storm	08/16/21	30	3,705	203
Tropical Storm	08/16/21	46	10,304	224
Tropical Storm	08/16/21	26	23,055	995
Tropical Storm	08/16/21	39	13,445	411

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	08/16/21	73	26,791	367
Tropical Storm	08/16/21	34	7,208	212
Tropical Storm	08/16/21	88	8,247	156
Tropical Storm	08/16/21	4	1,104	276
Tropical Storm	08/16/21	1	361	361
Tropical Storm	08/16/21	1	499	499
Tropical Storm	08/16/21	1	80	80
Tropical Storm	08/16/21	1	81	81
Tropical Storm	08/16/21	1	9	9
Tropical Storm	08/16/21	14	5,573	464
Tropical Storm	08/16/21	1	206	206
Tropical Storm	08/16/21	1	606	606
Tropical Storm	08/16/21	1	156	156
Tropical Storm	08/16/21	5	760	152
Tropical Storm	08/16/21	1	151	151
Tropical Storm	08/16/21	6	786	131
Tropical Storm	08/16/21	1	24	24
Tropical Storm	08/16/21	1	308	308
Tropical Storm	08/16/21	1	307	307
Tropical Storm	08/16/21	1	272	272
Tropical Storm	08/16/21	1	953	953
Tropical Storm	08/16/21	1	232	232
Tropical Storm	08/16/21	1	273	273
Tropical Storm	08/16/21	1	851	851
Tropical Storm	08/16/21	1	146	146
Tropical Storm	08/16/21	1,918	94,592	284
Tropical Storm	08/16/21	1	49	49
Tropical Storm	08/16/21	1	258	258
Tropical Storm	08/16/21	32	9,088	284
Tropical Storm	08/16/21	1	241	241
Tropical Storm	08/16/21	1	197	197
Tropical Storm	08/16/21	1	276	276
Tropical Storm	08/16/21	15	420	28
Tropical Storm	08/16/21	1	217	217
Tropical Storm	08/16/21	49	10,633	217
Tropical Storm	08/16/21	461	57,625	125
Tropical Storm	08/16/21	1	208	208
Tropical Storm	08/16/21	25	6,250	250
Tropical Storm	08/16/21	1	72	72
Tropical Storm	08/16/21	1	458	458

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	08/16/21	1	118	118
Tropical Storm	08/16/21	1	755	755
Tropical Storm	08/16/21	1	12	12
Tropical Storm	08/16/21	33	35,772	1,084
Tropical Storm	08/16/21	1	100	100
Tropical Storm	08/17/21	80	16,400	205
Tropical Storm	08/17/21	69	5,916	829
Tropical Storm	08/17/21	48	4,608	96
Tropical Storm	08/17/21	3	348	116
Tropical Storm	08/17/21	1	217	217
Tropical Storm	08/17/21	1	717	717
Tropical Storm	08/17/21	1	97	97
Tropical Storm	08/17/21	1	64	64
Tropical Storm	08/17/21	65	4,030	62
Tropical Storm	08/17/21	16	2,048	128
Tropical Storm	08/17/21	1	23	23
Tropical Storm	08/17/21	1	100	130
Tropical Storm	08/17/21	25	1,775	71
Tropical Storm	08/17/21	2	346	173
Tropical Storm	08/17/21	1	171	171
Tropical Storm	08/17/21	1	550	550
Tropical Storm	08/17/21	1	620	620
Tropical Storm	08/17/21	1	40	40
Tropical Storm	08/17/21	1	264	264
Tropical Storm	08/17/21	17	1,836	108
Tropical Storm	08/17/21	11	4,675	425
Tropical Storm	08/17/21	19	3,477	183
Tropical Storm	08/17/21	1	219	219
Tropical Storm	08/17/21	52	19,725	420
Tropical Storm	08/17/21	1	298	298
Tropical Storm	08/17/21	23	9,637	419
Tropical Storm	08/17/21	1	333	333
Tropical Storm	08/17/21	4	884	221
Tropical Storm	08/17/21	1	232	232
Tropical Storm	08/17/21	22	4,994	227
Tropical Storm	08/17/21	1	324	324
Tropical Storm	08/17/21	1	467	467
Tropical Storm	08/17/21	1	135	135
Tropical Storm	08/17/21	1	448	448
Tropical Storm	08/17/21	1	205	205

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	08/17/21	1	209	209
Tropical Storm	08/17/21	8	1,776	222
Tropical Storm	08/17/21	1	221	221
Tropical Storm	08/17/21	1	393	393
Tropical Storm	08/17/21	1	8	8
Tropical Storm	08/17/21	1	244	244
Tropical Storm	08/17/21	1	213	213
Tropical Storm	08/17/21	1	417	417
Tropical Storm	08/17/21	5	835	167
Tropical Storm	08/17/21	1	298	298
Tropical Storm	08/17/21	63	12,852	204
Tropical Storm	08/17/21	1	300	300
Tropical Storm	08/17/21	47	17,343	369
Tropical Storm	08/17/21	1	246	246
Tropical Storm	08/17/21	1	411	411
Tropical Storm	08/17/21	1	357	357
Tropical Storm	08/17/21	1	279	279
Tropical Storm	08/17/21	1	244	244
Tropical Storm	08/17/21	1	20	20
Tropical Storm	08/17/21	1	91	91
Tropical Storm	08/17/21	1	46	46
Tropical Storm	08/17/21	2	132	66
Tropical Storm	08/17/21	2	626	313
Tropical Storm	08/17/21	4	812	203
Tropical Storm	08/17/21	1	244	244
Tropical Storm	08/17/21	1	241	241
Tropical Storm	08/17/21	1	241	241
Tropical Storm	08/17/21	1	101	101
Tropical Storm	08/17/21	1	348	348
Tropical Storm	08/17/21	1	84	84
Tropical Storm	08/17/21	1	14	14
Tropical Storm	08/17/21	1	257	257
Tropical Storm	08/17/21	1	86	86
Tropical Storm	08/17/21	1	173	173
Tropical Storm	08/17/21	1	89	89
Tropical Storm	08/17/21	1	60	60
Tropical Storm	08/17/21	1	77	77
Tropical Storm	08/17/21	1	56	56
Tropical Storm	08/17/21	14	1,862	133
Tropical Storm	08/17/21	1	233	233

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	08/17/21	1	323	323
Tropical Storm	08/17/21	1	65	65
Tropical Storm	08/17/21	1	120	120
Tropical Storm	08/17/21	1	146	146
Tropical Storm	08/17/21	1	110	110
Tropical Storm	08/17/21	5	1,235	247
Tropical Storm	08/17/21	1	54	54
Tropical Storm	08/17/21	3	21	7
Tropical Storm	08/17/21	4	88	22
Tropical Storm	08/17/21	1	62	62
Tropical Storm	08/17/21	166	500	4
Tropical Storm	08/17/21	1	266	266
Tropical Storm	08/17/21	1	112	112
Tropical Storm	08/17/21	1	232	232
Tropical Storm	08/17/21	1	138	138
Tropical Storm	08/17/21	3	387	129
Tropical Storm	08/17/21	1	125	125
Tropical Storm	08/17/21	1	171	171
Tropical Storm	08/17/21	1	100	100
Tropical Storm	08/17/21	1	242	242
Tropical Storm	08/17/21	4	636	159
Tropical Storm	08/17/21	1	136	136
Tropical Storm	08/17/21	2	174	87
Tropical Storm	08/17/21	1	65	65
Tropical Storm	08/17/21	1	209	209
Tropical Storm	08/17/21	988	11,856	12
Tropical Storm	08/17/21	3	186	62
Tropical Storm	08/17/21	3,161	3,161	1
Tropical Storm	08/17/21	5	1,270	254
Tropical Storm	08/17/21	1	121	121
Tropical Storm	08/17/21	1	74	74
Tropical Storm	08/17/21	1	244	244
Tropical Storm	08/17/21	1	142	142
Tropical Storm	08/17/21	1	129	129
Tropical Storm	08/17/21	1	13	13
Tropical Storm	08/17/21	1,898	104,334	78
Tropical Storm	08/17/21	1	41	41
Tropical Storm	08/17/21	1	44	44
Tropical Storm	08/17/21	1	73	73
Tropical Storm	08/17/21	1	67	67

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	08/17/21	1	63	63
Tropical Storm	08/17/21	1	66	66
Tropical Storm	08/17/21	1	21	21
Tropical Storm	08/17/21	1	117	117
Tropical Storm	08/17/21	1	44	44
Tropical Storm	08/17/21	8	1,032	129
Tropical Storm	08/17/21	1	65	65
Tropical Storm	08/17/21	11	726	66
Tropical Storm	08/17/21	1	93	93
Tropical Storm	08/17/21	1	138	138
Tropical Storm	08/17/21	1	167	167
Tropical Storm	08/17/21	1	92	92
Tropical Storm	08/17/21	38	2,622	69
Tropical Storm	08/17/21	1	32	32
Tropical Storm	08/17/21	1	110	110
Tropical Storm	08/17/21	76	76	1
Tropical Storm	08/17/21	1	158	158
Tropical Storm	08/17/21	1	96	96
Tropical Storm	08/17/21	1	196	196
Tropical Storm	08/17/21	1	277	277
Tropical Storm	08/17/21	1	102	102
Tropical Storm	08/17/21	1	292	292
Tropical Storm	08/17/21	3	81	27
Tropical Storm	08/17/21	28	5,684	203
Tropical Storm	08/17/21	136	10,608	78
Hurricane	08/29/21	2	116	58
Hurricane	08/29/21	9	441	49
Hurricane	08/29/21	1	73	73
Hurricane	08/29/21	9	762	204
Hurricane	08/29/21	39	2,847	233
Hurricane	08/29/21	11	902	82
Hurricane	08/29/21	17	1,853	109
Hurricane	08/29/21	84	2,268	27
Hurricane	08/29/21	11	528	48
Hurricane	08/29/21	13	624	48
Hurricane	08/29/21	6	432	72
Hurricane	08/29/21	334	10,688	32
Hurricane	08/29/21	59	3,127	53
Hurricane	08/29/21	51	6,987	137
Hurricane	08/29/21	700	27,846	65

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Hurricane	08/29/21	1,779	3,558	2
Hurricane	08/29/21	276	20,424	74
Hurricane	08/29/21	22	1,430	65
Hurricane	08/29/21	90	6,750	75
Hurricane	08/29/21	1	207	207
Hurricane	08/29/21	2	278	139
Hurricane	08/29/21	3	519	173
Hurricane	08/29/21	71	3,976	56
Hurricane	08/29/21	5	440	88
Hurricane	08/29/21	2	294	147
Hurricane	08/29/21	5	360	72
Hurricane	08/29/21	88	6,160	70
Hurricane	08/29/21	5	345	69
Hurricane	08/29/21	3	207	69
Hurricane	08/29/21	4	108	27
Hurricane	08/29/21	5	520	104
Hurricane	08/29/21	4	356	89
Hurricane	08/29/21	1	88	88
Hurricane	08/29/21	4	352	88
Hurricane	08/29/21	78	6,006	77
Hurricane	08/29/21	104	7,904	76
Hurricane	08/29/21	1	68	68
Hurricane	08/29/21	3	933	311
Hurricane	08/29/21	3	612	204
Hurricane	08/29/21	2	238	119
Hurricane	08/29/21	22	1,848	84
Hurricane	08/29/21	1	169	169
Hurricane	08/29/21	35	3,885	111
Hurricane	08/29/21	1	159	159
Hurricane	08/29/21	2	216	108
Hurricane	08/29/21	2	216	108
Hurricane	08/29/21	1	114	114
Hurricane	08/29/21	1	39	39
Hurricane	08/29/21	5	885	177
Hurricane	08/29/21	6	492	82
Hurricane	08/29/21	2	108	54
Hurricane	08/29/21	1	78	78
Hurricane	08/29/21	3	705	235
Hurricane	08/29/21	1	57	57
Hurricane	08/29/21	10	870	87



<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Hurricane	08/29/21	1	143	143
Hurricane	08/29/21	53	2,279	43
Hurricane	08/29/21	103	11,433	111
Hurricane	08/29/21	1	95	95
Hurricane	08/29/21	1	33	33
Hurricane	08/29/21	1	54	54
Hurricane	08/29/21	1	87	87
Hurricane	08/29/21	7	259	37
Hurricane	08/29/21	33	7,920	240
Hurricane	08/29/21	2	156	78
Hurricane	08/29/21	1	52	52
Hurricane	08/29/21	1	123	123
Hurricane	08/29/21	1	79	79
Hurricane	08/29/21	140	10,080	72
Hurricane	08/29/21	37	1,295	35
Hurricane	08/29/21	1	75	75
Hurricane	08/29/21	19	1,862	98
Hurricane	08/29/21	150	6,600	44
Hurricane	08/29/21	24	1,752	73
Hurricane	08/29/21	1	85	85
Hurricane	08/29/21	1	42	42
Hurricane	08/29/21	10	720	72
Hurricane	08/29/21	1	85	85
Hurricane	08/29/21	4	504	126
Hurricane	08/29/21	2	102	51
Hurricane	08/29/21	1	39	39
Hurricane	08/29/21	13	624	48
Hurricane	08/29/21	4	264	66
Hurricane	08/29/21	8	240	30
Hurricane	08/29/21	171	25,130	155
Hurricane	08/29/21	9	441	49
Hurricane	08/29/21	3	261	87
Hurricane	08/29/21	21	441	21
Hurricane	08/29/21	65	1,690	26
Hurricane	08/29/21	52	988	19
Hurricane	08/29/21	21	630	30
Hurricane	08/29/21	4	1,172	293
Hurricane	08/29/21	2	154	77
Hurricane	08/29/21	1	64	64
Hurricane	08/29/21	4	280	70

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Hurricane	08/29/21	1	284	284
Hurricane	08/29/21	31	1,519	49
Hurricane	08/29/21	30	6,360	212
Hurricane	08/29/21	3	147	49
Hurricane	08/29/21	18	1,692	94
Hurricane	08/30/21	671	671	1
Hurricane	08/30/21	1	84	84
Hurricane	08/30/21	1	108	108
Hurricane	08/30/21	4	276	69
Hurricane	08/30/21	251	16,064	64
Hurricane	08/30/21	100	12,000	120
Hurricane	08/30/21	26	4,368	168
Hurricane	08/30/21	496	20,336	41
Hurricane	08/30/21	8	1,432	179
Hurricane	08/30/21	4	320	80
Hurricane	08/30/21	13	3,042	234
Hurricane	08/30/21	8	536	67
Hurricane	08/30/21	3	273	91
Hurricane	08/30/21	5	425	85
Hurricane	08/30/21	138	8,556	62
Hurricane	08/30/21	18	2,754	153
Hurricane	08/30/21	15	2,820	188
Hurricane	08/30/21	14	1,008	72
Hurricane	08/30/21	8	952	119
Hurricane	08/30/21	16	1,504	94
Hurricane	08/30/21	1	41	41
Hurricane	08/30/21	1	180	180
Hurricane	08/30/21	2	270	135
Hurricane	08/30/21	1	19	19
Hurricane	08/30/21	66	3,960	60
Hurricane	08/30/21	35	1,820	52
Hurricane	08/30/21	1	77	77
Hurricane	08/30/21	4	892	223
Hurricane	08/30/21	5	410	82
Hurricane	08/30/21	6	1,188	198
Hurricane	08/30/21	2	112	56
Hurricane	08/30/21	26	2,002	77
Hurricane	08/30/21	1	64	64
Hurricane	08/30/21	1	76	76
Hurricane	08/30/21	62	1,922	31

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Hurricane	08/30/21	1	52	52
Hurricane	08/30/21	5	40	8
Hurricane	08/30/21	2	118	59
Hurricane	08/30/21	124	8,928	72
Hurricane	08/30/21	5	595	119
Hurricane	08/30/21	72	2,304	32
Hurricane	08/30/21	1	102	102
Hurricane	08/30/21	4	1,024	256
Hurricane	08/30/21	2	46	23
Hurricane	08/30/21	2	116	58
Hurricane	08/30/21	1	33	33
Hurricane	08/30/21	1	33	33
Hurricane	08/30/21	94	8,648	92
Hurricane	08/30/21	40	5,920	148
Hurricane	08/30/21	9	486	54
Hurricane	08/30/21	46	1,702	37
Hurricane	08/30/21	108	6,048	56
Hurricane	08/30/21	2	88	44
Hurricane	08/30/21	38	3,762	99
Hurricane	08/30/21	5	305	61
Hurricane	08/30/21	1	86	86
Hurricane	08/30/21	3	165	55
Hurricane	08/30/21	1	47	47
Hurricane	08/30/21	3	270	90
Hurricane	08/30/21	1	143	143
Hurricane	08/30/21	60	3,240	54
Hurricane	08/30/21	4	352	88
Hurricane	08/30/21	4	176	44
Hurricane	08/30/21	3	216	72
Hurricane	08/30/21	138	8,280	60
Hurricane	08/30/21	2	156	78
Hurricane	08/30/21	2	144	72
Hurricane	08/30/21	5	325	65
Hurricane	08/30/21	5	455	91
Hurricane	08/30/21	5	490	98
Hurricane	08/30/21	92	6,624	72
Hurricane	08/30/21	103	8,034	78
Hurricane	08/30/21	4	384	96
Hurricane	08/30/21	5	360	72
Hurricane	08/30/21	530	4,240	8

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Hurricane	08/30/21	897	34,086	38
Hurricane	08/30/21	2	82	41
Hurricane	08/30/21	4	268	67
Hurricane	08/30/21	1	60	60
Hurricane	08/30/21	3	144	48
Hurricane	08/30/21	538	9,146	17
Hurricane	08/30/21	1	77	77
Hurricane	08/30/21	1	76	76
Hurricane	08/30/21	8	616	77
Hurricane	08/30/21	1,102	71,630	65
Hurricane	08/30/21	138	9,522	69
Hurricane	08/30/21	3	465	155
Hurricane	08/30/21	3	225	75
Hurricane	08/30/21	2	262	131
Hurricane	08/30/21	25	1,075	43
Hurricane	08/30/21	4	656	164
Hurricane	08/30/21	1	107	107
Hurricane	08/30/21	2	152	76
Hurricane	08/30/21	25	1,000	40
Hurricane	08/30/21	3	123	41
Hurricane	08/30/21	2	158	79
Hurricane	08/30/21	1	19	19
Hurricane	08/30/21	1	36	36
Hurricane	08/30/21	2	84	42
Hurricane	08/30/21	1	47	47
Hurricane	08/30/21	2	108	54
Hurricane	08/30/21	9	671	220
Hurricane	08/31/21	1	58	58
Hurricane	08/31/21	2	96	48
Hurricane	08/31/21	58	2,784	48
Hurricane	08/31/21	1	294	294
Hurricane	08/31/21	8	656	82
Hurricane	08/31/21	8	568	71
Hurricane	08/31/21	11	4,158	378
Hurricane	08/31/21	45	11,700	260
Hurricane	08/31/21	14	3,234	231
Hurricane	08/31/21	5	170	34
Hurricane	08/31/21	7	364	52
Hurricane	08/31/21	2	150	75
Hurricane	08/31/21	35	2,485	71

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Hurricane	08/31/21	4	584	146
Hurricane	08/31/21	2	230	115
Hurricane	08/31/21	4	388	97
Hurricane	08/31/21	4	252	63
Hurricane	08/31/21	263	13,939	53
Hurricane	08/31/21	5	240	48
Hurricane	08/31/21	3	345	115
Hurricane	08/31/21	1	280	280
Hurricane	08/31/21	10	1,080	108
Hurricane	08/31/21	8	448	56
Hurricane	08/31/21	4	296	74
Hurricane	08/31/21	2	62	31
Hurricane	08/31/21	74	3,996	54
Hurricane	08/31/21	3	282	94
Hurricane	08/31/21	138	5,934	43
Hurricane	08/31/21	105	10,395	99
Hurricane	08/31/21	1	62	62
Hurricane	08/31/21	5	310	62
Hurricane	08/31/21	1	78	78
Hurricane	08/31/21	1	41	41
Hurricane	08/31/21	4	604	151
Hurricane	08/31/21	1	62	62
Hurricane	08/31/21	1	58	58
Hurricane	08/31/21	1	91	91
Hurricane	08/31/21	1	44	44
Hurricane	08/31/21	307	23,332	76
Hurricane	08/31/21	3	270	90
Hurricane	08/31/21	2	160	80
Hurricane	08/31/21	4	380	95
Hurricane	08/31/21	7	441	63
Hurricane	08/31/21	5	290	58
Hurricane	08/31/21	2	164	82
Hurricane	08/31/21	37	1,554	42
Hurricane	08/31/21	182	6,370	35
Hurricane	08/31/21	1	177	177
Hurricane	08/31/21	216	27,648	128
Hurricane	08/31/21	3	1,140	380
Hurricane	08/31/21	4	340	85
Hurricane	08/31/21	13	1,677	129
Hurricane	08/31/21	2	812	406

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Hurricane	08/31/21	1	47	47
Hurricane	08/31/21	5	230	46
Hurricane	08/31/21	1	71	71
Hurricane	08/31/21	1	144	144
Hurricane	08/31/21	1	437	437
Hurricane	08/31/21	24	2,424	101
Hurricane	08/31/21	5	535	107
Hurricane	08/31/21	13	1,352	104
Hurricane	08/31/21	1	55	55
Hurricane	08/31/21	1	81	81
Hurricane	08/31/21	8	768	96
Hurricane	08/31/21	6	1,488	248
Hurricane	08/31/21	16	1,920	120
Hurricane	08/31/21	2	386	193
Hurricane	08/31/21	26	2,990	115
Hurricane	08/31/21	2	214	107
Hurricane	08/31/21	972	21,384	22
Hurricane	08/31/21	67	7,504	112
Hurricane	08/31/21	1	237	237
Hurricane	08/31/21	7	672	96
Hurricane	08/31/21	1	110	110
Hurricane	08/31/21	146	16,332	138
Hurricane	08/31/21	3	588	196
Hurricane	08/31/21	2	194	97
Hurricane	08/31/21	1	165	165
Hurricane	08/31/21	8	680	85
Hurricane	08/31/21	7	742	106
Hurricane	08/31/21	1	200	200
Hurricane	08/31/21	1	136	136
Hurricane	08/31/21	2	264	132
Hurricane	08/31/21	4	320	80
Hurricane	08/31/21	6	1,230	205
Hurricane	08/31/21	1	38	38
Hurricane	08/31/21	1	139	139
Hurricane	08/31/21	1	87	87
Hurricane	08/31/21	1	210	210
Hurricane	08/31/21	1	133	133
Hurricane	08/31/21	1	66	66
Hurricane	08/31/21	1	101	101
Hurricane	08/31/21	55	5,390	98

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Hurricane	08/31/21	37	2,331	63
Hurricane	08/31/21	4	200	50
Hurricane	08/31/21	4	40	10
Hurricane	08/31/21	8	1,016	127
Hurricane	08/31/21	1	280	280
Hurricane	08/31/21	3,166	12,664	4
Hurricane	08/31/21	1	213	213
Hurricane	08/31/21	2	100	50
Hurricane	08/31/21	1	21	21
Hurricane	08/31/21	1	62	62
Hurricane	08/31/21	1	123	123
Hurricane	08/31/21	30	2,040	68
Hurricane	08/31/21	1	65	65
Hurricane	08/31/21	1	80	80
Hurricane	08/31/21	2	126	63
Hurricane	08/31/21	1	102	102
Hurricane	08/31/21	48	3,264	68
Hurricane	08/31/21	34	1,224	36
Hurricane	08/31/21	1	114	114
Hurricane	08/31/21	388	7,138	136
Hurricane	08/31/21	30	960	32
Hurricane	08/31/21	1	130	130
Hurricane	08/31/21	1	103	103
Hurricane	08/31/21	1	267	267
Hurricane	08/31/21	1	40	40
Hurricane	08/31/21	289	36,414	126
Hurricane	08/31/21	1	159	159
Hurricane	08/31/21	6	648	108
Hurricane	08/31/21	1	199	199
Hurricane	08/31/21	1	126	126
Hurricane	08/31/21	1	126	126
Hurricane	08/31/21	23	1,771	77
Hurricane	08/31/21	2	228	114
Hurricane	08/31/21	1	105	105
Hurricane	08/31/21	1	134	134
Tropical Storm	09/08/21	2	146	73
Tropical Storm	09/08/21	4	292	73
Tropical Storm	09/08/21	1	131	131
Tropical Storm	09/08/21	1	106	106
Tropical Storm	09/08/21	1	204	204

<b>Q10 – Distribution Excluded Extreme Weather Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>AO</b>
Tropical Storm	09/08/21	1	114	114
Tropical Storm	09/08/21	2	160	80
Tropical Storm	09/08/21	1	127	127
Tropical Storm	09/08/21	1	59	59
Tropical Storm	09/08/21	131	8,384	64
Tropical Storm	09/08/21	1	136	136



<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	01/02/21	919	8,271	9.0
Planned	01/04/21	4	312	78.0
Planned	01/04/21	5	430	86.0
Planned	01/04/21	8	352	44.0
Planned	01/05/21	5	125	25.0
Planned	01/05/21	1	174	174.0
Planned	01/05/21	2	46	23.0
Planned	01/05/21	2	58	29.0
Planned	01/06/21	5	235	47.0
Planned	01/06/21	2	190	95.0
Planned	01/06/21	2	132	66.0
Planned	01/06/21	6	396	66.0
Planned	01/06/21	4	192	48.0
Planned	01/06/21	5	600	120.0
Planned	01/06/21	9	342	38.0
Customer Request	01/06/21	1	86	86.0
Planned	01/06/21	2	204	102.0
Planned	01/06/21	8	304	38.0
Planned	01/07/21	2	310	155.0
Planned	01/08/21	2	258	129.0
Planned	01/08/21	2	256	128.0
Planned	01/08/21	2	84	42.0
Planned	01/08/21	263	2,893	11.0
Planned	01/09/21	3	15	5.0
Planned	01/10/21	3	135	45.0
Planned	01/11/21	8	224	28.0
Planned	01/11/21	55	1,596	93.0
Planned	01/11/21	4	316	79.0
Planned	01/11/21	2	136	68.0
Planned	01/11/21	1	19	19.0
Planned	01/11/21	3	150	50.0
Planned	01/11/21	5	440	88.0
Customer Request	01/11/21	1	52	52.0
Planned	01/12/21	27	270	10.0
Planned	01/12/21	2	70	35.0
Planned	01/12/21	2	184	92.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	01/12/21	2	28	14.0
Planned	01/12/21	2	76	38.0
Planned	01/13/21	7	56	8.0
Planned	01/13/21	1	273	273.0
Planned	01/13/21	3	246	82.0
Planned	01/13/21	4	648	162.0
Planned	01/13/21	1	2	2.0
Planned	01/13/21	6	396	66.0
Planned	01/13/21	4	576	144.0
Planned	01/14/21	1	16	16.0
Planned	01/14/21	4	288	72.0
Planned	01/14/21	2	248	124.0
Planned	01/14/21	2	280	140.0
Planned	01/14/21	4	580	145.0
Planned	01/14/21	6	162	27.0
Planned	01/14/21	1	29	29.0
Planned	01/15/21	5	885	177.0
Planned	01/15/21	2	160	80.0
Planned	01/15/21	6	42	7.0
Planned	01/15/21	7	140	20.0
Planned	01/15/21	2	288	144.0
Planned	01/15/21	2	66	33.0
Planned	01/15/21	2	14	7.0
Customer Request	01/15/21	1	40	40.0
Planned	01/18/21	6	144	24.0
Planned	01/18/21	1	32	32.0
Planned	01/19/21	3	69	23.0
Planned	01/19/21	6	108	18.0
Planned	01/19/21	4	216	54.0
Planned	01/19/21	1	32	32.0
Planned	01/19/21	2	170	85.0
Planned	01/19/21	2	176	88.0
Planned	01/19/21	4	976	244.0
Planned	01/19/21	103	103	1.0
Planned	01/19/21	3	42	14.0
Planned	01/19/21	5	110	22.0
Planned	01/20/21	3	741	247.0
Planned	01/20/21	3	669	223.0
Planned	01/20/21	6	684	114.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	01/20/21	3	42	14.0
Planned	01/20/21	2	192	96.0
Planned	01/20/21	3	78	26.0
Planned	01/20/21	5	190	38.0
Planned	01/20/21	4	288	72.0
Planned	01/20/21	4	164	41.0
Planned	01/20/21	2	62	31.0
Planned	01/21/21	2	104	52.0
Planned	01/21/21	2	88	44.0
Planned	01/21/21	3	168	56.0
Planned	01/21/21	2	58	29.0
Planned	01/21/21	2	86	43.0
Planned	01/21/21	3	54	18.0
Planned	01/21/21	4	140	35.0
Planned	01/21/21	5	275	55.0
Planned	01/21/21	2	48	24.0
Planned	01/21/21	14	728	52.0
Planned	01/22/21	8	232	29.0
Planned	01/22/21	6	162	27.0
Planned	01/22/21	2	50	25.0
Planned	01/22/21	1	13	13.0
Planned	01/24/21	2	568	284.0
Planned	01/24/21	3	30	10.0
Planned	01/25/21	6	42	7.0
Planned	01/25/21	2	108	54.0
Planned	01/25/21	6	318	53.0
Planned	01/25/21	39	117	3.0
Planned	01/25/21	1	209	209.0
Planned	01/25/21	4	160	40.0
Planned	01/25/21	8	56	7.0
Planned	01/26/21	6	72	12.0
Planned	01/26/21	2	44	22.0
Planned	01/26/21	6	66	11.0
Planned	01/26/21	4	56	14.0
Planned	01/26/21	1	12	12.0
Planned	01/27/21	3	48	16.0
Planned	01/27/21	3	120	40.0
Planned	01/27/21	5	90	18.0
Planned	01/27/21	3	222	74.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	01/27/21	3	36	12.0
Planned	01/28/21	198	20,394	103.0
Planned	01/28/21	1	34	34.0
Planned	01/28/21	4	60	15.0
Planned	01/28/21	3	189	63.0
Planned	01/28/21	1	91	91.0
Planned	01/29/21	8	888	111.0
Planned	01/29/21	4	124	31.0
Planned	01/29/21	1	18	18.0
Planned	02/01/21	1	125	125.0
Planned	02/01/21	5	925	185.0
Planned	02/01/21	4	124	31.0
Planned	02/01/21	6	90	15.0
Planned	02/01/21	1	42	42.0
Planned	02/01/21	6	372	62.0
Planned	02/01/21	2	112	56.0
Planned	02/01/21	3	147	49.0
Planned	02/01/21	6	126	21.0
Planned	02/02/21	2	34	17.0
Planned	02/02/21	1	179	179.0
Planned	02/02/21	4	392	98.0
Planned	02/02/21	2	406	203.0
Planned	02/02/21	3	120	40.0
Planned	02/02/21	1	215	215.0
Planned	02/03/21	4	240	60.0
Planned	02/03/21	4	92	23.0
Planned	02/03/21	4	724	181.0
Planned	02/03/21	4	408	102.0
Planned	02/03/21	2	48	24.0
Planned	02/03/21	1	53	53.0
Planned	02/03/21	4	408	102.0
Planned	02/03/21	6	36	6.0
Planned	02/03/21	20	780	39.0
Planned	02/04/21	3	147	49.0
Planned	02/04/21	9	324	36.0
Planned	02/04/21	1	85	85.0
Planned	02/04/21	3	258	86.0
Planned	02/04/21	90	180	2.0
Planned	02/04/21	2	64	32.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	02/04/21	3	498	166.0
Planned	02/04/21	3	705	235.0
Planned	02/04/21	3	177	59.0
Planned	02/04/21	13	351	27.0
Planned	02/05/21	14	784	56.0
Planned	02/05/21	3	57	19.0
Planned	02/07/21	11	715	65.0
Planned	02/07/21	3	294	98.0
Planned	02/07/21	6	102	17.0
Planned	02/08/21	5	450	90.0
Planned	02/08/21	1	148	148.0
Planned	02/08/21	2	294	147.0
Planned	02/08/21	2	490	245.0
Planned	02/08/21	4	564	141.0
Planned	02/08/21	3	63	21.0
Planned	02/08/21	1	44	44.0
Planned	02/08/21	2	162	81.0
Planned	02/08/21	1	245	245.0
Planned	02/08/21	2	66	33.0
Planned	02/08/21	1	45	45.0
Planned	02/08/21	3	351	117.0
Planned	02/08/21	2	140	70.0
Planned	02/09/21	3	273	91.0
Planned	02/09/21	3	783	261.0
Planned	02/10/21	4	372	93.0
Planned	02/10/21	2	166	83.0
Planned	02/10/21	3	246	82.0
Planned	02/10/21	5	155	31.0
Planned	02/10/21	10	190	19.0
Planned	02/10/21	3	192	64.0
Planned	02/10/21	2	142	71.0
Planned	02/10/21	9	378	42.0
Planned	02/10/21	1	69	69.0
Planned	02/10/21	9	306	34.0
Planned	02/10/21	9	270	30.0
Planned	02/11/21	3	222	74.0
Planned	02/11/21	2	268	134.0
Planned	02/11/21	1	18	18.0
Planned	02/11/21	7	21	3.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	02/11/21	5	90	18.0
Planned	02/11/21	4	240	60.0
Planned	02/11/21	4	228	104.0
Planned	02/11/21	13	455	35.0
Planned	02/11/21	1	10	10.0
Planned	02/11/21	8	32	4.0
Planned	02/11/21	4	52	13.0
Planned	02/12/21	17	241	15.0
Planned	02/12/21	4	76	19.0
Planned	02/12/21	6	678	113.0
Planned	02/12/21	5	120	24.0
Planned	02/15/21	2	72	36.0
Planned	02/16/21	5	1,380	276.0
Planned	02/16/21	2	364	182.0
Planned	02/16/21	4	156	39.0
Planned	02/16/21	10	140	14.0
Planned	02/16/21	2	62	31.0
Planned	02/17/21	25	475	19.0
Planned	02/17/21	9	198	22.0
Planned	02/17/21	1	75	75.0
Planned	02/17/21	2	12	6.0
Planned	02/17/21	1	21	21.0
Planned	02/17/21	2	198	99.0
Planned	02/17/21	2	236	118.0
Planned	02/17/21	5	75	15.0
Planned	02/17/21	5	80	16.0
Planned	02/17/21	2	30	15.0
Planned	02/17/21	1	56	56.0
Planned	02/17/21	7	567	81.0
Planned	02/18/21	4	420	105.0
Planned	02/18/21	5	195	39.0
Customer Request	02/18/21	1	121	121.0
Planned	02/18/21	4	120	30.0
Planned	02/19/21	4	16	4.0
Planned	02/19/21	9	351	39.0
Planned	02/19/21	21	1,491	71.0
Customer Request	02/21/21	1	70	70.0
Planned	02/22/21	2	210	105.0
Planned	02/22/21	2	252	126.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	02/22/21	3	612	204.0
Planned	02/22/21	2	126	63.0
Planned	02/22/21	5	155	31.0
Planned	02/22/21	4	228	57.0
Planned	02/22/21	2	186	93.0
Planned	02/23/21	5	450	90.0
Planned	02/23/21	2	56	28.0
Planned	02/23/21	2	32	16.0
Planned	02/23/21	2	98	49.0
Planned	02/23/21	2	30	15.0
Planned	02/23/21	3	81	27.0
Planned	02/23/21	4	52	13.0
Planned	02/23/21	1	17	17.0
Planned	02/24/21	1	7	7.0
Planned	02/24/21	1	110	110.0
Planned	02/24/21	2	96	48.0
Planned	02/24/21	7	126	18.0
Planned	02/24/21	2	292	146.0
Planned	02/24/21	2	90	45.0
Planned	02/25/21	2	78	39.0
Planned	02/25/21	4	204	51.0
Planned	02/25/21	2	314	157.0
Planned	02/25/21	4	564	141.0
Planned	02/25/21	7	126	18.0
Planned	02/25/21	2	46	23.0
Planned	02/25/21	3	648	216.0
Planned	02/25/21	2	68	34.0
Planned	02/25/21	4	52	13.0
Planned	02/26/21	2	50	25.0
Planned	02/27/21	1	25	25.0
Planned	03/01/21	4	132	33.0
Planned	03/01/21	14	504	36.0
Planned	03/02/21	4	11,592	2898.0
Planned	03/02/21	3	198	66.0
Planned	03/03/21	2	100	234.0
Planned	03/03/21	2	242	121.0
Planned	03/03/21	6	1,596	266.0
Planned	03/03/21	3	96	32.0
Planned	03/03/21	1	34	34.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	03/03/21	2	28	14.0
Planned	03/03/21	3	138	46.0
Planned	03/04/21	2	88	44.0
Planned	03/04/21	2	224	112.0
Planned	03/04/21	1	271	271.0
Planned	03/05/21	2	78	39.0
Planned	03/05/21	2	52	26.0
Planned	03/05/21	3	114	38.0
Planned	03/05/21	4	84	21.0
Planned	03/05/21	4	388	97.0
Planned	03/05/21	3	264	88.0
Planned	03/05/21	1	31	31.0
Planned	03/06/21	5	45	9.0
Planned	03/08/21	4	80	20.0
Planned	03/08/21	10	640	64.0
Planned	03/08/21	4	216	54.0
Planned	03/08/21	2	42	21.0
Planned	03/08/21	2	192	96.0
Planned	03/08/21	1	32	32.0
Planned	03/08/21	5	115	23.0
Planned	03/08/21	1	31	31.0
Planned	03/08/21	7	217	31.0
Planned	03/08/21	2	52	26.0
Planned	03/08/21	2	46	23.0
Planned	03/08/21	2	112	56.0
Planned	03/08/21	1	28	28.0
Planned	03/09/21	5	505	101.0
Planned	03/09/21	2	56	28.0
Planned	03/09/21	3	84	28.0
Planned	03/09/21	6	144	24.0
Planned	03/09/21	9	855	95.0
Planned	03/09/21	1	58	58.0
Planned	03/09/21	4	224	56.0
Planned	03/09/21	3	93	31.0
Planned	03/09/21	3	309	103.0
Planned	03/09/21	5	330	66.0
Planned	03/09/21	1	7	7.0
Planned	03/09/21	4	84	21.0
Planned	03/09/21	4	64	16.0



<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	03/09/21	2	60	30.0
Planned	03/10/21	3	69	23.0
Planned	03/10/21	2	86	43.0
Planned	03/10/21	4	516	129.0
Planned	03/10/21	4	8	2.0
Planned	03/10/21	5	50	10.0
Planned	03/10/21	8	152	19.0
Planned	03/10/21	7	322	46.0
Planned	03/10/21	2	200	100.0
Planned	03/10/21	3	84	28.0
Planned	03/10/21	1	23	23.0
Planned	03/10/21	4	152	38.0
Planned	03/10/21	1	79	79.0
Planned	03/10/21	1	112	112.0
Planned	03/10/21	5	60	12.0
Planned	03/10/21	8	928	116.0
Planned	03/10/21	1	64	64.0
Planned	03/10/21	2	18	9.0
Planned	03/10/21	2	74	37.0
Planned	03/10/21	4	60	15.0
Planned	03/11/21	2	138	69.0
Planned	03/11/21	3	99	33.0
Planned	03/11/21	2	196	98.0
Planned	03/11/21	2	164	82.0
Planned	03/11/21	3	63	21.0
Planned	03/11/21	17	1,105	65.0
Planned	03/11/21	2	102	51.0
Planned	03/11/21	3	81	27.0
Planned	03/11/21	2	52	26.0
Planned	03/11/21	3	36	12.0
Planned	03/12/21	8	248	31.0
Planned	03/12/21	4	88	22.0
Planned	03/12/21	2	48	24.0
Planned	03/12/21	7	518	74.0
Planned	03/12/21	4	120	30.0
Planned	03/12/21	1	22	22.0
Planned	03/12/21	2	208	104.0
Planned	03/12/21	2	60	30.0
Planned	03/13/21	4	120	30.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	03/15/21	2	296	148.0
Planned	03/15/21	3	396	132.0
Planned	03/15/21	5	235	47.0
Planned	03/15/21	4	156	39.0
Planned	03/15/21	4	132	33.0
Planned	03/16/21	5	300	60.0
Planned	03/16/21	3	426	142.0
Planned	03/16/21	3	81	27.0
Planned	03/16/21	2	54	27.0
Planned	03/16/21	2	152	76.0
Planned	03/16/21	6	918	153.0
Planned	03/16/21	2	36	18.0
Planned	03/16/21	2	30	15.0
Planned	03/16/21	3	99	33.0
Planned	03/17/21	2	106	53.0
Planned	03/17/21	2	56	28.0
Planned	03/17/21	4	432	108.0
Planned	03/17/21	2	60	30.0
Planned	03/17/21	2	98	49.0
Planned	03/17/21	3	357	119.0
Planned	03/17/21	4	200	50.0
Planned	03/17/21	2	100	50.0
Planned	03/17/21	3	54	18.0
Planned	03/17/21	2	156	78.0
Planned	03/18/21	4	84	21.0
Planned	03/18/21	3	60	20.0
Customer Request	03/18/21	1	11	11.0
Planned	03/18/21	3	114	38.0
Planned	03/18/21	1	23	23.0
Planned	03/19/21	3	45	15.0
Planned	03/19/21	6	84	14.0
Planned	03/19/21	4	56	14.0
Planned	03/19/21	4	128	47.0
Planned	03/19/21	3	192	64.0
Planned	03/22/21	11	1,397	127.0
Planned	03/22/21	2	264	132.0
Planned	03/22/21	6	108	18.0
Planned	03/22/21	3	255	85.0
Planned	03/22/21	3	105	35.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	03/22/21	2	116	58.0
Planned	03/22/21	2	74	37.0
Planned	03/22/21	5	30	6.0
Planned	03/22/21	2	70	35.0
Planned	03/23/21	2	44	22.0
Planned	03/23/21	2	274	137.0
Planned	03/23/21	2	300	150.0
Planned	03/23/21	4	524	131.0
Planned	03/23/21	2	162	81.0
Planned	03/23/21	2	84	42.0
Planned	03/23/21	2	104	52.0
Planned	03/24/21	3	426	142.0
Planned	03/24/21	5	165	33.0
Customer Request	03/24/21	1	55	55.0
Planned	03/24/21	1	57	57.0
Planned	03/25/21	3	93	31.0
Planned	03/25/21	2	136	68.0
Planned	03/25/21	2	106	53.0
Planned	03/25/21	3	102	34.0
Planned	03/25/21	2	32	16.0
Planned	03/25/21	2	212	106.0
Planned	03/26/21	11	319	29.0
Planned	03/26/21	3	48	16.0
Planned	03/26/21	1	17	17.0
Planned	03/26/21	2	74	37.0
Customer Request	03/27/21	1	120	120.0
Customer Request	03/27/21	1	128	128.0
Planned	03/27/21	4	56	14.0
Planned	03/29/21	3	360	120.0
Planned	03/29/21	1	120	120.0
Planned	03/29/21	2	366	183.0
Planned	03/29/21	4	64	16.0
Customer Request	03/29/21	1	175	175.0
Planned	03/29/21	4	132	33.0
Planned	03/29/21	2	38	19.0
Planned	03/29/21	7	287	41.0
Planned	03/29/21	2	442	221.0
Planned	03/30/21	5	85	17.0
Planned	03/30/21	2	246	123.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	03/30/21	2	230	115.0
Planned	03/30/21	2	30	15.0
Planned	03/30/21	4	372	93.0
Planned	03/30/21	4	80	20.0
Planned	03/30/21	2	30	15.0
Planned	03/30/21	3	657	219.0
Planned	03/31/21	2	286	143.0
Planned	03/31/21	2	466	233.0
Planned	03/31/21	2	116	58.0
Planned	03/31/21	3	252	84.0
Planned	03/31/21	4	344	86.0
Planned	03/31/21	4	172	43.0
Planned	03/31/21	6	288	48.0
Planned	03/31/21	2	54	27.0
Planned	03/31/21	2	34	17.0
Planned	03/31/21	3	312	104.0
Planned	03/31/21	2	70	35.0
Planned	04/02/21	6	84	14.0
Planned	04/02/21	1	12	12.0
Planned	04/02/21	5	120	24.0
Planned	04/02/21	10	400	40.0
Customer Request	04/02/21	1	23	23.0
Customer Request	04/02/21	1	51	51.0
Planned	04/05/21	2	102	51.0
Planned	04/05/21	6	204	34.0
Planned	04/05/21	3	105	35.0
Planned	04/05/21	2	356	178.0
Planned	04/05/21	2	100	50.0
Planned	04/05/21	9	630	70.0
Planned	04/05/21	2	52	26.0
Planned	04/05/21	7	434	62.0
Planned	04/05/21	2	224	112.0
Planned	04/06/21	2	328	164.0
Planned	04/06/21	5	260	52.0
Planned	04/06/21	10	510	51.0
Planned	04/06/21	2	286	143.0
Planned	04/06/21	10	50	5.0
Planned	04/06/21	2	86	43.0
Planned	04/06/21	5	245	49.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	04/06/21	2	114	57.0
Planned	04/06/21	2	236	118.0
Planned	04/06/21	4	300	75.0
Planned	04/06/21	2	52	26.0
Planned	04/07/21	2	138	69.0
Planned	04/07/21	108	2,808	26.0
Planned	04/07/21	4	104	26.0
Planned	04/07/21	11	286	26.0
Planned	04/07/21	4	396	99.0
Planned	04/07/21	3	18	6.0
Planned	04/07/21	2	120	60.0
Planned	04/07/21	2	232	116.0
Planned	04/07/21	4	416	104.0
Planned	04/07/21	2	42	21.0
Planned	04/08/21	7	406	58.0
Planned	04/08/21	1	40	40.0
Planned	04/08/21	5	130	26.0
Planned	04/08/21	3	144	48.0
Planned	04/08/21	3	96	32.0
Planned	04/09/21	4	24	6.0
Planned	04/12/21	6	30	5.0
Planned	04/12/21	3	165	55.0
Planned	04/13/21	2	102	51.0
Planned	04/13/21	5	300	60.0
Planned	04/13/21	6	1,146	191.0
Planned	04/13/21	1	66	66.0
Planned	04/13/21	2	142	71.0
Planned	04/13/21	3	360	120.0
Planned	04/13/21	1	6	6.0
Planned	04/14/21	4	336	84.0
Planned	04/14/21	14	966	69.0
Planned	04/15/21	3	84	28.0
Planned	04/16/21	1	76	76.0
Planned	04/16/21	5	40	8.0
Planned	04/19/21	1	4	4.0
Planned	04/19/21	4	332	83.0
Planned	04/19/21	3	351	117.0
Planned	04/19/21	3	42	14.0
Planned	04/19/21	1	208	208.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	04/19/21	1	29	29.0
Planned	04/19/21	222	11,100	50.0
Planned	04/19/21	5	25	5.0
Planned	04/20/21	1	15	15.0
Planned	04/20/21	8	58	23.0
Planned	04/20/21	3	45	15.0
Planned	04/20/21	3	36	12.0
Planned	04/20/21	4	748	187.0
Planned	04/20/21	6	216	36.0
Planned	04/20/21	3	198	66.0
Planned	04/21/21	6	348	58.0
Planned	04/21/21	15	360	24.0
Planned	04/21/21	6	132	22.0
Planned	04/21/21	5	105	21.0
Planned	04/21/21	5	190	38.0
Planned	04/21/21	4	96	24.0
Planned	04/21/21	5	200	40.0
Planned	04/21/21	2	158	79.0
Planned	04/21/21	10	20	2.0
Planned	04/22/21	7	91	13.0
Planned	04/22/21	2	212	106.0
Planned	04/22/21	5	1,375	275.0
Planned	04/22/21	2	208	104.0
Planned	04/22/21	3	24	8.0
Planned	04/22/21	2	72	36.0
Planned	04/22/21	9	405	45.0
Planned	04/22/21	2	428	214.0
Planned	04/22/21	15	255	17.0
Planned	04/22/21	2	108	54.0
Planned	04/22/21	5	125	25.0
Planned	04/22/21	3	180	60.0
Planned	04/23/21	5	115	23.0
Planned	04/23/21	7	413	59.0
Planned	04/23/21	2	54	27.0
Customer Request	04/25/21	1	79	79.0
Planned	04/26/21	4	200	50.0
Planned	04/26/21	4	532	133.0
Planned	04/26/21	2	218	109.0
Planned	04/26/21	3	225	75.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	04/26/21	7	91	13.0
Planned	04/26/21	4	48	12.0
Planned	04/26/21	1	55	55.0
Planned	04/26/21	3	219	73.0
Planned	04/26/21	2	328	164.0
Planned	04/26/21	2	30	15.0
Planned	04/26/21	2	128	64.0
Planned	04/26/21	1	29	29.0
Planned	04/27/21	4	264	66.0
Planned	04/27/21	4	320	80.0
Planned	04/27/21	6	330	55.0
Planned	04/27/21	3	357	119.0
Planned	04/27/21	2	100	50.0
Planned	04/27/21	3	99	33.0
Planned	04/27/21	6	462	77.0
Planned	04/28/21	1	2	2.0
Planned	04/28/21	2	76	38.0
Customer Request	04/28/21	1	64	64.0
Planned	04/28/21	6	366	61.0
Planned	04/28/21	2	180	90.0
Planned	04/29/21	2	96	48.0
Planned	04/29/21	4	16	4.0
Planned	04/29/21	6	90	15.0
Planned	04/29/21	2	216	108.0
Customer Request	04/29/21	4	64	16.0
Planned	04/30/21	1	52	52.0
Planned	04/30/21	1	21	21.0
Planned	04/30/21	1	32	32.0
Planned	04/30/21	2	74	37.0
Planned	04/30/21	9	306	34.0
Planned	04/30/21	4	88	22.0
Planned	04/30/21	2	38	19.0
Planned	05/01/21	7	119	17.0
Planned	05/01/21	1	228	228.0
Planned	05/03/21	6	126	21.0
Planned	05/03/21	2	174	87.0
Planned	05/03/21	1	73	73.0
Planned	05/03/21	4	44	11.0
Planned	05/03/21	34	1,360	40.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	05/04/21	1	50	50.0
Planned	05/04/21	2	44	22.0
Planned	05/04/21	108	2,700	25.0
Planned	05/04/21	3	366	122.0
Planned	05/04/21	2	278	139.0
Planned	05/04/21	1	25	25.0
Planned	05/04/21	4	96	24.0
Planned	05/04/21	4	160	40.0
Planned	05/05/21	1	361	361.0
Planned	05/06/21	1	40	40.0
Planned	05/06/21	5	150	30.0
Planned	05/06/21	3	195	65.0
Planned	05/06/21	7	189	27.0
Planned	05/07/21	2	68	34.0
Planned	05/07/21	3	81	27.0
Planned	05/07/21	7	525	75.0
Planned	05/07/21	2	120	60.0
Planned	05/07/21	1	29	29.0
Planned	05/10/21	3	573	191.0
Planned	05/10/21	7	224	32.0
Planned	05/10/21	9	504	56.0
Planned	05/11/21	3	78	26.0
Planned	05/11/21	2	284	142.0
Planned	05/11/21	2	102	51.0
Planned	05/11/21	2	344	172.0
Planned	05/11/21	4	136	34.0
Planned	05/11/21	9	333	37.0
Planned	05/11/21	3	306	102.0
Planned	05/11/21	3	69	23.0
Planned	05/11/21	2	56	28.0
Planned	05/12/21	6	108	18.0
Planned	05/12/21	15	735	49.0
Planned	05/12/21	3	48	16.0
Planned	05/13/21	3	108	36.0
Planned	05/13/21	1	84	84.0
Planned	05/13/21	4	596	149.0
Planned	05/13/21	4	617	177.0
Planned	05/13/21	4	540	135.0
Planned	05/13/21	2	92	46.0



<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	05/13/21	1	43	43.0
Planned	05/13/21	2	40	20.0
Planned	05/13/21	3	129	43.0
Planned	05/14/21	1	166	166.0
Planned	05/14/21	1	124	124.0
Planned	05/14/21	2	254	127.0
Planned	05/14/21	7	133	19.0
Planned	05/14/21	4	158	66.0
Planned	05/14/21	3	54	18.0
Planned	05/14/21	3	33	11.0
Planned	05/15/21	4	560	140.0
Planned	05/15/21	5	810	162.0
Planned	05/16/21	19	1,140	60.0
Planned	05/17/21	2	72	36.0
Planned	05/17/21	3	252	84.0
Planned	05/17/21	2	216	108.0
Planned	05/17/21	4	84	21.0
Planned	05/17/21	3	63	21.0
Planned	05/17/21	1	18	18.0
Planned	05/17/21	3	108	36.0
Customer Request	05/17/21	1	127	127.0
Customer Request	05/18/21	1	350	350.0
Planned	05/18/21	3	99	33.0
Planned	05/18/21	29	203	7.0
Planned	05/18/21	3	105	35.0
Planned	05/18/21	10	328	49.0
Planned	05/18/21	5	80	16.0
Planned	05/18/21	94	188	2.0
Planned	05/18/21	2	126	63.0
Planned	05/18/21	1	27	27.0
Planned	05/18/21	1	73	73.0
Planned	05/19/21	4	576	144.0
Planned	05/19/21	2	80	40.0
Planned	05/19/21	21	966	46.0
Planned	05/19/21	18	846	47.0
Planned	05/19/21	96	2,400	25.0
Planned	05/19/21	4	104	26.0
Planned	05/19/21	3	387	129.0
Planned	05/19/21	5	185	37.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	05/19/21	1	284	284.0
Planned	05/19/21	5	70	14.0
Planned	05/19/21	5	85	17.0
Planned	05/19/21	7	1,099	157.0
Planned	05/20/21	7	1,442	206.0
Planned	05/20/21	2	836	418.0
Planned	05/20/21	2	342	171.0
Planned	05/20/21	3	48	16.0
Planned	05/20/21	1	90	90.0
Planned	05/20/21	1	124	124.0
Planned	05/20/21	2	272	136.0
Planned	05/20/21	5	85	17.0
Planned	05/20/21	5	480	96.0
Planned	05/21/21	1	31	31.0
Planned	05/21/21	5	480	96.0
Planned	05/21/21	2	96	48.0
Planned	05/21/21	2	26	13.0
Planned	05/21/21	2	52	26.0
Planned	05/21/21	17	629	37.0
Planned	05/23/21	1	13	13.0
Planned	05/23/21	1	12	12.0
Planned	05/23/21	3	867	289.0
Planned	05/24/21	11	2,222	202.0
Planned	05/24/21	2	134	67.0
Planned	05/24/21	7	924	132.0
Planned	05/24/21	3	261	87.0
Planned	05/24/21	6	132	22.0
Planned	05/24/21	3	273	91.0
Planned	05/24/21	17	1,207	71.0
Planned	05/24/21	2	276	138.0
Planned	05/25/21	5	200	40.0
Planned	05/25/21	5	1,290	258.0
Planned	05/25/21	1	108	108.0
Planned	05/25/21	1	101	101.0
Planned	05/25/21	7	644	92.0
Planned	05/25/21	2	438	219.0
Planned	05/25/21	2	54	27.0
Planned	05/25/21	3	204	68.0
Planned	05/25/21	3	96	32.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	05/26/21	2	384	192.0
Planned	05/26/21	2	128	64.0
Planned	05/26/21	51	357	7.0
Planned	05/26/21	3	516	172.0
Planned	05/26/21	8	328	41.0
Planned	05/26/21	5	210	42.0
Planned	05/26/21	4	92	23.0
Planned	05/26/21	71	284	4.0
Planned	05/27/21	2	206	103.0
Planned	05/27/21	5	135	83.0
Planned	05/27/21	3	45	15.0
Planned	05/27/21	1	49	49.0
Planned	05/27/21	6	342	57.0
Planned	05/27/21	6	168	28.0
Planned	05/27/21	2	490	245.0
Planned	05/27/21	5	365	73.0
Planned	05/27/21	2	212	106.0
Planned	05/27/21	9	99	11.0
Planned	05/27/21	4	120	30.0
Planned	05/28/21	1	57	57.0
Planned	05/28/21	2	32	16.0
Planned	05/28/21	2	76	38.0
Planned	05/28/21	3	96	32.0
Planned	05/30/21	2	264	132.0
Planned	05/31/21	5	1,130	226.0
Planned	06/01/21	3	66	22.0
Planned	06/01/21	2	116	58.0
Planned	06/01/21	4	404	101.0
Planned	06/02/21	4	732	183.0
Planned	06/02/21	9	198	22.0
Planned	06/02/21	7	483	69.0
Planned	06/02/21	1	27	27.0
Customer Request	06/02/21	1	90	90.0
Planned	06/02/21	138	4,140	30.0
Planned	06/02/21	4	316	79.0
Planned	06/02/21	4	28	7.0
Planned	06/02/21	6	264	44.0
Planned	06/03/21	1	136	136.0
Planned	06/03/21	4	704	176.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Customer Request	06/03/21	1	116	116.0
Planned	06/03/21	6	330	55.0
Planned	06/03/21	2	328	164.0
Planned	06/03/21	1	164	164.0
Planned	06/03/21	10	630	63.0
Planned	06/03/21	4	392	98.0
Planned	06/03/21	1	116	116.0
Planned	06/03/21	2	34	17.0
Planned	06/03/21	3	81	27.0
Planned	06/04/21	1	13	13.0
Planned	06/04/21	2	512	256.0
Planned	06/04/21	3	96	32.0
Planned	06/04/21	4	60	15.0
Planned	06/04/21	1	115	115.0
Customer Request	06/06/21	4	936	234.0
Planned	06/07/21	28	2,044	73.0
Planned	06/07/21	4	544	136.0
Planned	06/07/21	2	50	25.0
Planned	06/07/21	3	501	167.0
Planned	06/07/21	3	123	41.0
Planned	06/07/21	4	232	58.0
Planned	06/07/21	2	26	13.0
Planned	06/07/21	8	1,280	160.0
Planned	06/07/21	3	162	54.0
Planned	06/07/21	2	74	37.0
Customer Request	06/08/21	3	789	263.0
Planned	06/08/21	5	310	62.0
Planned	06/08/21	2	244	122.0
Planned	06/08/21	4	124	31.0
Planned	06/08/21	4	136	34.0
Planned	06/08/21	12	180	15.0
Planned	06/08/21	6	354	59.0
Planned	06/08/21	5	70	14.0
Planned	06/08/21	3	96	32.0
Planned	06/08/21	3	237	79.0
Planned	06/08/21	6	870	145.0
Planned	06/08/21	1	59	59.0
Planned	06/09/21	2	72	36.0
Planned	06/09/21	2	170	85.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	06/09/21	4	780	195.0
Planned	06/09/21	2	224	112.0
Planned	06/09/21	2	156	78.0
Planned	06/09/21	6	222	37.0
Planned	06/09/21	4	456	114.0
Planned	06/09/21	8	128	16.0
Planned	06/09/21	2	548	274.0
Planned	06/09/21	4	452	113.0
Planned	06/09/21	29	580	20.0
Planned	06/09/21	3	99	33.0
Planned	06/09/21	2	32	16.0
Planned	06/09/21	3	219	73.0
Planned	06/09/21	10	1,250	125.0
Planned	06/09/21	6	84	14.0
Planned	06/09/21	4	196	49.0
Planned	06/10/21	8	480	60.0
Planned	06/10/21	1	250	250.0
Planned	06/10/21	3	177	59.0
Planned	06/10/21	5	340	68.0
Planned	06/10/21	4	120	30.0
Planned	06/10/21	5	280	56.0
Planned	06/10/21	8	520	65.0
Planned	06/10/21	3	156	52.0
Planned	06/10/21	1	11	11.0
Planned	06/10/21	6	408	68.0
Planned	06/10/21	5	205	41.0
Planned	06/10/21	1	20	20.0
Planned	06/10/21	2	32	16.0
Planned	06/10/21	4	32	8.0
Customer Request	06/11/21	5	45	9.0
Planned	06/11/21	2	110	55.0
Planned	06/11/21	5	375	75.0
Planned	06/11/21	7	133	19.0
Planned	06/11/21	4	100	25.0
Planned	06/11/21	1	29	29.0
Planned	06/11/21	1	52	52.0
Planned	06/11/21	7	182	26.0
Customer Request	06/11/21	1	77	77.0
Planned	06/12/21	4	456	114.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	06/12/21	2	24	12.0
Planned	06/12/21	3	252	84.0
Planned	06/12/21	2	108	54.0
Planned	06/13/21	7	735	105.0
Planned	06/13/21	10	1,050	105.0
Planned	06/13/21	7	1,358	194.0
Planned	06/14/21	2	50	25.0
Planned	06/15/21	4	100	25.0
Planned	06/15/21	5	640	128.0
Planned	06/15/21	7	266	38.0
Planned	06/15/21	2	176	88.0
Planned	06/15/21	2	212	106.0
Planned	06/15/21	4	96	24.0
Planned	06/16/21	5	435	87.0
Planned	06/16/21	3	213	71.0
Planned	06/16/21	3	279	93.0
Planned	06/16/21	2	32	16.0
Planned	06/16/21	1	54	54.0
Planned	06/16/21	2	30	15.0
Planned	06/17/21	2	84	42.0
Planned	06/17/21	1	46	46.0
Planned	06/17/21	7	2,352	336.0
Planned	06/17/21	6	474	79.0
Planned	06/17/21	2	246	123.0
Customer Request	06/17/21	1	157	157.0
Planned	06/18/21	4	448	112.0
Planned	06/21/21	2	66	33.0
Planned	06/21/21	2	80	40.0
Planned	06/21/21	2	70	35.0
Planned	06/22/21	2	96	48.0
Planned	06/22/21	1	110	110.0
Planned	06/22/21	4	176	44.0
Planned	06/22/21	2,683	32,196	12.0
Planned	06/22/21	21	252	12.0
Planned	06/23/21	5	275	55.0
Planned	06/23/21	2	172	86.0
Planned	06/23/21	2	168	84.0
Planned	06/23/21	3	303	101.0
Planned	06/23/21	2	114	57.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	06/23/21	2	62	31.0
Planned	06/23/21	6	492	82.0
Planned	06/23/21	14	2,450	175.0
Planned	06/23/21	2	198	99.0
Planned	06/23/21	3	87	29.0
Planned	06/23/21	1	58	58.0
Planned	06/24/21	3	102	34.0
Planned	06/24/21	7	154	22.0
Planned	06/24/21	3	87	29.0
Planned	06/24/21	3	93	31.0
Planned	06/24/21	2	46	23.0
Planned	06/24/21	5	90	18.0
Planned	06/24/21	3	3	1.0
Planned	06/24/21	6	198	33.0
Planned	06/24/21	1	118	118.0
Planned	06/24/21	1	26	26.0
Planned	06/25/21	3	885	295.0
Planned	06/25/21	3	792	264.0
Planned	06/25/21	2	530	265.0
Planned	06/25/21	3	132	44.0
Planned	06/25/21	5	120	24.0
Customer Request	06/25/21	1	147	147.0
Planned	06/27/21	629	1,258	2.0
Planned	06/28/21	4	376	94.0
Planned	06/28/21	4	452	113.0
Planned	06/28/21	3	102	34.0
Planned	06/28/21	2	260	130.0
Customer Request	06/28/21	1	206	206.0
Planned	06/28/21	9	297	33.0
Customer Request	06/29/21	1	50	50.0
Planned	06/29/21	4	193	70.0
Planned	06/29/21	4	160	40.0
Planned	06/29/21	2	40	20.0
Planned	06/29/21	15	45	3.0
Planned	06/29/21	5	365	73.0
Planned	06/30/21	2	130	65.0
Planned	06/30/21	2	78	39.0
Planned	06/30/21	5	120	24.0
Planned	06/30/21	4	536	134.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	06/30/21	9	612	68.0
Planned	06/30/21	78	3,198	41.0
Planned	06/30/21	21	1,596	76.0
Customer Request	07/01/21	1	66	66.0
Planned	07/01/21	10	2,180	218.0
Planned	07/01/21	2	230	115.0
Planned	07/01/21	2	96	48.0
Planned	07/01/21	4	296	74.0
Planned	07/01/21	4	252	63.0
Planned	07/01/21	3	105	35.0
Planned	07/02/21	2	94	47.0
Planned	07/02/21	4	104	26.0
Planned	07/02/21	5	340	68.0
Planned	07/02/21	2	30	15.0
Planned	07/02/21	1	55	55.0
Planned	07/02/21	2	100	50.0
Planned	07/03/21	2	284	142.0
Planned	07/04/21	4	844	211.0
Planned	07/05/21	11	1,298	118.0
Planned	07/06/21	2	158	79.0
Planned	07/06/21	2	298	149.0
Planned	07/06/21	2	86	43.0
Planned	07/06/21	2	78	39.0
Planned	07/06/21	6	96	16.0
Planned	07/06/21	2	98	49.0
Planned	07/06/21	4	268	67.0
Planned	07/07/21	3	366	122.0
Planned	07/07/21	21	2,415	115.0
Planned	07/07/21	4	336	84.0
Planned	07/07/21	3	471	157.0
Planned	07/07/21	3	387	129.0
Planned	07/07/21	16	160	10.0
Planned	07/07/21	25	175	7.0
Planned	07/07/21	4	136	34.0
Planned	07/07/21	3	102	34.0
Planned	07/07/21	6	60	10.0
Planned	07/07/21	3	144	48.0
Planned	07/07/21	2	96	48.0
Customer Request	07/07/21	11	2,090	190.0



<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	07/07/21	2	24	12.0
Planned	07/08/21	6	132	22.0
Planned	07/08/21	6	96	16.0
Planned	07/08/21	1	21	21.0
Planned	07/08/21	3	81	27.0
Planned	07/08/21	3	528	176.0
Customer Request	07/08/21	1	50	50.0
Planned	07/09/21	2	66	33.0
Planned	07/09/21	3	507	169.0
Planned	07/09/21	2	246	123.0
Planned	07/09/21	3	30	10.0
Planned	07/09/21	3	240	80.0
Planned	07/10/21	4	188	47.0
Customer Request	07/10/21	1	188	188.0
Customer Request	07/11/21	1	34	34.0
Planned	07/12/21	1	128	128.0
Planned	07/12/21	1	367	367.0
Planned	07/12/21	1	56	56.0
Planned	07/12/21	13	780	60.0
Planned	07/12/21	1	17	17.0
Planned	07/12/21	2	112	56.0
Planned	07/12/21	2	82	41.0
Planned	07/12/21	1	56	56.0
Planned	07/12/21	1	57	57.0
Planned	07/12/21	3	192	64.0
Planned	07/12/21	284	1,420	5.0
Planned	07/13/21	1	35	35.0
Planned	07/13/21	3	189	63.0
Planned	07/13/21	2	26	13.0
Planned	07/13/21	2	132	66.0
Planned	07/13/21	4	64	16.0
Planned	07/13/21	2	44	22.0
Planned	07/13/21	8	1,184	148.0
Planned	07/13/21	2	196	98.0
Planned	07/13/21	2	34	17.0
Planned	07/14/21	3	87	29.0
Planned	07/14/21	3	174	58.0
Planned	07/14/21	2	66	33.0
Planned	07/14/21	3	60	20.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	07/14/21	2	126	63.0
Planned	07/14/21	3	75	25.0
Planned	07/14/21	3	75	25.0
Planned	07/14/21	15	600	40.0
Planned	07/15/21	3	375	125.0
Planned	07/15/21	3	33	11.0
Planned	07/15/21	3	978	326.0
Planned	07/15/21	2	84	42.0
Planned	07/15/21	2	220	110.0
Planned	07/16/21	7	105	15.0
Planned	07/16/21	4	180	45.0
Planned	07/16/21	7	392	56.0
Planned	07/16/21	5	630	126.0
Planned	07/16/21	3	87	29.0
Planned	07/16/21	3	39	13.0
Planned	07/16/21	2	66	33.0
Customer Request	07/16/21	2	50	25.0
Planned	07/17/21	2	268	134.0
Planned	07/17/21	3	216	72.0
Planned	07/19/21	5	125	25.0
Planned	07/19/21	7	154	22.0
Planned	07/19/21	6	150	25.0
Planned	07/19/21	2	92	46.0
Planned	07/19/21	2	60	30.0
Planned	07/19/21	4	8	2.0
Planned	07/19/21	4	16	4.0
Planned	07/19/21	6	54	9.0
Planned	07/19/21	7	49	7.0
Planned	07/19/21	9	99	11.0
Planned	07/19/21	3	30	10.0
Planned	07/19/21	6	576	96.0
Planned	07/19/21	10	190	19.0
Planned	07/19/21	1	20	20.0
Planned	07/19/21	26	1,326	51.0
Planned	07/19/21	18	936	52.0
Planned	07/19/21	8	248	31.0
Customer Request	07/19/21	1	181	181.0
Customer Request	07/19/21	1	129	129.0
Planned	07/20/21	11	242	22.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	07/20/21	18	882	49.0
Planned	07/20/21	9	342	38.0
Planned	07/20/21	6	276	46.0
Planned	07/20/21	2	206	103.0
Planned	07/20/21	4	96	24.0
Planned	07/20/21	12	252	21.0
Planned	07/20/21	2	146	73.0
Planned	07/20/21	10	340	34.0
Planned	07/20/21	2	124	62.0
Planned	07/21/21	6	180	30.0
Planned	07/21/21	4	432	108.0
Planned	07/21/21	1	97	97.0
Planned	07/21/21	6	408	68.0
Planned	07/21/21	3	714	238.0
Planned	07/21/21	5	80	16.0
Planned	07/21/21	3	192	64.0
Planned	07/21/21	1	18	18.0
Planned	07/21/21	14	168	12.0
Planned	07/21/21	1	7	7.0
Planned	07/21/21	2	88	44.0
Planned	07/21/21	8	104	13.0
Planned	07/21/21	3	48	16.0
Planned	07/21/21	1	26	26.0
Planned	07/21/21	6	90	15.0
Planned	07/21/21	2	84	42.0
Planned	07/21/21	3	474	158.0
Customer Request	07/21/21	1	164	164.0
Planned	07/22/21	4	60	15.0
Planned	07/22/21	7	105	15.0
Planned	07/22/21	2	34	17.0
Planned	07/23/21	4	240	60.0
Planned	07/23/21	2	162	81.0
Planned	07/23/21	5	20	4.0
Planned	07/23/21	3	234	78.0
Planned	07/23/21	4	196	49.0
Customer Request	07/23/21	2	298	149.0
Planned	07/24/21	2	168	84.0
Planned	07/24/21	9	684	76.0
Planned	07/24/21	3	171	57.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	07/26/21	3	141	47.0
Planned	07/26/21	2	84	42.0
Planned	07/26/21	3	267	89.0
Planned	07/26/21	3	456	152.0
Planned	07/26/21	3	54	18.0
Planned	07/26/21	7	189	27.0
Planned	07/27/21	4	168	42.0
Planned	07/27/21	3	93	31.0
Planned	07/28/21	15	180	12.0
Planned	07/28/21	2	102	51.0
Planned	07/28/21	175	4,375	25.0
Planned	07/28/21	3	228	76.0
Planned	07/28/21	3	69	23.0
Planned	07/29/21	5	450	90.0
Planned	07/29/21	3	363	121.0
Planned	07/29/21	3	63	21.0
Planned	07/29/21	55	2,860	52.0
Planned	07/29/21	2	8	4.0
Planned	07/29/21	2	22	11.0
Planned	07/29/21	4	452	113.0
Customer Request	07/30/21	1	141	141.0
Planned	07/30/21	24	624	26.0
Customer Request	07/30/21	1	222	222.0
Planned	07/30/21	1	1	1.0
Planned	07/31/21	7	462	66.0
Planned	08/02/21	3	213	71.0
Planned	08/02/21	5	235	47.0
Planned	08/02/21	1	71	71.0
Planned	08/02/21	2	28	14.0
Planned	08/02/21	4	164	41.0
Customer Request	08/02/21	1	76	76.0
Planned	08/03/21	4	420	105.0
Planned	08/03/21	4	52	13.0
Planned	08/03/21	2	280	140.0
Planned	08/03/21	3	420	140.0
Planned	08/03/21	6	216	36.0
Planned	08/03/21	1	207	207.0
Planned	08/04/21	4	28	7.0
Planned	08/04/21	5	325	65.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	08/04/21	4	104	26.0
Planned	08/04/21	11	88	8.0
Planned	08/04/21	3	258	86.0
Planned	08/04/21	4	320	80.0
Customer Request	08/04/21	1	162	162.0
Planned	08/04/21	2	50	25.0
Planned	08/04/21	4	60	15.0
Planned	08/05/21	3	249	83.0
Planned	08/05/21	4	28	7.0
Planned	08/05/21	3	27	9.0
Planned	08/05/21	6	606	101.0
Planned	08/05/21	7	217	31.0
Planned	08/05/21	8	416	52.0
Planned	08/05/21	4	132	33.0
Planned	08/06/21	3	234	78.0
Planned	08/06/21	9	117	13.0
Planned	08/06/21	2	50	25.0
Planned	08/07/21	2	230	115.0
Planned	08/07/21	3	390	130.0
Planned	08/07/21	1	165	165.0
Planned	08/08/21	4	140	35.0
Planned	08/08/21	10	1,200	120.0
Planned	08/09/21	3	153	51.0
Planned	08/09/21	12	420	35.0
Planned	08/09/21	2	62	31.0
Planned	08/09/21	4	104	26.0
Planned	08/09/21	2	308	154.0
Planned	08/09/21	2	120	60.0
Planned	08/09/21	2	76	38.0
Planned	08/10/21	4	888	222.0
Planned	08/10/21	9	1,998	222.0
Planned	08/10/21	2	108	54.0
Planned	08/10/21	2	418	209.0
Planned	08/10/21	3	48	16.0
Planned	08/10/21	6	96	16.0
Planned	08/10/21	2	146	73.0
Planned	08/10/21	2	72	36.0
Customer Request	08/10/21	1	82	82.0
Planned	08/10/21	3	69	23.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	08/11/21	5	420	84.0
Planned	08/11/21	17	1,870	110.0
Planned	08/11/21	11	682	62.0
Planned	08/11/21	7	518	74.0
Planned	08/11/21	2	56	28.0
Customer Request	08/12/21	4	468	117.0
Planned	08/12/21	1	361	361.0
Planned	08/12/21	4	80	20.0
Planned	08/13/21	2	32	16.0
Planned	08/13/21	2	16	8.0
Planned	08/13/21	2	54	27.0
Planned	08/13/21	8	280	35.0
Planned	08/13/21	3	45	15.0
Customer Request	08/13/21	7	980	140.0
Planned	08/14/21	1	131	131.0
Planned	08/14/21	7	140	20.0
Customer Request	08/14/21	1	113	113.0
Planned	08/15/21	2	462	231.0
Planned	08/15/21	1	31	31.0
Planned	08/18/21	4	100	25.0
Planned	08/18/21	3	36	12.0
Planned	08/18/21	4	320	80.0
Planned	08/18/21	2	238	119.0
Planned	08/18/21	5	155	31.0
Planned	08/18/21	16	240	15.0
Planned	08/18/21	12	192	16.0
Planned	08/18/21	2	120	60.0
Planned	08/18/21	11	242	22.0
Planned	08/18/21	36	792	22.0
Planned	08/19/21	3	240	80.0
Planned	08/19/21	6	210	35.0
Planned	08/19/21	4	632	158.0
Planned	08/19/21	1	77	77.0
Planned	08/19/21	6	510	85.0
Planned	08/19/21	4	328	82.0
Planned	08/19/21	2	154	77.0
Planned	08/19/21	2	14	7.0
Planned	08/19/21	4	296	74.0
Planned	08/19/21	4	28	7.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	08/20/21	3	72	24.0
Planned	08/20/21	7	133	19.0
Planned	08/20/21	6	294	49.0
Planned	08/22/21	3	27	9.0
Planned	08/22/21	8	72	9.0
Planned	08/22/21	9	162	18.0
Planned	08/23/21	7	126	18.0
Planned	08/23/21	3	273	91.0
Planned	08/23/21	4	188	47.0
Planned	08/23/21	5	260	52.0
Planned	08/23/21	8	344	43.0
Planned	08/23/21	6	186	31.0
Planned	08/23/21	2	76	38.0
Customer Request	08/23/21	3	309	103.0
Planned	08/24/21	3	12	4.0
Planned	08/24/21	6	984	164.0
Planned	08/24/21	4	248	62.0
Planned	08/24/21	7	406	58.0
Planned	08/24/21	2	416	208.0
Planned	08/24/21	9	315	35.0
Planned	08/24/21	24	264	11.0
Planned	08/24/21	2	98	49.0
Planned	08/24/21	5	885	177.0
Planned	08/24/21	3	90	30.0
Planned	08/25/21	3	723	241.0
Planned	08/25/21	2	178	89.0
Planned	08/25/21	2	136	68.0
Planned	08/25/21	304	32,528	107.0
Planned	08/25/21	4	456	114.0
Planned	08/25/21	4	120	30.0
Planned	08/25/21	11	407	37.0
Planned	08/25/21	5	125	25.0
Planned	08/25/21	8	552	69.0
Planned	08/25/21	7	21	3.0
Planned	08/25/21	1	36	36.0
Planned	08/26/21	1	73	73.0
Planned	08/26/21	10	150	15.0
Planned	08/26/21	3	96	32.0
Planned	08/26/21	4	372	93.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	08/26/21	3	108	36.0
Planned	08/26/21	3	78	26.0
Planned	08/26/21	3	126	42.0
Planned	08/26/21	2	190	95.0
Planned	08/26/21	7	602	86.0
Planned	08/26/21	3	78	26.0
Planned	08/26/21	8	120	15.0
Customer Request	08/26/21	1	126	126.0
Customer Request	08/26/21	24	2,064	86.0
Planned	08/26/21	74	1,356	147.0
Planned	08/27/21	2	54	27.0
Planned	08/27/21	5	470	94.0
Planned	08/27/21	1	52	52.0
Planned	08/28/21	3	267	89.0
Planned	08/30/21	4	124	31.0
Planned	08/30/21	8	192	24.0
Planned	08/30/21	8	96	12.0
Planned	09/01/21	4	420	105.0
Planned	09/01/21	3	33	11.0
Planned	09/01/21	2	128	64.0
Planned	09/01/21	2	92	46.0
Planned	09/01/21	13	299	23.0
Customer Request	09/01/21	1	44	44.0
Planned	09/02/21	23	299	13.0
Planned	09/02/21	5	255	51.0
Planned	09/02/21	3	366	122.0
Planned	09/02/21	14	1,176	84.0
Planned	09/02/21	10	260	26.0
Planned	09/02/21	20	940	47.0
Planned	09/02/21	2	26	13.0
Planned	09/03/21	4	104	26.0
Planned	09/03/21	3	537	179.0
Planned	09/03/21	51	3,111	61.0
Planned	09/03/21	5	65	13.0
Planned	09/05/21	13	2,847	219.0
Planned	09/05/21	1	204	204.0
Planned	09/05/21	23	2,783	121.0
Planned	09/06/21	6	426	71.0
Planned	09/07/21	2	124	62.0



<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	09/07/21	5	460	92.0
Planned	09/07/21	7	273	39.0
Planned	09/07/21	2	48	24.0
Planned	09/07/21	13	806	62.0
Planned	09/07/21	6	144	24.0
Planned	09/07/21	6	126	21.0
Planned	09/08/21	2	328	164.0
Planned	09/09/21	3	192	64.0
Planned	09/09/21	3	411	137.0
Planned	09/09/21	1	22	22.0
Planned	09/09/21	18	2,530	216.0
Planned	09/09/21	3	237	79.0
Planned	09/09/21	3	231	77.0
Planned	09/09/21	4	56	14.0
Planned	09/09/21	2	156	78.0
Planned	09/09/21	2	118	59.0
Planned	09/09/21	2	18	9.0
Planned	09/10/21	27	2,322	86.0
Planned	09/10/21	5	180	36.0
Planned	09/10/21	2	68	34.0
Planned	09/10/21	5	105	21.0
Planned	09/10/21	2	114	57.0
Planned	09/10/21	2	60	30.0
Planned	09/10/21	1	33	33.0
Planned	09/10/21	28	1,876	67.0
Planned	09/10/21	26	1,586	61.0
Customer Request	09/10/21	1	42	42.0
Planned	09/11/21	5	635	127.0
Planned	09/11/21	5	160	32.0
Planned	09/12/21	4	100	25.0
Planned	09/12/21	8	592	74.0
Planned	09/12/21	1	36	36.0
Planned	09/12/21	3	408	136.0
Planned	09/13/21	1	59	59.0
Planned	09/13/21	2	322	161.0
Planned	09/13/21	3	30	10.0
Planned	09/13/21	8	824	103.0
Planned	09/13/21	8	104	13.0
Planned	09/13/21	2	160	80.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	09/13/21	2	258	129.0
Planned	09/13/21	9	198	22.0
Planned	09/13/21	5	560	112.0
Planned	09/13/21	6	192	32.0
Planned	09/13/21	2	206	103.0
Planned	09/13/21	1	159	159.0
Planned	09/13/21	7	182	26.0
Planned	09/14/21	9	126	14.0
Planned	09/14/21	1	85	85.0
Planned	09/14/21	2	66	33.0
Planned	09/14/21	4	340	85.0
Planned	09/14/21	3	129	43.0
Planned	09/14/21	16	688	43.0
Customer Request	09/14/21	1	34	34.0
Planned	09/15/21	2	136	68.0
Planned	09/16/21	23	2,599	113.0
Planned	09/16/21	7	182	26.0
Planned	09/16/21	42	2,226	53.0
Planned	09/16/21	3	159	53.0
Planned	09/16/21	10	80	8.0
Planned	09/16/21	2	48	24.0
Planned	09/17/21	3	279	93.0
Customer Request	09/17/21	1	106	106.0
Customer Request	09/18/21	13	1,892	222.0
Planned	09/20/21	2	162	81.0
Planned	09/20/21	7	245	119.0
Planned	09/20/21	3	168	56.0
Planned	09/20/21	4	148	37.0
Planned	09/20/21	5	740	148.0
Planned	09/20/21	2	50	25.0
Planned	09/20/21	3	57	19.0
Planned	09/20/21	1	101	101.0
Planned	09/20/21	1	101	101.0
Planned	09/21/21	2	84	42.0
Planned	09/21/21	3	111	37.0
Planned	09/21/21	3	72	24.0
Planned	09/21/21	4	320	80.0
Planned	09/21/21	3	42	14.0
Planned	09/21/21	30	1,620	54.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	09/21/21	4	184	46.0
Planned	09/22/21	4	484	121.0
Planned	09/22/21	2	242	121.0
Planned	09/22/21	3	276	92.0
Planned	09/22/21	50	400	8.0
Planned	09/22/21	2	232	116.0
Planned	09/22/21	3	303	101.0
Planned	09/22/21	3	132	44.0
Planned	09/22/21	1	111	111.0
Planned	09/22/21	1	110	110.0
Planned	09/22/21	1	25	25.0
Planned	09/22/21	6	126	21.0
Customer Request	09/22/21	1	81	81.0
Planned	09/23/21	9	180	20.0
Planned	09/23/21	4	552	138.0
Planned	09/23/21	1	55	55.0
Planned	09/23/21	50	1,400	28.0
Planned	09/23/21	6	348	58.0
Customer Request	09/24/21	1	87	87.0
Planned	09/24/21	2	392	196.0
Planned	09/24/21	2	36	18.0
Planned	09/24/21	4	68	17.0
Planned	09/24/21	2	400	200.0
Planned	09/26/21	1	68	68.0
Planned	09/26/21	3	120	40.0
Planned	09/27/21	4	276	69.0
Planned	09/27/21	5	80	16.0
Customer Request	09/27/21	3	177	59.0
Planned	09/27/21	4	64	16.0
Planned	09/27/21	3	153	51.0
Planned	09/27/21	6	156	26.0
Planned	09/27/21	3	336	112.0
Planned	09/28/21	2	56	28.0
Planned	09/28/21	2	56	28.0
Planned	09/28/21	13	1,807	139.0
Planned	09/28/21	6	216	36.0
Planned	09/28/21	5	70	14.0
Planned	09/28/21	4	264	66.0
Planned	09/28/21	2	32	16.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	09/28/21	1	11	11.0
Planned	09/28/21	5	200	40.0
Planned	09/28/21	2	80	40.0
Planned	09/28/21	2	208	104.0
Planned	09/29/21	2	34	17.0
Planned	09/29/21	4	108	27.0
Planned	09/29/21	4	140	35.0
Planned	09/29/21	2	212	106.0
Planned	09/29/21	3	78	26.0
Planned	09/29/21	4	376	94.0
Planned	09/29/21	5	460	92.0
Planned	09/29/21	4	188	47.0
Planned	09/30/21	3	528	176.0
Planned	09/30/21	2	304	152.0
Planned	09/30/21	3	216	72.0
Planned	09/30/21	4	684	171.0
Planned	09/30/21	4	40	10.0
Planned	09/30/21	3	117	39.0
Planned	09/30/21	4	456	114.0
Planned	09/30/21	7	371	53.0
Planned	09/30/21	1	19	19.0
Planned	09/30/21	2	114	57.0
Planned	09/30/21	2	164	82.0
Planned	09/30/21	2	92	46.0
Planned	10/01/21	2	1,198	599.0
Planned	10/01/21	3	48	16.0
Planned	10/01/21	1	126	126.0
Planned	10/01/21	2	192	96.0
Planned	10/01/21	7	574	82.0
Planned	10/02/21	2	352	176.0
Customer Request	10/02/21	1	73	73.0
Planned	10/02/21	4	1,108	277.0
Planned	10/04/21	3	135	45.0
Planned	10/04/21	1	20	20.0
Planned	10/04/21	2	84	42.0
Planned	10/05/21	4	92	23.0
Planned	10/05/21	3	459	153.0
Planned	10/05/21	4	204	51.0
Planned	10/05/21	2	40	20.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	10/05/21	3	369	123.0
Planned	10/06/21	4	136	34.0
Planned	10/06/21	6	102	17.0
Planned	10/06/21	5	230	46.0
Planned	10/06/21	4	216	54.0
Planned	10/06/21	4	260	65.0
Planned	10/07/21	3	129	43.0
Customer Request	10/07/21	5	150	30.0
Planned	10/07/21	3	390	130.0
Planned	10/07/21	3	228	76.0
Planned	10/07/21	1	52	52.0
Planned	10/07/21	5	455	91.0
Planned	10/07/21	5	80	16.0
Planned	10/08/21	2	38	19.0
Planned	10/08/21	4	568	142.0
Planned	10/08/21	5	80	16.0
Planned	10/09/21	7	840	120.0
Planned	10/09/21	6	318	53.0
Planned	10/11/21	2	100	50.0
Planned	10/11/21	2	176	88.0
Planned	10/11/21	6	354	59.0
Planned	10/11/21	4	188	47.0
Planned	10/11/21	4	196	49.0
Planned	10/11/21	6	636	106.0
Planned	10/11/21	10	1,800	180.0
Planned	10/11/21	7	742	106.0
Planned	10/11/21	8	416	52.0
Planned	10/11/21	5	30	6.0
Planned	10/11/21	4	204	51.0
Planned	10/11/21	3	351	117.0
Planned	10/12/21	1	26	26.0
Planned	10/12/21	3	624	208.0
Planned	10/12/21	2	302	151.0
Planned	10/12/21	5	500	100.0
Planned	10/12/21	4	184	46.0
Planned	10/12/21	3	264	88.0
Planned	10/12/21	5	390	78.0
Planned	10/12/21	3	81	27.0
Planned	10/12/21	3	177	59.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	10/12/21	2	52	26.0
Planned	10/12/21	1	42	42.0
Planned	10/12/21	1	42	42.0
Planned	10/12/21	2	44	22.0
Planned	10/12/21	2	18	9.0
Planned	10/12/21	23	276	12.0
Planned	10/13/21	60	2,040	34.0
Planned	10/13/21	3	321	107.0
Planned	10/13/21	3	66	22.0
Planned	10/13/21	3	48	16.0
Planned	10/13/21	4	264	66.0
Planned	10/13/21	5	255	51.0
Planned	10/13/21	4	306	151.0
Planned	10/13/21	1	149	149.0
Planned	10/13/21	2	14	7.0
Planned	10/13/21	4	48	12.0
Planned	10/13/21	2	392	196.0
Planned	10/13/21	8	392	49.0
Planned	10/13/21	1	76	76.0
Planned	10/13/21	2	124	62.0
Planned	10/14/21	3	315	105.0
Planned	10/14/21	2	92	46.0
Planned	10/14/21	4	276	69.0
Planned	10/14/21	2	410	205.0
Planned	10/14/21	8	32	4.0
Planned	10/14/21	2	244	122.0
Planned	10/14/21	4	288	72.0
Planned	10/14/21	4	408	102.0
Planned	10/14/21	11	2,145	195.0
Planned	10/14/21	4	548	137.0
Planned	10/14/21	1	62	62.0
Planned	10/14/21	2	152	76.0
Planned	10/14/21	11	418	38.0
Planned	10/14/21	2	30	15.0
Planned	10/14/21	3	87	29.0
Planned	10/15/21	6	900	150.0
Planned	10/15/21	3	252	84.0
Planned	10/15/21	3	159	53.0
Planned	10/15/21	6	450	75.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	10/15/21	10	280	28.0
Planned	10/15/21	2	128	64.0
Planned	10/15/21	9	684	76.0
Planned	10/15/21	2	34	17.0
Planned	10/16/21	4	364	91.0
Planned	10/17/21	3	1,011	337.0
Planned	10/17/21	4	1,356	339.0
Planned	10/17/21	4	700	175.0
Planned	10/17/21	4	1,036	259.0
Planned	10/17/21	3	174	58.0
Planned	10/17/21	5	60	12.0
Customer Request	10/18/21	568	22,152	39.0
Planned	10/18/21	2	54	27.0
Planned	10/18/21	2	54	27.0
Planned	10/18/21	4	208	52.0
Planned	10/18/21	9	720	80.0
Planned	10/19/21	1	159	160.0
Planned	10/19/21	6	204	34.0
Planned	10/19/21	3	471	157.0
Planned	10/19/21	4	496	124.0
Planned	10/19/21	18	990	55.0
Planned	10/19/21	6	114	19.0
Planned	10/19/21	1	115	115.0
Planned	10/19/21	4	216	54.0
Planned	10/19/21	4	244	61.0
Planned	10/20/21	6	96	16.0
Planned	10/20/21	5	400	80.0
Planned	10/20/21	2	412	206.0
Planned	10/20/21	3	123	41.0
Planned	10/20/21	13	533	41.0
Planned	10/20/21	2	64	32.0
Planned	10/20/21	2	256	128.0
Planned	10/20/21	2	190	95.0
Planned	10/20/21	2	50	25.0
Planned	10/20/21	2	154	77.0
Planned	10/20/21	3	396	132.0
Planned	10/20/21	2	36	18.0
Planned	10/20/21	2	170	85.0
Planned	10/20/21	2	68	34.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	10/20/21	2	432	216.0
Planned	10/20/21	2	462	231.0
Planned	10/21/21	2	246	123.0
Planned	10/21/21	4	60	15.0
Planned	10/21/21	10	2,040	204.0
Planned	10/21/21	10	820	82.0
Planned	10/21/21	2	319	182.0
Planned	10/21/21	2	98	49.0
Planned	10/21/21	2	204	102.0
Planned	10/21/21	1	90	90.0
Planned	10/21/21	37	333	9.0
Planned	10/21/21	3	51	17.0
Planned	10/21/21	9	441	49.0
Planned	10/21/21	2	150	75.0
Planned	10/21/21	1	333	333.0
Planned	10/22/21	2	242	121.0
Planned	10/22/21	5	240	48.0
Planned	10/22/21	2	54	27.0
Planned	10/22/21	4	320	80.0
Planned	10/22/21	5	60	12.0
Planned	10/22/21	4	136	34.0
Planned	10/22/21	3	15	5.0
Planned	10/22/21	4	268	67.0
Planned	10/22/21	2	224	112.0
Planned	10/23/21	1	14	14.0
Planned	10/23/21	3	162	54.0
Planned	10/24/21	6	1,998	333.0
Planned	10/24/21	2	228	114.0
Planned	10/24/21	3	282	94.0
Planned	10/25/21	4	196	49.0
Planned	10/25/21	2	150	75.0
Planned	10/25/21	2	290	145.0
Planned	10/25/21	9	1,035	115.0
Planned	10/25/21	6	552	92.0
Planned	10/25/21	3	231	77.0
Planned	10/25/21	1	65	65.0
Planned	10/25/21	2	140	70.0
Planned	10/25/21	4	80	20.0
Planned	10/25/21	5	300	60.0



<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	10/25/21	9	540	60.0
Planned	10/25/21	6	1,194	199.0
Planned	10/25/21	2	120	60.0
Planned	10/25/21	6	402	67.0
Planned	10/25/21	6	115	60.0
Planned	10/25/21	3	270	90.0
Planned	10/25/21	2	212	106.0
Planned	10/25/21	2	28	14.0
Planned	10/25/21	2	118	59.0
Planned	10/25/21	2	194	97.0
Planned	10/25/21	1	177	177.0
Planned	10/26/21	3	153	51.0
Planned	10/26/21	2	354	177.0
Planned	10/26/21	1	180	180.0
Planned	10/26/21	6	1,428	238.0
Planned	10/26/21	1	59	59.0
Planned	10/26/21	2	154	77.0
Planned	10/26/21	2	302	151.0
Planned	10/26/21	1	142	142.0
Planned	10/26/21	10	260	26.0
Planned	10/26/21	2	36	18.0
Planned	10/26/21	2	42	21.0
Planned	10/26/21	3	240	80.0
Planned	10/26/21	1	49	49.0
Planned	10/26/21	1	75	75.0
Planned	10/26/21	2	86	43.0
Planned	10/26/21	6	270	45.0
Planned	10/26/21	2	174	87.0
Planned	10/27/21	10	1,030	103.0
Planned	10/27/21	7	826	126.0
Planned	10/27/21	8	736	92.0
Customer Request	10/27/21	1	1,570	1570.0
Planned	10/27/21	9	792	88.0
Planned	10/27/21	4	68	17.0
Planned	10/27/21	10	2,100	210.0
Planned	10/27/21	5	115	23.0
Planned	10/28/21	2	282	141.0
Planned	10/28/21	7	749	107.0
Planned	10/28/21	4	76	19.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	10/28/21	2	46	23.0
Planned	10/28/21	1	57	57.0
Planned	10/29/21	8	1,416	177.0
Planned	10/29/21	6	1,164	194.0
Planned	10/29/21	13	1,677	129.0
Planned	10/29/21	2	90	45.0
Planned	10/29/21	3	96	32.0
Planned	10/29/21	4	108	27.0
Planned	10/29/21	5	290	58.0
Planned	10/30/21	31	1,116	36.0
Planned	10/30/21	2	208	104.0
Planned	10/31/21	24	4,584	191.0
Planned	10/31/21	2	106	53.0
Planned	11/01/21	2	470	235.0
Planned	11/01/21	8	1,448	181.0
Planned	11/01/21	8	1,168	146.0
Planned	11/01/21	3	78	26.0
Planned	11/01/21	3	141	47.0
Planned	11/01/21	2	54	27.0
Planned	11/01/21	4	596	149.0
Planned	11/01/21	6	144	24.0
Planned	11/01/21	7	70	10.0
Planned	11/01/21	5	465	93.0
Planned	11/01/21	4	472	118.0
Planned	11/01/21	2	106	53.0
Planned	11/01/21	6	786	131.0
Planned	11/02/21	2	194	97.0
Planned	11/02/21	10	1,390	139.0
Planned	11/02/21	2	156	78.0
Planned	11/02/21	2	178	89.0
Planned	11/02/21	3	9	3.0
Planned	11/02/21	4	76	19.0
Planned	11/02/21	1	46	46.0
Planned	11/02/21	5	265	53.0
Planned	11/02/21	2	144	72.0
Planned	11/02/21	4	284	71.0
Planned	11/02/21	2	144	72.0
Planned	11/03/21	12	1,320	110.0
Planned	11/03/21	12	1,320	110.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	11/03/21	2	222	111.0
Planned	11/03/21	12	1,320	110.0
Planned	11/03/21	1	21	21.0
Planned	11/03/21	2	114	57.0
Planned	11/03/21	2	252	126.0
Customer Request	11/03/21	5	510	102.0
Planned	11/03/21	1	7	7.0
Planned	11/03/21	2	96	48.0
Planned	11/03/21	6	474	79.0
Planned	11/03/21	6	780	130.0
Planned	11/03/21	2	66	33.0
Planned	11/03/21	27	1,647	61.0
Planned	11/04/21	1	1	1.0
Planned	11/04/21	5	330	66.0
Planned	11/04/21	2	236	118.0
Planned	11/04/21	4	660	165.0
Planned	11/04/21	7	469	67.0
Planned	11/04/21	2	50	33.0
Planned	11/04/21	5	65	13.0
Planned	11/04/21	8	113	36.0
Planned	11/04/21	7	91	13.0
Planned	11/04/21	2	334	167.0
Planned	11/05/21	3	756	252.0
Planned	11/05/21	3	75	25.0
Planned	11/05/21	4	608	152.0
Planned	11/05/21	2	58	29.0
Planned	11/05/21	16	1,152	72.0
Planned	11/05/21	11	781	71.0
Planned	11/05/21	3	45	15.0
Planned	11/05/21	2	184	92.0
Customer Request	11/05/21	1	48	48.0
Planned	11/08/21	2	112	56.0
Planned	11/08/21	7	266	38.0
Planned	11/08/21	2	64	32.0
Planned	11/08/21	4	84	21.0
Planned	11/08/21	2	58	29.0
Planned	11/08/21	4	40	10.0
Planned	11/08/21	6	262	50.0
Planned	11/08/21	5	175	35.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	11/08/21	2	160	80.0
Planned	11/08/21	13	390	30.0
Planned	11/08/21	3	219	73.0
Planned	11/09/21	3	78	26.0
Planned	11/09/21	6	306	51.0
Planned	11/09/21	4	384	96.0
Planned	11/09/21	4	384	96.0
Planned	11/09/21	2	34	17.0
Planned	11/09/21	6	570	95.0
Planned	11/09/21	2	220	110.0
Planned	11/09/21	4	196	49.0
Planned	11/09/21	4	196	49.0
Planned	11/09/21	3	474	158.0
Planned	11/09/21	2	294	147.0
Planned	11/09/21	2	338	169.0
Planned	11/09/21	1	60	60.0
Planned	11/09/21	4	52	13.0
Planned	11/09/21	5	145	29.0
Planned	11/10/21	3	132	44.0
Planned	11/10/21	3	126	42.0
Planned	11/10/21	4	716	179.0
Planned	11/10/21	2	344	172.0
Planned	11/10/21	4	72	18.0
Planned	11/10/21	4	40	10.0
Planned	11/10/21	5	745	149.0
Planned	11/10/21	4	44	11.0
Planned	11/10/21	5	325	65.0
Planned	11/10/21	3	123	41.0
Planned	11/10/21	4	232	58.0
Planned	11/10/21	3	306	102.0
Planned	11/10/21	2	66	33.0
Planned	11/10/21	2	122	61.0
Planned	11/10/21	2	94	47.0
Planned	11/10/21	2	22	11.0
Planned	11/10/21	4	380	95.0
Planned	11/10/21	39	390	10.0
Planned	11/10/21	5	50	10.0
Planned	11/10/21	4	220	55.0
Planned	11/10/21	14	224	16.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	11/11/21	5	350	70.0
Planned	11/11/21	63	441	7.0
Planned	11/11/21	2	126	63.0
Planned	11/12/21	19	7,771	409.0
Planned	11/12/21	2	80	40.0
Planned	11/12/21	4	120	30.0
Planned	11/12/21	1	45	45.0
Customer Request	11/13/21	5	1,500	300.0
Planned	11/15/21	9	1,350	150.0
Planned	11/15/21	4	556	139.0
Planned	11/15/21	4	156	39.0
Planned	11/15/21	1	11	11.0
Planned	11/15/21	3	27	9.0
Planned	11/15/21	5	625	125.0
Planned	11/15/21	3	351	117.0
Planned	11/15/21	2	366	183.0
Planned	11/15/21	4	88	22.0
Planned	11/15/21	4	492	123.0
Planned	11/16/21	4	60	15.0
Planned	11/16/21	1	86	86.0
Planned	11/16/21	2	48	24.0
Planned	11/16/21	1	14	14.0
Planned	11/16/21	1	14	14.0
Planned	11/16/21	53	636	12.0
Planned	11/16/21	5	485	97.0
Planned	11/16/21	10	250	25.0
Planned	11/16/21	2	118	59.0
Planned	11/16/21	3	246	82.0
Planned	11/16/21	4	116	29.0
Planned	11/16/21	2	28	14.0
Planned	11/16/21	7	196	28.0
Planned	11/16/21	2	40	20.0
Planned	11/16/21	4	320	80.0
Planned	11/16/21	151	6,493	43.0
Planned	11/16/21	7	301	43.0
Planned	11/16/21	2	18	9.0
Planned	11/17/21	5	75	15.0
Planned	11/17/21	2	112	56.0
Planned	11/17/21	5	90	18.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	11/17/21	3	609	203.0
Planned	11/17/21	1	183	183.0
Planned	11/17/21	3	291	97.0
Planned	11/17/21	3	99	33.0
Planned	11/17/21	1	30	30.0
Planned	11/17/21	15	285	19.0
Planned	11/17/21	2	164	82.0
Planned	11/18/21	1	24	24.0
Planned	11/18/21	6	18	3.0
Planned	11/18/21	2	86	43.0
Planned	11/18/21	17	510	30.0
Planned	11/18/21	17	476	28.0
Planned	11/18/21	2	118	59.0
Planned	11/18/21	2	60	30.0
Planned	11/18/21	2	96	48.0
Planned	11/18/21	3	87	29.0
Planned	11/18/21	8	568	71.0
Planned	11/18/21	11	616	56.0
Planned	11/18/21	5	765	153.0
Planned	11/18/21	3	312	104.0
Planned	11/18/21	1	32	32.0
Planned	11/18/21	3	96	32.0
Planned	11/18/21	8	32	4.0
Planned	11/18/21	3	114	38.0
Planned	11/18/21	3	399	133.0
Planned	11/19/21	3	180	60.0
Planned	11/20/21	2	464	232.0
Planned	11/20/21	2	206	103.0
Planned	11/20/21	2	180	90.0
Planned	11/20/21	2	180	90.0
Planned	11/21/21	2	334	167.0
Planned	11/21/21	2	318	159.0
Planned	11/22/21	2	46	23.0
Customer Request	11/22/21	1	41	41.0
Planned	11/22/21	10	510	51.0
Planned	11/22/21	2	108	54.0
Planned	11/22/21	2	170	85.0
Planned	11/23/21	14	462	33.0
Planned	11/23/21	5	140	28.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	11/23/21	1	3	3.0
Planned	11/23/21	9	54	6.0
Planned	11/23/21	4	44	11.0
Planned	11/23/21	4	140	35.0
Planned	11/23/21	2	272	136.0
Planned	11/23/21	4	136	34.0
Planned	11/24/21	3	240	80.0
Planned	11/24/21	4	220	55.0
Planned	11/24/21	5	115	23.0
Planned	11/26/21	2	64	32.0
Planned	11/26/21	3	186	62.0
Planned	11/28/21	4	228	57.0
Planned	11/29/21	5	95	19.0
Planned	11/29/21	2	44	22.0
Planned	11/29/21	2	34	17.0
Planned	11/29/21	4	396	99.0
Planned	11/29/21	3	204	68.0
Planned	11/29/21	2	42	21.0
Planned	11/29/21	4	36	9.0
Planned	11/29/21	5	155	31.0
Planned	11/30/21	4	124	31.0
Planned	11/30/21	2	28	14.0
Planned	11/30/21	5	265	53.0
Planned	11/30/21	2	62	31.0
Planned	11/30/21	97	776	8.0
Planned	11/30/21	45	315	7.0
Planned	11/30/21	4	248	62.0
Planned	11/30/21	3	201	67.0
Planned	11/30/21	1	6	6.0
Customer Request	12/01/21	8	344	43.0
Planned	12/01/21	6	240	40.0
Planned	12/01/21	2	48	24.0
Planned	12/01/21	1	125	125.0
Planned	12/01/21	4	276	69.0
Planned	12/01/21	2	220	110.0
Planned	12/01/21	2	490	245.0
Planned	12/01/21	5	600	120.0
Planned	12/01/21	1	23	23.0
Planned	12/01/21	24	384	16.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	12/02/21	2	384	192.0
Planned	12/02/21	6	240	40.0
Planned	12/02/21	4	60	15.0
Planned	12/02/21	2	158	79.0
Planned	12/02/21	3	135	45.0
Planned	12/02/21	6	210	35.0
Planned	12/02/21	2	44	22.0
Planned	12/02/21	3	360	120.0
Planned	12/03/21	6	144	24.0
Planned	12/03/21	7	168	24.0
Planned	12/03/21	3	45	15.0
Planned	12/03/21	3	261	87.0
Planned	12/03/21	5	55	11.0
Planned	12/03/21	1	29	29.0
Planned	12/03/21	4	224	56.0
Planned	12/04/21	8	688	86.0
Planned	12/04/21	2	176	88.0
Planned	12/04/21	10	170	17.0
Planned	12/05/21	12	624	52.0
Planned	12/05/21	3	738	246.0
Planned	12/05/21	1	175	175.0
Planned	12/06/21	3	291	97.0
Planned	12/06/21	3	48	16.0
Planned	12/06/21	4	212	53.0
Planned	12/06/21	2	26	13.0
Planned	12/06/21	6	108	18.0
Planned	12/06/21	1	60	60.0
Planned	12/07/21	6	246	41.0
Planned	12/07/21	2	152	76.0
Planned	12/08/21	2	180	90.0
Planned	12/08/21	1	80	80.0
Planned	12/08/21	2	56	28.0
Planned	12/08/21	3	159	53.0
Planned	12/08/21	5	220	44.0
Planned	12/08/21	1	9	9.0
Planned	12/08/21	5	440	88.0
Planned	12/08/21	2	30	15.0
Planned	12/08/21	2	250	125.0
Planned	12/08/21	12	408	34.0



<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	12/09/21	4	404	101.0
Planned	12/09/21	2	202	101.0
Planned	12/09/21	2	220	110.0
Planned	12/09/21	5	195	39.0
Planned	12/09/21	5	930	186.0
Planned	12/10/21	4	64	16.0
Planned	12/10/21	3	48	16.0
Planned	12/10/21	10	110	11.0
Planned	12/11/21	4	160	40.0
Planned	12/12/21	10	1,970	197.0
Planned	12/12/21	4	396	99.0
Planned	12/12/21	5	95	19.0
Planned	12/13/21	4	552	138.0
Planned	12/13/21	7	63	9.0
Planned	12/13/21	8	440	55.0
Planned	12/13/21	5	520	104.0
Planned	12/13/21	6	570	95.0
Planned	12/13/21	2	72	36.0
Planned	12/13/21	6	294	49.0
Planned	12/13/21	3	402	134.0
Planned	12/13/21	2	134	67.0
Planned	12/14/21	3	504	168.0
Planned	12/14/21	3	447	149.0
Planned	12/14/21	5	595	119.0
Planned	12/14/21	3	165	55.0
Planned	12/14/21	4	168	42.0
Planned	12/14/21	2	170	85.0
Planned	12/14/21	2	226	113.0
Planned	12/14/21	2	178	89.0
Planned	12/14/21	2	252	126.0
Planned	12/14/21	2	138	69.0
Planned	12/15/21	3	300	100.0
Planned	12/15/21	9	747	83.0
Planned	12/15/21	2	200	100.0
Planned	12/15/21	6	804	134.0
Planned	12/16/21	8	72	9.0
Planned	12/16/21	6	54	9.0
Planned	12/16/21	5	105	21.0
Planned	12/16/21	6	600	100.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	12/16/21	3	156	52.0
Planned	12/16/21	2	142	71.0
Planned	12/16/21	4	524	131.0
Planned	12/16/21	5	180	36.0
Planned	12/16/21	6	216	36.0
Planned	12/16/21	5	460	92.0
Planned	12/16/21	1	22	22.0
Planned	12/17/21	2	72	36.0
Planned	12/17/21	2	92	46.0
Planned	12/17/21	3	240	80.0
Planned	12/17/21	2	214	107.0
Planned	12/17/21	1	85	85.0
Planned	12/17/21	3	255	85.0
Planned	12/17/21	2	344	172.0
Planned	12/17/21	2	58	29.0
Planned	12/17/21	3	153	51.0
Planned	12/17/21	2	138	69.0
Planned	12/17/21	4	268	67.0
Planned	12/18/21	4	288	72.0
Planned	12/18/21	5	525	105.0
Planned	12/18/21	2	318	159.0
Planned	12/18/21	4	196	49.0
Planned	12/18/21	4	428	107.0
Planned	12/18/21	4	220	55.0
Planned	12/19/21	2	230	115.0
Planned	12/19/21	4	304	76.0
Planned	12/19/21	2	126	63.0
Planned	12/19/21	1	50	50.0
Planned	12/19/21	2	116	58.0
Planned	12/19/21	3	33	11.0
Planned	12/20/21	2	220	110.0
Planned	12/20/21	4	84	21.0
Planned	12/20/21	3	90	30.0
Planned	12/20/21	4	404	101.0
Planned	12/20/21	3	192	64.0
Planned	12/20/21	4	132	33.0
Planned	12/20/21	3	285	95.0
Planned	12/20/21	3	153	51.0
Planned	12/20/21	3	156	52.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	12/21/21	3	396	132.0
Planned	12/21/21	5	435	87.0
Planned	12/21/21	3	171	57.0
Planned	12/21/21	3	120	40.0
Planned	12/21/21	3	51	17.0
Planned	12/21/21	4	68	17.0
Planned	12/21/21	1	20	20.0
Planned	12/21/21	3	138	46.0
Planned	12/21/21	2	130	65.0
Planned	12/21/21	5	245	49.0
Planned	12/21/21	4	112	28.0
Planned	12/21/21	2	64	32.0
Planned	12/22/21	3	390	130.0
Planned	12/22/21	5	440	88.0
Planned	12/22/21	2	184	92.0
Planned	12/22/21	2	44	22.0
Planned	12/22/21	2	82	41.0
Planned	12/23/21	3	93	31.0
Planned	12/27/21	4	380	95.0
Planned	12/27/21	2	110	55.0
Planned	12/27/21	2	214	107.0
Planned	12/27/21	4	172	43.0
Planned	12/27/21	4	264	66.0
Planned	12/27/21	3	468	156.0
Planned	12/27/21	3	57	19.0
Planned	12/28/21	2	370	185.0
Planned	12/28/21	2	48	24.0
Planned	12/28/21	3	129	43.0
Planned	12/28/21	3	189	63.0
Planned	12/28/21	2	212	106.0
Planned	12/28/21	25	3,500	140.0
Planned	12/28/21	3	576	192.0
Planned	12/28/21	6	270	45.0
Planned	12/29/21	4	120	30.0
Planned	12/29/21	3	102	34.0
Planned	12/29/21	46	1,012	22.0
Planned	12/30/21	2	294	147.0
Planned	12/30/21	5	200	40.0
Planned	12/31/21	5	85	17.0

<b>Q13 - Distribution Excluded Outage Events</b>				
<b>Causation</b>	<b>Date</b>	<b>CI</b>	<b>CMI</b>	<b>L-Bar</b>
Planned	12/31/21	6	126	21.0

### Feeder Specific Data and Attached Laterals

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY -pk Prior	Peak Load (MVA)	Number of N on FDR
900514	PN	Hybrid	1	0	49	7	4.8	2.2	3.4	6.7	8.2	8.9	17.1	0	0	Yes	0.1	4.4	0
900804	PN	Hybrid	4	2	4	0	0.9	0.0	0.2	1.3	1.1	1.3	2.4	0	0	Yes	-0.2	0.4	0
902222	PC	Hybrid	53	0	2	0	0.1	0.1	0.0	1.2	0.1	1.3	1.4	0	0	Yes	0.0	0.0	0
902613	FW	OH	18	1	0	0	0.1	0.0	2.4	0.0	2.5	0.0	2.5	0	0	Yes	0.0	0.0	0
902619	FW	OH	72	12	0	0	0.0	0.0	5.1	0.0	5.1	0.0	5.1	0	0	Yes	0.0	0.0	0
905202	PN	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
905212	PN	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
905222	PN	UG	0	0	1	0	0.0	1.0	0.0	0.0	0.0	1.0	1.0	0	0	Yes	0.0	0.0	0
905232	PN	UG	0	0	0	0	0.0	1.0	0.0	0.0	0.0	1.0	1.0	0	0	Yes	0.0	0.0	0
905242	PN	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
905262	PN	Hybrid	0	0	1	0	0.1	1.0	0.0	0.0	0.1	1.0	1.1	0	0	Yes	0.0	0.0	0
905332	PN	Hybrid	2,052	33	27	13	5.5	0.0	12.9	11.6	18.4	11.6	30.0	0	0	Yes	0.0	10.2	0
905342	PN	Hybrid	1,031	17	12	4	1.9	0.1	3.6	5.0	5.5	5.1	10.6	0	0	Yes	-0.3	6.6	0
905352	PN	Hybrid	250	15	17	8	2.9	0.0	5.9	2.6	8.8	2.6	11.4	0	0	Yes	-0.4	10.6	0
905362	PN	OH	1	0	0	0	3.0	0.0	0.0	0.0	3.0	0.0	3.0	0	0	Yes	0.0	1.7	0
905372	PN	OH	0	0	0	0	3.0	0.0	0.0	0.0	3.0	0.0	3.0	0	0	Yes	-0.1	1.6	0
905382	PN	Hybrid	2,179	137	15	22	24.9	0.0	111.4	10.7	136.3	10.7	147.0	0	0	Yes	0.0	9.1	0
905392	PN	Hybrid	1,020	91	9	16	10.1	0.0	53.4	4.8	63.5	4.8	68.3	1,193	190,494	Yes	0.0	4.3	0
905412	PN	OH	2	1	0	0	0.6	0.0	0.4	0.0	1.0	0.0	1.0	0	0	Yes	-0.4	6.5	0
905454	PC	UG	1	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	19.0	19.0	0
905502	PN	Hybrid	707	35	7	9	3.3	0.0	14.3	4.8	17.6	4.8	22.4	0	0	Yes	0.1	3.1	0
905512	PN	Hybrid	2,172	84	26	8	7.5	0.0	29.0	18.1	36.5	18.1	54.6	0	0	Yes	0.8	8.9	0
905522	PN	Hybrid	1,475	47	15	7	8.5	0.2	19.4	13.8	27.9	14.0	41.9	0	0	Yes	0.7	5.2	0

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY -pk Prior	Peak Load (MVA)	Number of N on FDR
905542	PN	Hybrid	2,477	28	15	6	5.1	0.0	19.9	13.7	25.0	13.7	38.7	0	0	Yes	-0.2	10.0	0
905562	PN	Hybrid	2,216	36	5	7	4.4	0.0	21.1	5.9	25.5	5.9	31.4	0	0	Yes	-0.2	7.7	0
905572	PN	Hybrid	1,397	16	3	6	2.8	0.0	10.5	5.0	13.3	5.0	18.3	0	0	Yes	-0.2	6.1	0
905582	PN	Hybrid	1,855	45	9	5	5.2	0.0	13.0	8.6	18.2	8.6	26.8	0	0	Yes	-0.3	8.2	0
905592	PN	Hybrid	1,597	15	15	4	3.1	1.3	4.3	7.3	7.4	8.6	16.0	0	0	Yes	-0.3	7.6	0
905602	PN	Hybrid	2,390	70	11	19	12.7	0.1	68.2	12.8	80.9	12.9	93.8	2,243	4,486	Yes	0.5	15.2	0
905612	PN	Hybrid	2,936	75	6	16	18.5	0.2	124.0	8.8	142.5	9.0	151.5	0	0	Yes	-0.1	13.3	0
905632	PN	Hybrid	1,397	10	15	6	5.6	2.6	1.4	6.7	7.0	9.3	16.3	0	0	Yes	-0.2	5.4	0
905642	PN	Hybrid	2,592	58	9	4	5.1	0.0	23.2	9.1	28.3	9.1	37.4	0	0	Yes	-0.2	10.7	0
905652	FW	Hybrid	1,550	43	13	4	5.3	0.0	13.6	5.1	18.9	5.1	24.0	0	0	Yes	-0.2	8.8	0
905662	FW	Hybrid	3,322	57	20	12	5.0	0.0	14.5	8.3	19.5	8.3	27.8	0	0	Yes	-2.6	8.6	0
905682	FW	Hybrid	1,108	22	14	11	3.9	0.0	6.0	2.3	9.9	2.3	12.2	0	0	Yes	2.9	12.1	0
905752	PN	Hybrid	2,814	40	13	7	5.0	0.0	26.0	19.8	31.0	19.8	50.8	0	0	Yes	-0.1	13.0	0
905762	PN	Hybrid	3,535	67	18	6	9.3	0.0	27.8	23.6	37.1	23.6	60.7	0	0	Yes	0.0	13.5	0
905772	PN	Hybrid	333	10	3	3	1.8	0.0	3.8	2.6	5.6	2.6	8.2	0	0	Yes	-0.1	2.5	0
905782	PN	Hybrid	3,150	68	2	12	7.0	0.0	62.5	20.9	69.5	20.9	90.4	1,259	96,822	Yes	0.3	12.7	0
905792	PN	Hybrid	3,316	144	26	20	23.4	0.0	80.0	14.6	103.4	14.6	118.0	0	0	Yes	-0.2	12.5	0
905822	PN	Hybrid	2,574	53	20	13	5.9	0.1	22.5	11.6	28.4	11.7	40.1	0	0	Yes	-0.1	12.2	0
905832	PN	Hybrid	3,170	76	11	11	12.6	0.2	52.4	3.7	65.0	3.9	68.9	0	0	Yes	0.2	13.2	0
905842	PN	Hybrid	2,390	47	7	4	5.6	0.0	21.1	8.5	26.7	8.5	35.2	0	0	Yes	0.7	8.8	0
905852	PN	OH	802	26	6	5	7.9	0.0	20.7	1.3	28.6	1.3	29.9	0	0	Yes	-0.3	4.6	0
905862	PN	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
905872	PN	Hybrid	1,714	10	11	10	3.0	0.0	11.9	14.4	14.9	14.4	29.3	0	0	Yes	-0.2	8.2	0
905882	FW	Hybrid	2,703	46	13	10	3.5	0.0	19.6	4.7	23.1	4.7	27.8	0	0	Yes	-0.6	9.4	0
905892	FW	Hybrid	3,698	50	31	15	7.1	0.0	26.6	17.9	33.7	17.9	51.6	0	0	Yes	-0.8	14.4	0

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY -pk Prior	Peak Load (MVA)	Number of N on FDR
905902	PN	Hybrid	858	15	3	1	2.4	2.6	5.7	0.3	8.1	2.9	11.0	0	0	Yes	0.0	7.4	0
905912	PN	Hybrid	970	7	20	12	3.5	2.2	1.5	4.5	5.0	6.7	11.7	0	0	Yes	0.2	7.7	0
905922	PN	Hybrid	2,758	22	17	9	4.5	0.0	8.4	23.2	12.9	23.2	36.1	2,254	98,315	Yes	-0.5	14.3	0
905932	PN	Hybrid	2,043	33	20	8	3.7	0.0	10.0	12.5	13.7	12.5	26.2	990	55,440	Yes	0.0	8.8	0
905942	PN	Hybrid	1,457	3	15	2	1.9	5.3	0.9	5.0	2.8	10.3	13.1	0	0	Yes	-0.3	6.1	0
905952	PN	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
905972	PN	Hybrid	1,127	25	9	6	3.8	0.1	6.8	4.8	10.6	4.9	15.5	0	0	Yes	0.0	5.0	0
905982	PN	Hybrid	2,384	21	33	9	6.0	0.3	10.0	12.1	16.0	12.4	28.4	0	0	Yes	-0.3	8.9	0
905992	PN	Hybrid	1,640	21	23	2	4.9	0.1	5.7	10.2	10.6	10.3	20.9	0	0	Yes	-0.3	6.8	0
906022	PN	Hybrid	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
906032	PN	Hybrid	1,065	18	6	8	4.8	0.0	4.7	4.1	9.5	4.1	13.6	0	0	Yes	0.0	7.2	0
906042	PN	OH	1,751	30	1	2	4.6	0.0	14.3	0.4	18.9	0.4	19.3	0	0	Yes	-0.1	5.9	0
906052	PN	Hybrid	2,775	47	9	10	6.8	0.0	26.8	12.5	33.6	12.5	46.1	0	0	Yes	-0.6	11.0	0
906062	PN	OH	1,625	50	2	5	5.2	0.0	17.6	0.3	22.8	0.3	23.1	0	0	Yes	2.6	9.1	0
906072	PN	Hybrid	3,112	49	26	17	10.8	0.2	19.1	22.8	29.9	23.0	52.9	0	0	Yes	-0.3	14.3	0
906082	PN	Hybrid	2,646	64	15	5	10.4	0.0	21.8	12.3	32.2	12.3	44.5	0	0	Yes	-0.5	9.3	0
906092	PN	Hybrid	1,953	18	8	5	5.2	0.0	12.4	8.1	17.6	8.1	25.7	0	0	Yes	0.3	9.1	0
906212	PN	Hybrid	2,749	46	14	14	6.2	7.5	26.5	20.7	32.7	28.2	60.9	0	0	Yes	-0.7	13.6	0
906222	PN	Hybrid	1,634	34	13	9	4.5	0.0	16.4	12.3	20.9	12.3	33.2	0	0	Yes	-0.4	6.9	0
906402	PN	Hybrid	1,883	77	11	7	7.2	0.0	9.8	16.8	17.0	16.8	33.8	0	0	Yes	0.0	8.0	0
906412	FW	Hybrid	911	48	5	4	6.0	0.0	24.3	4.7	30.3	4.7	35.0	0	0	Yes	0.2	4.2	0
906432	FW	Hybrid	209	18	1	4	2.4	0.0	5.6	0.6	8.0	0.6	8.6	0	0	Yes	0.0	1.9	0
906452	FW	OH	96	28	2	3	3.4	0.0	6.3	0.5	9.7	0.5	10.2	0	0	Yes	0.0	0.8	0
906482	PN	Hybrid	2,026	10	22	4	4.8	0.1	8.2	8.6	13.0	8.7	21.7	2,045	79,755	Yes	0.1	6.6	0
906508	PN	Hybrid	41	7	7	1	1.6	0.1	0.4	0.5	2.0	0.6	2.6	0	0	Yes	-0.4	8.1	0

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY -pk Prior	Peak Load (MVA)	Number of N on FDR
906522	PN	Hybrid	2,140	31	8	10	4.9	0.0	15.0	3.8	19.9	3.8	23.7	0	0	Yes	0.0	8.0	0
906532	PN	OH	2,318	45	0	11	6.5	0.0	17.6	0.8	24.1	0.8	24.9	0	0	Yes	0.3	7.9	0
906542	PN	Hybrid	1,558	29	7	4	4.8	0.1	11.4	1.1	16.2	1.2	17.4	0	0	Yes	0.0	6.2	0
906572	PN	OH	1,737	42	2	11	5.3	0.0	16.9	0.8	22.2	0.8	23.0	0	0	Yes	0.0	7.6	0
906582	PN	OH	1,524	42	0	5	3.6	0.0	16.5	0.3	20.1	0.3	20.4	1,541	57,629	Yes	0.0	5.7	0
906592	PN	Hybrid	346	7	7	2	3.3	0.0	2.2	0.8	5.5	0.8	6.3	0	0	Yes	0.1	7.2	0
906602	PN	OH	545	16	2	2	1.6	0.0	6.0	0.1	7.6	0.1	7.7	0	0	Yes	0.0	1.8	0
906612	PN	OH	1,251	42	2	2	5.4	0.1	10.1	0.1	15.5	0.2	15.7	0	0	Yes	0.0	5.3	0
906622	PN	OH	840	19	2	2	2.9	0.1	6.1	0.1	9.0	0.2	9.2	0	0	Yes	-0.1	3.4	0
906632	PN	Hybrid	653	34	1	2	3.5	0.3	6.5	0.6	10.0	0.9	10.9	0	0	Yes	-0.4	8.2	0
906642	PN	OH	794	47	8	4	4.2	0.0	9.3	0.6	13.5	0.6	14.1	0	0	Yes	-0.1	7.3	0
906652	PN	OH	2,557	64	4	6	5.7	0.0	22.4	1.0	28.1	1.0	29.1	0	0	Yes	0.2	10.2	0
906662	PN	Hybrid	1,477	47	13	8	6.9	0.0	14.5	4.0	21.4	4.0	25.4	0	0	Yes	0.3	7.6	0
906678	PN	Hybrid	2,325	26	15	3	3.7	0.4	15.7	4.9	19.4	5.3	24.7	2,240	190,998	Yes	-0.6	7.8	0
906682	PN	Hybrid	1,167	29	4	7	5.9	0.0	9.4	2.3	15.3	2.3	17.6	0	0	Yes	-0.3	5.3	0
906692	PN	Hybrid	1,437	27	3	5	3.2	0.0	10.3	2.8	13.5	2.8	16.3	0	0	Yes	0.4	5.3	0
906706	PN	OH	734	25	2	2	2.3	0.0	12.7	0.1	15.0	0.1	15.1	0	0	Yes	-0.1	3.9	0
906716	PN	Hybrid	953	31	6	6	6.2	0.0	10.4	1.1	16.6	1.1	17.7	0	0	Yes	0.2	5.2	0
906722	PN	Hybrid	2	0	0	0	1.1	0.4	0.0	0.0	1.1	0.4	1.5	0	0	Yes	0.8	6.0	0
906732	PN	Hybrid	1	0	0	0	0.6	0.4	0.0	0.0	0.6	0.4	1.0	0	0	Yes	0.2	5.5	0
906742	PN	Hybrid	1,888	18	5	3	3.6	0.1	10.2	7.0	13.8	7.1	20.9	0	0	Yes	-0.2	6.6	0
906774	PN	Hybrid	822	27	19	14	6.4	0.0	12.5	2.4	18.9	2.4	21.3	0	0	Yes	-0.1	7.3	0
906782	PN	Hybrid	1,796	54	10	8	10.1	0.0	22.0	7.2	32.1	7.2	39.3	0	0	Yes	-0.3	8.5	0
906792	PN	Hybrid	2,436	50	13	20	5.5	0.0	30.9	12.9	36.4	12.9	49.3	0	0	Yes	-0.1	11.7	0
906813	PN	UG	0	0	0	0	0.0	0.7	0.0	0.0	0.0	0.7	0.7	0	0	Yes	0.0	0.0	0



A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY -pk Prior	Peak Load (MVA)	Number of N on FDR
906835	PN	UG	0	0	0	0	0.0	0.5	0.0	0.0	0.0	0.5	0.5	0	0	Yes	0.0	0.0	0
906887	PN	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
906912	PN	Hybrid	1,986	56	23	9	7.1	0.0	27.7	12.8	34.8	12.8	47.6	0	0	Yes	0.1	8.0	0
906922	PN	Hybrid	1,440	54	3	6	7.2	0.0	40.3	5.1	47.5	5.1	52.6	0	0	Yes	0.0	5.6	0
906932	PN	Hybrid	1,594	50	16	7	8.8	0.0	18.1	10.9	26.9	10.9	37.8	1,602	101,856	Yes	-0.2	7.0	0
906942	PN	Hybrid	1,867	66	5	11	10.1	0.0	46.8	4.6	56.9	4.6	61.5	0	0	Yes	0.1	7.4	0
906966	PN	OH	2	0	1	0	0.0	0.0	0.4	0.0	0.4	0.0	0.4	0	0	Yes	0.0	0.0	0
906982	PN	OH	13	4	0	0	0.6	0.0	9.9	0.0	10.5	0.0	10.5	0	0	Yes	0.2	0.5	0
906992	PN	Hybrid	2,381	52	27	6	9.2	0.0	15.0	20.3	24.2	20.3	44.5	0	0	Yes	-0.9	11.1	0
907012	PN	Hybrid	2,483	60	7	8	7.4	0.0	31.4	4.8	38.8	4.8	43.6	1,790	5,370	Yes	-0.2	11.5	0
907022	PN	Hybrid	1,413	24	9	7	3.9	0.0	11.5	9.6	15.4	9.6	25.0	0	0	Yes	-0.1	7.8	0
907032	PN	Hybrid	763	15	5	8	1.5	0.0	7.0	3.8	8.5	3.8	12.3	0	0	Yes	-0.2	3.2	0
907042	PN	Hybrid	2,075	35	5	11	6.0	0.0	18.8	16.1	24.8	16.1	40.9	0	0	Yes	0.2	8.6	0
907112	PN	Hybrid	2,013	38	9	15	3.7	0.1	16.1	9.3	19.8	9.4	29.2	0	0	Yes	0.2	8.6	0
907122	PN	Hybrid	837	20	9	2	2.2	0.0	12.8	3.2	15.0	3.2	18.2	0	0	Yes	-0.3	4.4	0
907132	PN	Hybrid	1,680	48	10	8	4.8	0.0	18.4	9.3	23.2	9.3	32.5	0	0	Yes	-0.4	7.0	0
907157	PN	Hybrid	1	0	1	0	0.5	0.0	0.0	0.1	0.5	0.1	0.6	0	0	Yes	-0.5	1.5	0
907172	PN	Hybrid	1,761	38	9	7	6.9	0.1	14.4	10.0	21.3	10.1	31.4	1,603	6,412	Yes	0.2	7.7	0
907232	PN	Hybrid	2,730	85	15	23	8.9	0.0	46.2	13.9	55.1	13.9	69.0	0	0	Yes	-0.1	10.7	0
907252	PN	Hybrid	2,642	34	15	12	7.5	3.6	34.6	12.2	42.1	15.8	57.9	0	0	Yes	-0.5	12.7	0
907262	PN	Hybrid	3,320	85	13	12	10.9	0.0	60.3	8.3	71.2	8.3	79.5	0	0	Yes	0.2	11.9	0
907272	PN	Hybrid	2,564	97	6	18	15.2	0.3	57.6	3.6	72.8	3.9	76.7	0	0	Yes	0.1	11.1	0
907282	PN	Hybrid	2,148	60	17	10	7.0	0.0	21.6	8.0	28.6	8.0	36.6	0	0	Yes	0.4	9.8	0
907292	PN	Hybrid	1,998	46	8	10	5.8	0.0	26.2	4.3	32.0	4.3	36.3	0	0	Yes	-0.1	9.8	0
907302	PN	Hybrid	7	0	0	0	0.1	0.8	0.0	0.0	0.1	0.8	0.9	0	0	Yes	-0.1	0.4	0

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY -pk Prior	Peak Load (MVA)	Number of N on FDR
907332	PN	Hybrid	1,625	11	9	7	3.3	0.4	15.2	18.5	18.5	18.9	37.4	0	0	Yes	-0.3	7.0	0
907342	PN	Hybrid	3,775	96	78	13	13.1	0.5	12.3	17.3	25.4	17.8	43.2	3,806	12,930	Yes	-1.2	13.9	0
907352	PN	Hybrid	2,353	16	15	6	3.1	0.0	11.3	7.0	14.4	7.0	21.4	2,314	142,213	Yes	-0.1	7.5	0
907362	PN	Hybrid	2,138	16	31	4	4.5	0.2	3.3	7.5	7.8	7.7	15.5	2,107	124,014	Yes	-0.3	8.4	0
907372	PN	Hybrid	2,967	43	25	9	5.2	0.0	10.0	28.0	15.2	28.0	43.2	0	0	Yes	-0.4	11.3	0
907462	PN	Hybrid	944	17	1	4	2.0	6.7	5.6	0.5	7.6	7.2	14.8	0	0	Yes	-0.1	6.9	0
907492	PN	OH	866	39	2	6	4.8	0.0	26.1	1.2	30.9	1.2	32.1	0	0	Yes	-0.2	4.1	0
907512	PN	Hybrid	1,768	25	8	10	3.3	0.0	13.5	4.3	16.8	4.3	21.1	0	0	Yes	0.0	9.2	0
907522	PN	Hybrid	1,423	16	28	8	4.2	0.0	8.4	8.7	12.6	8.7	21.3	0	0	Yes	0.6	11.7	0
907532	PN	Hybrid	1,313	5	6	0	1.7	19.7	1.3	1.3	3.0	21.0	24.0	0	0	Yes	-1.7	6.1	0
907542	PN	Hybrid	381	0	1	0	0.8	9.1	0.0	0.8	0.8	9.9	10.7	0	0	Yes	-0.2	3.7	0
907582	PN	Hybrid	2,804	74	6	14	7.5	0.0	33.1	5.0	40.6	5.0	45.6	2,806	8,418	Yes	0.6	11.7	0
907592	PN	Hybrid	887	13	7	2	2.6	0.0	3.8	5.9	6.4	5.9	12.3	895	1,790	Yes	-0.1	3.7	0
907602	PN	Hybrid	621	12	16	11	2.5	0.1	3.4	3.1	5.9	3.2	9.1	0	0	Yes	0.4	6.0	0
907612	PN	Hybrid	1,938	37	21	16	4.7	0.0	11.7	5.2	16.4	5.2	21.6	0	0	Yes	0.1	11.0	0
907622	PN	Hybrid	1,295	29	4	4	2.9	0.0	8.8	2.0	11.7	2.0	13.7	0	0	Yes	0.0	6.0	0
907632	PN	Hybrid	1,570	40	3	4	3.3	0.0	11.3	4.8	14.6	4.8	19.4	0	0	Yes	-0.2	6.3	0
907642	PN	Hybrid	1,475	26	13	3	3.9	0.0	8.1	3.5	12.0	3.5	15.5	0	0	Yes	-0.1	5.7	0
907652	PN	Hybrid	417	3	20	2	3.2	0.3	0.6	6.0	3.8	6.3	10.1	0	0	Yes	4.0	10.5	0
907662	PN	Hybrid	1,837	23	19	8	5.3	0.6	15.2	6.4	20.5	7.0	27.5	613	89,643	Yes	2.6	12.0	0
907682	PN	Hybrid	2,068	29	24	9	6.0	0.4	8.6	8.6	14.6	9.0	23.6	0	0	Yes	-0.2	7.6	0
907692	PN	Hybrid	114	2	1	1	1.6	0.0	1.5	0.5	3.1	0.5	3.6	0	0	Yes	-0.1	1.2	0
907702	PN	Hybrid	1,534	25	2	5	3.8	0.0	9.2	6.2	13.0	6.2	19.2	0	0	Yes	0.0	6.9	0
907712	PN	Hybrid	929	24	5	2	3.5	0.0	7.4	1.3	10.9	1.3	12.2	0	0	Yes	-0.1	3.2	0
907722	PN	OH	1,036	27	0	1	3.2	0.0	12.0	0.7	15.2	0.7	15.9	0	0	Yes	-0.1	3.8	0

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY -pk Prior	Peak Load (MVA)	Number of N on FDR
907732	PN	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
907742	PN	Hybrid	2,091	42	4	5	5.5	0.0	16.4	1.8	21.9	1.8	23.7	0	0	Yes	0.2	7.4	0
907752	PN	Hybrid	2,108	44	22	8	6.5	0.0	15.2	5.5	21.7	5.5	27.2	0	0	Yes	-0.5	7.8	0
907762	PN	OH	1,391	24	3	2	2.8	0.0	11.4	0.4	14.2	0.4	14.6	0	0	Yes	0.0	5.0	0
907772	PN	Hybrid	584	18	6	3	2.6	0.0	5.6	1.3	8.2	1.3	9.5	0	0	Yes	-0.4	4.8	0
907782	PN	Hybrid	1,121	51	1	8	5.5	0.0	10.2	1.1	15.7	1.1	16.8	0	0	Yes	0.0	7.8	0
907792	PN	Hybrid	2,174	62	9	8	5.1	0.0	17.5	9.0	22.6	9.0	31.6	2,856	5,712	Yes	0.9	10.1	0
907802	PN	Hybrid	1,390	11	21	5	4.5	0.0	2.7	6.0	7.2	6.0	13.2	0	0	Yes	2.2	12.6	0
907822	PN	Hybrid	1,893	14	21	3	2.9	0.0	6.3	7.6	9.2	7.6	16.8	0	0	Yes	-0.1	7.5	0
907832	PN	Hybrid	2,893	78	13	5	8.5	0.0	22.8	8.8	31.3	8.8	40.1	0	0	Yes	0.3	10.4	0
907842	PN	Hybrid	3,598	95	25	15	10.5	0.0	24.8	14.2	35.3	14.2	49.5	0	0	Yes	0.4	14.8	0
907872	PN	Hybrid	429	14	8	5	2.6	0.2	5.4	1.2	8.0	1.4	9.4	0	0	Yes	-0.8	9.7	0
907882	PN	Hybrid	893	26	24	11	4.2	0.0	7.9	4.2	12.1	4.2	16.3	0	0	Yes	-0.2	10.9	0
907892	PN	Hybrid	93	0	2	0	0.6	0.1	0.0	0.9	0.6	1.0	1.6	0	0	Yes	-0.6	10.2	0
907902	FW	Hybrid	2,085	105	24	14	16.4	0.0	31.7	5.9	48.1	5.9	54.0	2,083	56,241	Yes	0.9	12.8	0
907912	FW	OH	1,665	70	4	10	10.6	0.0	50.7	2.0	61.3	2.0	63.3	0	0	Yes	0.1	6.3	0
907922	PN	Hybrid	2,158	38	11	8	4.3	0.6	10.9	13.7	15.2	14.3	29.5	0	0	Yes	0.1	9.2	0
907932	PN	Hybrid	2,057	33	31	13	5.1	0.0	10.5	8.7	15.6	8.7	24.3	0	0	Yes	0.2	11.2	0
907942	PN	Hybrid	498	20	2	3	2.8	0.0	4.4	0.4	7.2	0.4	7.6	0	0	Yes	-5.5	2.7	0
907962	FW	OH	499	27	1	2	3.7	0.0	27.3	0.5	31.0	0.5	31.5	502	38,463	Yes	0.1	2.1	0
907992	PC	Hybrid	2,624	52	13	13	16.8	0.0	25.6	19.4	42.4	19.4	61.8	4,677	347,375	Yes	0.0	12.8	0
908012	PC	Hybrid	27	2	4	1	1.1	0.2	0.4	0.5	1.5	0.7	2.2	0	0	Yes	0.6	1.8	0
908032	PC	Hybrid	397	26	11	3	13.1	0.0	12.1	13.2	25.2	13.2	38.4	0	0	Yes	0.0	1.1	0
908052	PC	UG	1	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
908062	PC	Hybrid	498	23	8	4	9.0	0.0	22.6	3.6	31.6	3.6	35.2	0	0	Yes	-0.1	3.9	0

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY -pk Prior)	Peak Load (MVA)	Number of N on FDR
908112	PC	Hybrid	3,636	32	26	5	3.4	0.8	8.9	2.5	12.3	3.3	15.6	0	0	Yes	-0.2	12.4	0
908122	PC	Hybrid	1,637	21	44	8	5.3	4.4	4.0	15.0	9.3	19.4	28.7	0	0	Yes	0.1	13.2	0
908132	PC	Hybrid	2,976	6	23	9	4.3	3.3	6.5	27.4	10.8	30.7	41.5	0	0	Yes	0.5	12.9	0
908142	PC	Hybrid	1,678	0	8	1	1.2	13.4	3.9	5.8	5.1	19.2	24.3	0	0	Yes	0.5	7.3	0
908162	FW	Hybrid	2,773	23	36	16	5.2	0.2	9.5	26.7	14.7	26.9	41.6	5,548	22,192	Yes	0.8	15.0	0
908172	FW	Hybrid	1,958	0	10	2	0.9	11.6	0.2	5.5	1.1	17.1	18.2	0	0	Yes	0.4	12.3	0
908182	FW	Hybrid	1,013	0	9	0	1.2	2.3	0.0	2.1	1.2	4.4	5.6	0	0	Yes	0.2	7.1	0
908202	PC	Hybrid	2,505	49	11	10	6.2	0.0	18.3	11.0	24.5	11.0	35.5	2,292	13,752	Yes	-0.2	9.8	0
908222	PC	Hybrid	387	5	8	1	1.8	20.3	2.4	2.4	4.2	22.7	26.9	0	0	Yes	-0.3	2.5	0
908232	PC	UG	1	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	2.1	0
908252	PC	UG	1	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.1	1.6	0
908262	PC	OH	1	0	0	0	3.0	0.0	0.0	0.0	3.0	0.0	3.0	0	0	Yes	0.9	7.0	0
908282	PC	Hybrid	2,929	47	16	11	5.4	0.0	20.4	8.8	25.8	8.8	34.6	0	0	Yes	-0.1	8.9	0
908332	PC	Hybrid	3,257	39	24	15	10.3	0.0	30.5	22.9	40.8	22.9	63.7	0	0	Yes	-0.6	10.7	0
908342	PC	Hybrid	2,302	50	13	15	8.3	0.0	20.1	2.9	28.4	2.9	31.3	0	0	Yes	-0.7	8.9	0
908352	PC	Hybrid	3,020	33	18	9	2.8	0.0	10.5	3.7	13.3	3.7	17.0	0	0	Yes	-0.1	11.9	0
908362	PC	Hybrid	3,321	27	30	11	8.8	0.0	9.8	13.1	18.6	13.1	31.7	74	11,396	Yes	0.3	12.2	0
908372	PC	Hybrid	1,219	3	22	5	0.9	0.0	1.5	10.2	2.4	10.2	12.6	0	0	Yes	1.2	14.0	0
908382	PC	Hybrid	107	0	5	1	0.6	0.1	0.4	1.1	1.0	1.2	2.2	0	0	Yes	-2.8	6.2	0
908392	PC	Hybrid	1,580	38	14	5	5.2	0.1	10.3	2.4	15.5	2.5	18.0	1,446	2,892	Yes	0.2	8.1	0
908412	PC	Hybrid	1,499	41	16	15	6.9	0.0	10.8	1.8	17.7	1.8	19.5	0	0	Yes	0.3	9.6	0
908422	PC	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
908432	PC	Hybrid	1,566	46	5	8	4.1	0.0	10.5	1.1	14.6	1.1	15.7	0	0	Yes	0.1	5.9	0
908442	PC	Hybrid	1,097	46	8	5	5.7	0.0	5.9	0.8	11.6	0.8	12.4	0	0	Yes	-0.1	5.2	0
908452	PC	Hybrid	969	20	23	12	3.1	0.0	5.2	8.0	8.3	8.0	16.3	951	2,853	Yes	0.1	12.5	0

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY -pk Prior	Peak Load (MVA)	Number of N on FDR
908472	PC	Hybrid	2,605	73	13	15	9.0	0.7	15.5	2.3	24.5	3.0	27.5	0	0	Yes	-0.1	9.4	0
908482	PC	Hybrid	632	36	16	6	9.6	0.1	4.3	1.5	13.9	1.6	15.5	0	0	Yes	0.4	9.3	0
908492	PC	Hybrid	378	13	4	4	1.8	0.0	3.0	1.2	4.8	1.2	6.0	0	0	Yes	0.0	2.2	0
908512	PC	Hybrid	1,437	2	11	1	1.4	3.8	0.5	11.2	1.9	15.0	16.9	0	0	Yes	0.1	7.4	0
908522	PC	Hybrid	3,467	16	36	17	6.3	1.4	7.8	20.6	14.1	22.0	36.1	2,949	342,084	Yes	0.9	16.7	0
908532	PC	Hybrid	2,182	19	16	5	2.8	1.5	3.7	2.3	6.5	3.8	10.3	0	0	Yes	0.3	12.5	0
908542	PC	Hybrid	3,515	5	0	1	0.2	5.6	0.6	0.0	0.8	5.6	6.4	0	0	Yes	0.2	6.6	0
908552	PC	Hybrid	2,455	22	12	7	3.4	0.5	8.8	7.6	12.2	8.1	20.3	0	0	Yes	-2.6	9.7	0
908562	PC	Hybrid	2,244	24	21	6	3.9	3.8	3.8	4.4	7.7	8.2	15.9	0	0	Yes	3.0	16.1	0
908572	PC	Hybrid	2,442	68	25	11	9.6	0.0	17.7	5.5	27.3	5.5	32.8	0	0	Yes	-0.9	10.4	0
908582	PC	Hybrid	2,877	17	20	5	3.8	0.6	6.9	7.8	10.7	8.4	19.1	0	0	Yes	-1.2	12.7	0
908592	PC	Hybrid	10	2	1	2	1.0	0.0	0.7	0.3	1.7	0.3	2.0	7	268	Yes	-0.1	4.5	0
908602	PC	Hybrid	3,029	64	24	14	8.0	0.1	16.8	22.7	24.8	22.8	47.6	0	0	Yes	-0.7	11.8	0
908612	PC	Hybrid	1,261	36	20	3	6.9	0.0	10.3	8.4	17.2	8.4	25.6	0	0	Yes	-0.6	5.9	0
908622	PC	Hybrid	1,223	35	28	10	7.8	0.0	10.5	8.9	18.3	8.9	27.2	0	0	Yes	-0.3	8.9	0
908642	PC	Hybrid	2,728	31	28	13	4.1	0.0	7.3	10.1	11.4	10.1	21.5	0	0	Yes	-0.1	10.6	0
908672	PC	Hybrid	2,278	16	35	7	5.2	0.0	4.1	23.8	9.3	23.8	33.1	1,972	3,944	Yes	-0.2	12.0	0
908682	PC	Hybrid	3,342	30	24	11	4.7	0.0	8.4	9.5	13.1	9.5	22.6	0	0	Yes	-0.2	12.7	0
908702	PC	OH	1,768	53	12	5	6.2	0.0	14.9	1.1	21.1	1.1	22.2	0	0	Yes	-0.4	6.0	0
908712	PC	Hybrid	1,218	59	5	10	6.4	1.9	12.0	1.3	18.4	3.2	21.6	0	0	Yes	0.0	8.8	0
908722	PC	Hybrid	2,078	75	9	8	7.3	0.0	20.8	2.3	28.1	2.3	30.4	0	0	Yes	-0.2	9.5	0
908732	PC	Hybrid	2,233	61	9	7	8.5	0.1	13.1	1.4	21.6	1.5	23.1	0	0	Yes	-0.1	7.8	0
908782	PC	Hybrid	405	16	29	7	4.0	0.1	5.2	3.0	9.2	3.1	12.3	0	0	Yes	-0.3	6.3	0
908792	PC	Hybrid	2,661	110	15	12	9.6	0.0	32.9	4.8	42.5	4.8	47.3	4,041	397,741	Yes	-2.1	9.9	0
908802	PC	Hybrid	2,597	52	27	8	7.8	0.0	16.0	13.8	23.8	13.8	37.6	2,464	165,278	Yes	-0.4	11.1	0

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY -pk Prior	Peak Load (MVA)	Number of N on FDR
908812	PC	Hybrid	3,174	16	27	15	4.7	0.0	15.8	12.2	20.5	12.2	32.7	0	0	Yes	0.0	13.0	0
908822	PC	Hybrid	3,213	37	17	21	6.6	0.0	19.0	9.3	25.6	9.3	34.9	0	0	Yes	0.0	10.5	0
908842	FW	Hybrid	1,872	1	18	5	1.5	0.0	1.6	16.9	3.1	16.9	20.0	0	0	Yes	0.1	11.7	0
908852	PC	Hybrid	1,545	45	3	8	6.7	0.0	15.7	1.2	22.4	1.2	23.6	0	0	Yes	0.1	6.6	0
908872	FW	Hybrid	983	3	18	7	2.7	0.0	4.8	7.0	7.5	7.0	14.5	0	0	Yes	0.0	8.9	0
908882	FW	Hybrid	2,580	12	16	11	2.1	3.3	2.2	5.3	4.3	8.6	12.9	0	0	Yes	0.5	9.1	0
908892	FW	Hybrid	2,475	8	14	12	2.3	4.1	4.5	5.8	6.8	9.9	16.7	2,478	190,806	Yes	-0.1	11.0	0
908932	FW	Hybrid	1,906	51	12	20	7.2	0.0	34.1	8.7	41.3	8.7	50.0	0	0	Yes	0.5	10.4	0
908942	FW	Hybrid	49	7	1	4	1.6	0.0	1.8	0.4	3.4	0.4	3.8	0	0	Yes	0.4	1.9	0
908952	PC	OH	6	3	1	3	0.9	0.0	9.5	0.5	10.4	0.5	10.9	0	0	Yes	0.0	1.0	0
908962	PC	Hybrid	3,269	23	34	10	5.1	0.4	10.5	12.3	15.6	12.7	28.3	949	41,756	Yes	-1.3	11.9	0
908972	PC	Hybrid	3,712	54	14	8	8.7	0.1	18.0	14.6	26.7	14.7	41.4	0	0	Yes	0.4	11.7	0
908982	FW	Hybrid	548	0	7	3	1.7	1.7	0.8	1.1	2.5	2.8	5.3	0	0	Yes	0.0	3.9	0
908992	FW	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
909042	FW	Hybrid	2,271	6	20	8	2.7	0.1	7.6	17.7	10.3	17.8	28.1	0	0	Yes	-0.1	10.1	0
909052	FW	Hybrid	1,907	20	16	10	4.4	0.0	9.5	4.3	13.9	4.3	18.2	0	0	Yes	0.1	9.6	0
909062	FW	Hybrid	978	7	8	5	0.8	0.0	1.3	5.6	2.1	5.6	7.7	0	0	Yes	-0.3	5.3	0
909082	FW	Hybrid	3,017	12	18	3	3.8	6.3	1.4	6.1	5.2	12.4	17.6	0	0	Yes	-0.6	11.8	0
909092	PC	OH	25	6	1	0	3.0	0.0	2.5	0.1	5.5	0.1	5.6	0	0	Yes	-0.1	2.1	0
909112	PC	Hybrid	1,122	76	10	10	16.4	0.0	28.4	3.1	44.8	3.1	47.9	1,026	82,080	Yes	-0.1	5.0	0
909122	PC	Hybrid	219	15	11	0	3.2	0.1	4.3	0.7	7.5	0.8	8.3	215	645	Yes	-0.7	8.1	0
909132	FW	Hybrid	2,367	28	29	11	2.9	0.5	10.7	12.0	13.6	12.5	26.1	0	0	Yes	-0.3	9.6	0
909142	FW	Hybrid	2,188	42	10	13	4.2	1.2	17.6	3.9	21.8	5.1	26.9	0	0	Yes	0.4	9.9	0
909152	FW	Hybrid	1,757	25	11	13	4.6	0.0	12.5	3.4	17.1	3.4	20.5	0	0	Yes	-0.2	8.0	0
909162	FW	Hybrid	1,281	13	3	5	2.9	0.0	12.2	2.8	15.1	2.8	17.9	0	0	Yes	-0.2	5.2	0

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY -pk Prior	Peak Load (MVA)	Number of N on FDR
909172	FW	Hybrid	2,172	19	4	10	4.2	0.0	12.2	9.8	16.4	9.8	26.2	0	0	Yes	-0.6	8.0	0
909182	FW	OH	916	68	7	14	11.3	0.0	62.5	2.1	73.8	2.1	75.9	0	0	Yes	0.0	6.1	0
909192	FW	Hybrid	2,644	63	9	11	6.7	0.0	34.0	3.1	40.7	3.1	43.8	0	0	Yes	-0.1	9.8	0
909202	PC	OH	699	68	11	3	10.6	0.0	26.5	1.2	37.1	1.2	38.3	946	40,944	Yes	0.2	5.1	0
909212	PC	OH	1,656	115	7	14	17.9	0.0	66.1	2.8	84.0	2.8	86.8	0	0	Yes	-0.1	6.1	0
909222	PC	Hybrid	1,023	49	17	16	8.6	0.0	18.6	2.3	27.2	2.3	29.5	0	0	Yes	-0.1	8.5	0
909232	FW	Hybrid	1,938	29	6	11	2.8	0.0	21.8	3.1	24.6	3.1	27.7	0	0	Yes	-0.1	7.4	0
909242	FW	Hybrid	1,729	18	28	12	6.9	0.0	11.2	9.5	18.1	9.5	27.6	1,727	333,724	Yes	0.1	10.3	0
909252	FW	Hybrid	2,533	32	21	14	7.6	0.0	14.5	16.1	22.1	16.1	38.2	0	0	Yes	-0.5	10.4	0
909292	FW	Hybrid	2,072	25	12	10	3.1	0.0	6.8	2.7	9.9	2.7	12.6	0	0	Yes	-0.1	7.5	0
909312	FW	Hybrid	2,240	29	3	5	2.4	0.0	15.8	1.0	18.2	1.0	19.2	0	0	Yes	-0.2	8.1	0
909322	FW	Hybrid	1,453	24	4	6	1.8	0.0	7.5	0.7	9.3	0.7	10.0	0	0	Yes	-0.1	4.8	0
909332	FW	Hybrid	1,453	24	8	8	3.8	0.0	8.7	4.5	12.5	4.5	17.0	0	0	Yes	-0.5	6.5	0
909342	FW	Hybrid	1,453	30	6	8	3.7	0.0	8.6	1.5	12.3	1.5	13.8	0	0	Yes	-0.1	6.3	0
909352	FW	Hybrid	1,754	44	12	4	4.1	0.0	10.7	2.1	14.8	2.1	16.9	0	0	Yes	-0.4	6.3	0
909362	FW	Hybrid	1,719	30	5	8	3.2	0.0	13.2	0.9	16.4	0.9	17.3	0	0	Yes	-0.2	8.5	0
909372	FW	OH	1,662	13	3	4	3.2	0.0	12.7	0.3	15.9	0.3	16.2	0	0	Yes	-0.1	7.1	0
909382	FW	Hybrid	823	18	6	4	2.4	0.0	5.3	0.8	7.7	0.8	8.5	0	0	Yes	0.1	4.8	0
909402	FW	Hybrid	2,698	15	19	10	3.5	0.7	3.6	1.7	7.1	2.4	9.5	0	0	Yes	0.1	8.3	0
909412	FW	Hybrid	2,164	27	16	10	2.9	0.3	7.4	1.9	10.3	2.2	12.5	0	0	Yes	0.4	7.9	0
909422	FW	Hybrid	834	23	5	6	2.5	0.0	3.9	0.4	6.4	0.4	6.8	0	0	Yes	0.2	4.1	0
909462	FW	Hybrid	3,094	43	33	15	5.4	0.0	17.6	14.2	23.0	14.2	37.2	0	0	Yes	-0.6	11.7	0
909472	FW	Hybrid	2,586	19	35	14	6.3	0.1	12.2	26.3	18.5	26.4	44.9	2,581	21,932	Yes	-0.1	12.5	0
909492	FW	Hybrid	1,556	17	13	14	3.7	1.2	5.3	2.7	9.0	3.9	12.9	0	0	Yes	-0.1	10.7	0
909522	PC	OH	1,756	315	13	14	59.9	0.2	113.8	4.6	173.7	4.8	178.5	1,014	44,414	Yes	0.2	6.2	0

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY -pk Prior)	Peak Load (MVA)	Number of N on FDR
909532	FW	Hybrid	2,690	10	22	9	3.4	0.0	2.0	11.9	5.4	11.9	17.3	0	0	Yes	0.2	13.4	0
909542	FW	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
909562	FW	Hybrid	1,452	30	17	9	2.0	1.5	4.7	2.1	6.7	3.6	10.3	1,429	97,901	Yes	-0.4	9.4	0
909572	FW	Hybrid	3,255	5	41	6	2.4	0.5	1.9	8.5	4.3	9.0	13.3	0	0	Yes	-1.5	12.1	0
909582	FW	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
909592	PC	Hybrid	1,168	95	24	7	47.9	0.0	73.7	15.8	121.6	15.8	137.4	335	29,653	Yes	-0.2	3.8	0
909602	FW	Hybrid	1,602	32	11	11	4.1	0.0	7.1	8.0	11.2	8.0	19.2	0	0	Yes	0.0	7.8	0
909612	FW	Hybrid	2,249	51	21	9	4.3	0.0	15.1	3.3	19.4	3.3	22.7	0	0	Yes	-0.8	8.7	0
909622	FW	Hybrid	1,504	59	17	10	3.6	0.0	9.6	2.3	13.2	2.3	15.5	2,649	11,812	Yes	0.7	8.5	0
909632	FW	Hybrid	261	28	10	8	3.0	0.0	2.7	0.6	5.7	0.6	6.3	0	0	Yes	0.1	6.7	0
909672	FW	Hybrid	2,828	69	6	11	7.7	0.0	40.7	8.5	48.4	8.5	56.9	0	0	Yes	0.0	13.0	0
909682	FW	Hybrid	2,126	20	18	9	3.9	0.0	9.3	16.8	13.2	16.8	30.0	0	0	Yes	0.3	12.9	0
909692	FW	Hybrid	2,363	58	7	9	6.0	0.0	26.6	2.9	32.6	2.9	35.5	0	0	Yes	-0.1	8.3	0
909702	PC	OH	1	0	0	0	3.4	0.0	0.0	0.0	3.4	0.0	3.4	0	0	Yes	0.3	3.3	0
909752	PC	OH	11	0	5	0	1.5	0.0	0.0	0.0	1.5	0.0	1.5	0	0	Yes	0.0	3.0	0
909792	FW	Hybrid	1,705	28	12	8	4.1	0.0	14.5	5.6	18.6	5.6	24.2	0	0	Yes	0.2	7.5	0
909802	PC	OH	189	24	0	1	3.4	0.0	11.6	0.1	15.0	0.1	15.1	0	0	Yes	0.0	0.8	0
909812	FW	Hybrid	1,207	23	12	7	11.6	0.0	14.3	9.1	25.9	9.1	35.0	0	0	Yes	0.0	5.7	0
909828	FW	OH	222	22	4	1	4.5	0.0	6.3	0.5	10.8	0.5	11.3	0	0	Yes	0.0	1.0	0
909832	PC	OH	2,217	167	13	11	23.3	0.0	78.2	1.8	101.5	1.8	103.3	4,541	154,541	Yes	0.4	11.5	0
909854	PC	OH	0	0	0	0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0	0	Yes	0.0	0.0	0
909892	PC	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
909912	FW	Hybrid	1,547	13	15	5	3.8	0.0	10.0	9.7	13.8	9.7	23.5	0	0	Yes	-0.6	5.8	0
909942	FW	Hybrid	2,039	26	0	5	5.4	0.0	17.8	3.6	23.2	3.6	26.8	0	0	Yes	-0.8	7.5	0
915002	FW	UG	2	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0



A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Feeder ID#	Sub Region	FDR Type	Custs	OH Lat	UG Lat	Hybrid Lat	OH Fdr & OCR Miles	UG Fdr Miles	OH Lat Miles	UG Lat Miles	Total OH Miles	Total UG Miles	Total Miles	FDR CI	FDR CMI	Is the Feeder Circuit Looped?	Load growth (MVA D pk CY -pk Prior	Peak Load (MVA)	Number of N on FDR
915034	PN	UG	0	0	0	0	0.0	0.3	0.0	0.0	0.0	0.3	0.3	0	0	Yes	0.0	0.0	0
915044	PN	UG	1	0	0	0	0.0	0.3	0.0	0.0	0.0	0.3	0.3	0	0	Yes	0.0	0.0	0
915062	PC	Hybrid	192	4	3	1	7.1	7.6	4.4	3.2	11.5	10.8	22.3	0	0	Yes	-0.1	2.5	0
915242	FW	Hybrid	497	0	13	3	1.6	0.5	0.1	7.5	1.7	8.0	9.7	491	6,874	Yes	0.4	8.1	0
915252	FW	Hybrid	1,457	1	11	2	1.5	0.0	0.3	12.3	1.8	12.3	14.1	0	0	Yes	0.1	7.6	0
915262	FW	Hybrid	959	1	18	2	2.0	0.0	1.0	3.8	3.0	3.8	6.8	0	0	Yes	-0.1	7.0	0
915472	PC	Hybrid	489	16	4	3	1.7	0.0	1.5	2.3	3.2	2.3	5.5	0	0	Yes	0.1	2.0	0
915482	PC	Hybrid	2,401	25	23	5	6.5	2.0	7.5	7.5	14.0	9.5	23.5	0	0	Yes	0.1	8.2	0
915492	PC	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
915602	PN	Hybrid	2,296	18	15	6	4.2	0.0	7.4	23.2	11.6	23.2	34.8	0	0	Yes	0.7	8.0	0
915612	PN	OH	0	0	0	0	0.9	0.0	0.0	0.0	0.9	0.0	0.9	0	0	Yes	0.0	0.0	0
915652	PN	Hybrid	2	0	0	0	0.7	4.0	0.0	0.0	0.7	4.0	4.7	0	0	Yes	-0.2	7.4	0
915672	PN	Hybrid	27	6	1	0	1.3	0.2	0.7	0.1	2.0	0.3	2.3	0	0	Yes	0.0	1.0	0
915702	PN	OH	2,202	67	2	12	6.0	0.4	15.1	0.7	21.1	1.1	22.2	0	0	Yes	-0.1	8.9	0
915712	PN	Hybrid	907	29	14	8	5.5	0.2	6.4	1.7	11.9	1.9	13.8	916	916	Yes	0.7	8.4	0
915722	PN	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
915752	PN	UG	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	Yes	0.0	0.0	0
915762	PN	Hybrid	840	13	8	12	3.1	0.2	4.4	5.6	7.5	5.8	13.3	0	0	Yes	0.0	9.9	0
915772	PN	OH	766	9	7	2	3.4	0.0	4.8	0.4	8.2	0.4	8.6	0	0	Yes	0.0	3.5	0
917102	PC	OH	0	0	0	0	0.9	0.0	0.0	0.0	0.9	0.0	0.9	0	0	Yes	0.0	0.0	0

<b>Transmission/Substation Outage Data</b>					
<b>Outage Event Description</b>	<b>Date of Event</b>	<b>Non-Storm Excluded CMI</b>	<b>Non-Storm Excluded CI</b>	<b>Causation</b>	<b>Resolution</b>
Transmission/Substation	03/17/21	17,344	2,168	Accidental Trip	Supervisory
Transmission/Substation	03/17/21	12,392	1,549	Accidental Trip	Supervisory
Transmission/Substation	04/03/21	3,300	825	Trip under EWP	Supervisory
Transmission/Substation	04/03/21	42,900	825	Equipment Failure	Supervisory
Transmission/Substation	04/21/21	16,180	1,618	Vines	Supervisory
Transmission/Substation	04/21/21	23,075	1,775	Vines	Supervisory
Transmission/Substation	04/21/21	13,869	1,541	Vines	Supervisory
Transmission/Substation	04/21/21	22,770	2,070	Vines	Supervisory
Transmission/Substation	04/21/21	2,776	347	Vines	Supervisory
Transmission/Substation	04/27/21	5,903	1,433	Vines	Supervisory
Transmission/Substation	05/11/21	5,164	2,582	Fire	Supervisory
Transmission/Substation	05/11/21	7,122	3,561	Fire	Supervisory
Transmission/Substation	06/12/21	106,818	1,874	Equipment Failure	Manual
Transmission/Substation	06/14/21	74,844	2,268	Equipment Failure	Manual
Transmission/Substation	07/22/21	222,404	676	Equipment Failure	Manual
Transmission/Substation	07/22/21	518,050	1,594	Equipment Failure	Manual
Transmission/Substation	07/22/21	334,750	1,030	Equipment Failure	Manual
Transmission/Substation	07/27/21	26,826	526	Equipment Failure	Manual
Transmission/Substation	07/27/21	11,692	316	Equipment Failure	Manual
Transmission/Substation	07/28/21	81,264	1,693	Unknown	Manual
Transmission/Substation	07/28/21	81,098	1,886	Unknown	Manual
Transmission/Substation	07/28/21	30,406	661	Unknown	Manual
Transmission/Substation	07/30/21	7,970	1,594	Relay Misoperation	Supervisory
Transmission/Substation	07/30/21	6,180	1,030	Relay Misoperation	Supervisory
Transmission/Substation	07/30/21	2,660	665	Relay Misoperation	Supervisory
Transmission/Substation	08/10/21	8,253	2,751	Deterioration	Supervisory
Transmission/Substation	08/10/21	19,128	1,626	Deterioration	Supervisory
Transmission/Substation	08/10/21	6,210	1,242	Deterioration	Supervisory
Transmission/Substation	08/10/21	9,885	1,977	Deterioration	Supervisory
Transmission/Substation	08/10/21	5,730	1,910	Deterioration	Supervisory
Transmission/Substation	08/10/21	4,852	2,426	Deterioration	Supervisory
Transmission/Substation	08/14/21	40,810	1,855	Equipment Failure	Manual
Transmission/Substation	09/21/21	184,452	2,292	Equipment Failure	Manual
Transmission/Substation	10/05/21	3,081	3,081	Equipment Failure	Supervisory
Transmission/Substation	11/12/21	2,240	1,460	Trip under EWP	Supervisory
Transmission/Substation	12/31/21	2,514	1,257	Deterioration	Supervisory
Transmission/Substation	12/31/21	3,534	1,767	Deterioration	Supervisory