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March 1, 2017

VIA: ELECTRONIC MAIL


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

Re: Storm Implementation Plan and Annual Reliability Performance Reports

Dear Mr. Ballinger:

Submitted herewith is Tampa Electric Company's 2016 Storm Implementation Plan and Annual Reliability Performance Reports.

Sincerely,


James D. Beasley

JDB/pp
Enclosure



2016

**STORM IMPLEMENTATION PLAN
and
ANNUAL RELIABILITY
PERFORMANCE
REPORTS**

FILED: March 1, 2017



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TAMPA ELECTRIC COMPANY

SUMMARY OF 2016

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

Tampa Electric received approval of its 2016-2018 Storm Hardening Plan in Docket No. 160105-EI, Order No. PSC-16-0569-PAA-EI, issued December 19, 2016 and finalized by Consummating Order No. PSC-17-0023-CO-EI issued January 12, 2017.

In 2016, Tampa Electric continued to perform the required system hardening activities such as equipment upgrades, system and equipment maintenance, upgrading of distribution wood structures, replacement of transmission non-wood structures and the company's distribution and transmission inspection processes. These continued storm hardening activities will ensure Tampa Electric's electrical system will perform at an acceptable level if a major storm impacts the company's service area.

Tampa Electric's 2016 distribution reliability indices showed improvement in System Average Interruption Frequency Index ("SAIFI") and most notably the Momentary Average Interruption Event Frequency Index ("MAIFIE") which is the lowest it has ever been. In 2016, this improvement in SAIFI and MAIFIE was attributed to a reduction in momentary breaker operations. Tampa Electric expected this reduction in momentary breaker operations to cause a decrease in SAIFI and MAIFIE. System Average Interruption Duration Index ("SAIDI"), Customer Average Interruption Duration Index ("CAIDI"), Customer Experiencing More than Five Interruptions ("CEMI-5") and Average Duration of Outage Events ("L-Bar") indices showed unfavorable results in 2016, as

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compared to the 2015, by 5.45 percent for SAIDI, 7.62 percent for CAIDI, 13.58 percent for CEMI-5 and 12.90 percent for L-Bar, respectively. A contributing factor to these unfavorable results were the severe thunderstorms that the Tampa Electric service area experienced from July 11, 2016 through July 17, 2016. Five of the 2016 top ten most unfavorable Customer Minutes of Interruption (“CMI”) days were experienced during this period. For this period alone, the company’s service area experienced a total CMI of 7,607,481 which resulted in reliability indices impacts of 10.41 minutes to SAIDI, 132.56 minutes to CAIDI and 329.94 minutes to L-Bar.

For 2017, Tampa Electric remains committed to continued electric system storm hardening within the Commission approved 2016-2018 Storm Hardening Plan. Tampa Electric will also continue looking for innovative ways to reduce storm hardening expenditures while increasing the company’s electrical system’s ability to withstand severe weather events. The company will also consider the rate impacts prior to taking proactive steps to ensure that expenditures made to improve the company’s electrical system are spent prudently and in the best interest of all of Tampa Electric’s customers.

The following pages include the following reports:

1. Tampa Electric’s 2016 activities and costs and 2017 projected activity and costs for each of the Ten Storm Hardening Initiatives.
2. Tampa Electric’s 2016 Annual Distribution Service Reliability Report as required by Rule 25-6.0342 Florida Administrative Code (“FAC”).
3. Tampa Electric’s 2016 Annual Wood Pole Inspection Report as required by Docket Nos. 07-0634-EI and 07-0635-TL, Order No. PSC-07-0918-PAA-PU issued November 14, 2007.

A) Initiative 1: Four-year Vegetation Management

Tampa Electric's Vegetation Management Program ("VMP") incorporates a balanced approach to electrical safety and reliability while adhering to National Electric Safety Code ("NESC") and the American National Standards Institute ("ANSI") A300 pruning standards. The company manages approximately 6,300 miles of overhead distribution and 1,300 miles of overhead transmission lines over nine counties within Florida. Tampa Electric's current VMP calls for trimming the company's distribution system on a four-year cycle approved by the Commission in Docket No. 120038-EI, Order No. PSC-12-0303-PAA-EI, issued June 12, 2012. The plan incorporates the flexibility to change circuit prioritization utilizing the company's reliability based methodology.

B) Initiative 2: Joint Use Pole Attachments Audit

In 2016, Tampa Electric conducted comprehensive loading analyses and continued to streamline processes to better manage attachment requests from attaching entities. The comprehensive loading analysis was performed on 4,120 poles and all poles determined to be overloaded will be corrected.

For 2017, Tampa Electric will continue conducting comprehensive loading analyses where necessary.

C) Initiative 3: Transmission Structure Inspection Program

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

In 2016, all scheduled inspections were completed. These included the annual ground patrol and substation inspections. The above ground, ground line and aerial infrared inspections for 2016 had been completed in December 2015.

In August 2016, Tampa Electric identified a scheduling opportunity that enabled the company to perform the above ground, ground line and aerial infrared inspections scheduled for 2017 in late 2016. As a result, the 2017 above ground, ground line and aerial infrared inspections were completed in the last four months of 2016.

For 2017, the annual ground patrol and substation inspections are scheduled to meet program requirements.

D) Initiative 4: Hardening of Existing Transmission Structures

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

In 2016, Tampa Electric hardened 1,054 structures that included 940 pole replacements utilizing steel or concrete poles and 114 sets of insulators replaced with polymer insulators.

For 2017, Tampa Electric is projecting to harden 310 transmission structures as part of the pole inspection and maintenance program.

E) Initiative 5: Geographic Information System

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

In 2016, Tampa Electric implemented over 61 changes and enhancements to the company's GIS system. These changes included data updates, plus

metadata and functionality changes, to closer align with business processes and improve user performance.

F) Initiative 6: Post-Storm Data Collection

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

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

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

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

Tampa Electric was impacted by three weather events in 2016. The three named storms were Tropical Storm ("TS") Colin, Hurricane Hermine and Hurricane Matthew. An established process is in place for collecting post-storm data. The company also has appropriate measures in place to manage outage performance data for both overhead and underground systems.

H) Initiative 8: Increase Coordination with Local Governments

In 2016, Tampa Electric's communication efforts focused on maintaining existing vital government contacts and continued participation on standing

disaster recovery planning committees. Tampa Electric continues to be involved in improving emergency response to vulnerable populations. In addition, Tampa Electric also participated in joint storm exercises with the Florida Public Service Commission (“FPSC”), the Florida Division of Emergency Management (“FDEM”), the Florida Department of Health (“DOH”), the City of Tampa (“COT”), as well as Hillsborough, Pasco and Pinellas Counties.

I) Initiative 9: Collaborative Research

Tampa Electric is participating in a collaborative research effort with the state’s other investor-owned, municipal and cooperative electric utilities to further the development of storm resilient electric utility infrastructure and technologies that reduce storm restoration costs and outages to customers. This research is being facilitated by the Public Utility Research Center (“PURC”) at the University of Florida. A steering committee comprised of one member from each of the participating utilities is providing the direction for research initiatives. The Memorandum of Understanding (“MOU”) was signed with PURC in December 2015 which expires on December 31, 2018 allowing this collaborative research to cover the three-year period of the current Commission approved Storm Hardening Plan.

In 2016, Tampa Electric assisted in the facilitation of a meeting with the Research Coordination Steering Committee to discuss general issues, sharing of best practices and discussion of potential topics for research. PURC facilitated the meeting in Tampa and the following topics were discussed:

- Wind monitoring network
- Undergrounding model
- Vegetation management
- Forensic data collection and analysis

- Current hardening projects and activities

For 2017, the Research Coordination Steering Committee plans to meet and further discuss opportunities to improve hardening and restoration efforts as well as reducing storm restoration costs within the state.

J) Initiative 10: Disaster Preparedness and Recovery Plan

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

In 2016, Tampa Electric participated in the following disaster preparedness and recovery plan activities which included in-depth coordination with local, state and federal emergency management in the following areas:

- Hillsborough County Post Disaster Redevelopment Plan (“PDRP”) update, helping to align PDRP recovery support functions and emergency support functions at the Emergency Operations Center (“EOC”) level to ensure seamless transition between response and recovery
- Principal member of the National Fire Protection Association (“NFPA”) 1600 – Committee on Business Continuity, Emergency Management and Disaster Recovery
- Member of the Edison Electric Institute (“EEI”) Business Continuity Leadership Team
- Member of the Electric Subsector Coordinating Council (“ESCC”) Leadership Working Group
- Member of the Local Mitigation Strategy (“LMS”) and Vulnerable Population Committees
- Member of the GridEx Working Group (“GEWG”) for the planning and

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development of GridEx IV exercise design plan and exercise scenario;
Co-chair of the Physical Security GEWG Subteam

- Member of the Critical Facility Working Group to review restoration priorities
- Member of the Southeastern Electric Exchange (“SEE”) Mutual Assistance Committee
- Member of the SEE Logistics Subcommittee
- Member of the EEI Mutual Assistance Committee
- Development of debris clearing coordination strategy

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

For 2017, Tampa Electric will continue in leadership roles in county and national preparedness groups: Hillsborough County and the COT PDRP, EEI, ESCC, and the NFPA 1600 Committee on Emergency Management, Business Continuity and Disaster Recovery. In addition, Tampa Electric will continue to be active participants in LMS, Vulnerable Population Committees, SEE’s Mutual Assistance Committee and Logistics Subcommittee, EEI Mutual Assistance Committee, as well as the Critical Facility Working Group. Tampa Electric will also continue to promote growth of its website, Twitter and Facebook followers.

K) Wood Pole Inspection Program

Tampa Electric’s Ground Line Inspection Program for its distribution, lighting and transmission poles is based on the requirements of the NESC and is designed to inspect the entire pole population every eight years. Tampa Electric manages a total pole population of approximately 405,000 over the company’s entire service area. Out of this population, there are

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approximately 285,000 distribution and lighting wood poles and 26,000 transmission poles appropriate for inspection for a total pole inspection population of approximately 311,000 over five counties within Florida.

In 2016, Tampa Electric performed 63,454 wood pole inspections. This completes the third year of the second cycle of the company's eight-year wood inspection program. Available resources have enabled Tampa Electric to complete additional pole inspections over the first three years of the company's second cycle. As of December 31, 2016, the company has performed 4,680 more transmission wood pole inspections and 54,797 more distribution and lighting wood pole inspections than what is required to meet the eight-year inspection cycle at this time.

For 2017, due to being more than one year ahead of the number of wood pole inspections required to meet the eight-year inspection cycle, the company is not scheduling wood pole inspections and will resume inspections in 2018 to continue to meet the eight-year wood pole inspection cycle.

SECTION I - Storm Preparedness Plans

A) Initiative 1: Four-year Vegetation Management

1) Program Overview

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

In 2016, Tampa Electric continued the four-year trim cycle in which the tables in Section D of the Appendix show the trimmed miles on a system-wide basis as well as by specific service area.

2) Description of Vegetation Management Program

In 2016, Tampa Electric's VMP utilized eight full time company employees and approximately 219 contracted tree trim personnel to manage the company's distribution tree trimming requirements. The company's VMP utilizes ANSI A300 standards which are implemented through Tampa Electric's Transmission and Distribution Line Clearance Specifications. This comprehensive document covers specifications related to operations, notification guidelines, tree trimming and removal, chemical application, targeted completion dates, overtime and non-compliance.

In 2016, Tampa Electric utilized approximately 26 contracted tree trim personnel to manage the company's transmission tree trimming requirements. In addition, Tampa Electric's Transmission Vegetation Management Program ("TVMP") continues to comply with the North American Electric Reliability Corporation ("NERC") standard for Transmission Vegetation Management FAC-003-3.

For 2017, Tampa Electric has 179 dedicated distribution tree trim personnel throughout the company's seven service areas. These dedicated resources are broken out into two categories: Proactive and Reactive. The proactive resources are utilized for circuit tree trimming activities and consist of 155 personnel. The reactive resources consist of 24 personnel and are employed for hotspot trims, customer requested work and work orders associated with circuit improvement process. Lastly, Tampa Electric has 28 dedicated personnel responsible for the vegetation management of the company's transmission system.

3) Summary of Past and Future Activities

In 2016, Tampa Electric's System Reliability and Line Clearance Departments utilized a third-party vegetation management software application. Using this application, an analysis was completed which took into consideration multi-year circuit performance data, trim cycles and cost. The analysis has resulted in the development of a multi-year VMP which optimizes activities from both a reliability based and cost-effective standpoint within the company's overall VMP.

For 2017, Tampa Electric will continue to review current reliability-based information and pertinent field and customer information along with the company's annual trimming plan to maximize the overall effectiveness of the company's VMP.

4) Tree-related Terms and Definitions

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

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

5) Criteria Used to Select a Vegetation Management Response

Tampa Electric's Line Clearance arborists, in conjunction with a contracted tree trim general foreman, evaluate whether to remove a tree, hotspot trim or execute full circuit trimming based on several variables. These variables include the date the circuit was last trimmed, circuit reliability data and visual inspection of the circuit. Specific to tree removal, any tree which cannot be

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

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

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

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

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

7) Relevant Utility Tariffs

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

8) Company Practices Regarding Trimming Requests

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

In 2016, approximately 81 percent of all customer driven tree trim requests resulted in some form of tree trimming. The balance of the requests did not require immediate action or were the responsibility of other utilities.

9) Local Community Participation

Tampa Electric continued its efforts toward effective vegetation management as part of a coordinated plan with local governments and communities. The relationship between tree conservation and appropriate utility line clearance preservation is a delicate balance. Tampa Electric, in conjunction with local government and community partners, has developed tree-planting guides, which minimizes the company's tree trimming activities. Moreover, Tampa Electric's Line Clearance Department holds periodic meetings with local governments and communities related to vegetation management.

In 2016, Tampa Electric partnered with the City of Temple Terrace for Arbor Day where volunteers spent the day planting trees throughout the community as part of Temple Terrace's Adopt-A-Tree Program. Tampa Electric also served on the Hillsborough County's Tree and Landscape Advisory Committee.

During the fourth quarter 2016, Tampa Electric submitted its renewal

application to the National Arbor Day Foundation's Tree Line USA Program and expects to receive endorsement in the first quarter 2017. This will be the ninth consecutive year Tampa Electric has received the National Arbor Day Foundation's prestigious Tree Line USA Program designation.

10) Hazard Tree Program and Related Information

Tampa Electric's work order management system incorporates the data collection related to hazard tree and "Top for Removal" program which enhances future reporting capabilities.

In 2016, Tampa Electric evaluated 231 potential hazard trees and top for removal, resulting in the trees either being cleared or removed.

11) Conclusion

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

For 2017, the company will continue to operate the VMP on a four-year cycle in accordance with Commission approved Docket No. 120038-EI, Order No. PSC-12-0303-PAA-EI, issued June 12, 2012.

B) Initiative 2: Joint Use Pole Attachments Audit

1) Overview

In 2016, Tampa Electric conducted comprehensive loading analyses and continued to streamline processes to better manage attachment requests from attaching entities. A comprehensive loading analysis was performed on 4,120 poles and all poles determined to be overloaded will be corrected.

For 2017, Tampa Electric will continue conducting comprehensive loading analyses where necessary.

2) Joint Use Agreements

Due to the size of Tampa Electric's service area and the number of poles the company has, there will always be the potential for unknown foreign attachments to exist on facilities which could place additional loading on a facility which may create an overload situation. To help mitigate these potential overload situations, all Tampa Electric joint use agreements have provisions that allow for periodic inspections and/or audits of all joint use attachments to the company's facilities. In addition, all agreements have provisions that require the attaching party to build and maintain attachments within NESC guidelines or Tampa Electric specifications, whichever are more stringent. All of Tampa Electric's existing joint use agreements require attaching parties to receive authorization from the company prior to attaching any cable to its facilities.

In 2016, Tampa Electric reviewed all known attachment records and verified that the company has joint use agreements with all attaching entities. Tampa Electric has a total of 31 joint use agreements with attaching entities.

For 2017, Tampa Electric's Joint Use Department will continue working on new third party attachment agreements.

3) Tampa Electric's Joint Use Department

Tampa Electric's Joint Use Department strives to ensure the poles are not overloaded and meet the NESC or Tampa Electric Standards, whichever is more stringent, in an effort to lessen storm related issues on poles with joint use attachments. All joint use agreements require attaching entities to apply for and gain permission to make attachments to Tampa Electric's poles. Tampa Electric's permit application process requires a thorough review of the application, an engineering assessment of every pole where attachments are being proposed which includes comprehensive loading analysis and

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compliance with NESC or Tampa Electric's construction standards, the completion of any necessary construction to ensure poles are ready for attachments, Tampa Electric's permission to attach to the poles requested and a post inspection and authorization of the attachments that have been placed in the field. The company also uses National Joint Utility Notification Systems ("NJUNS") for the purpose of improving the coordination and notification process with attaching entities.

In 2016, Tampa Electric processed 53 pole attachment applications for 2,336 poles. As a result, the company identified three distribution poles that were overloaded due to joint use attachments and 114 poles were overloaded due to Tampa Electric's attachments. Out of the 2,336 poles that were assessed through the pole attachment application process and the comprehensive loading analysis, there were 393 poles that had NESC violations due to joint use attachments and 161 poles with NESC violations due to Tampa Electric attachments. All poles with NESC violations were either corrected by adjustments to attachments, pole replacements or joint use entities' removal of the attachments in violation.

In 2016, effort was made by third party "attachers" to notify Tampa Electric of poles planned for over-lashing. Over-lashing is one specific area of concern which is when a joint use entity attaches to an existing attachment without prior Tampa Electric engineering and authorization. This concern continues to be mitigated through a stipulation agreement signed in 2010 whereby the attaching entities agreed to submit notification of all proposed over-lashed attachments to Tampa Electric.

For 2017, Tampa Electric's Joint Use Department will continue working with small cell companies to finalize attachment agreements. Tampa Electric expects to have small cell deployment begin across the company's entire service territory.

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

Tampa Electric's pole inspection program continues to align with two initiatives implemented in 2008. These initiatives are the Comprehensive Loading Analysis and the Pole Attachment Audit.

In 2016, poles were screened during the pole inspection program to identify those potentially overloaded. The poles screened included those with joint users attached. A comprehensive loading analysis was performed by Tampa Electric to determine if an overloading condition exists. If any pole is found overloaded, the company's Engineering Department will design and create a work request to make the necessary correction. Corrective actions to be taken include pole replacement, guying, or the pole could be upgraded to the appropriate strength level by installing an Extended and Tapered Truss ("E-T Truss").

Tampa Electric's Joint Use Department completed the last pole attachment audit in 2014. The main benefit of performing the audit is the identification of unauthorized attachments. This allows Tampa Electric to perform the engineering and loading analysis on these poles to ensure that all loading requirements are met.

5) Conclusion

In 2016, Tampa Electric's Joint Use Department continued ensuring the performance of the Comprehensive Loading Analysis Initiative and the processes for facilitating pole attachments were efficient to both the attaching entities and the company.

For 2017, Tampa Electric's Joint Use Department is prepared to effectively handle the anticipated start of small cell deployment by attachers to the company's poles and will continue to look for more efficient processes for

attaching entities as well as the Comprehensive Loading Analysis Initiative.

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

1) Overview

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

In 2016, Tampa Electric identified a scheduling opportunity that would benefit overall reliability. This scheduling opportunity enabled the company to perform all of the ground line, above ground and aerial infrared inspections scheduled for 2017 in late 2016. Due to the early completion of these inspections no ground line, above ground nor aerial infrared inspections are scheduled for 2017. The remaining budget for the 2017 ground patrol and substation inspections is \$159,279

2) Ground Line Inspection

Tampa Electric has continued the company's ground line inspection program that complies with the Commission's order requiring ground line inspection of wooden transmission structures. In addition, Tampa Electric has been including provisions in the Ground Line Inspection Program to identify

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deficiencies with non-wood structures. Ground line inspections are performed on an eight-year cycle. Each year approximately 12.5 percent of all transmission structures are scheduled for inspection.

The 2016 ground line inspections were completed in 2015 as reported to the commission last year.

In 2016, Tampa Electric identified a scheduling opportunity that would benefit overall reliability. This scheduling opportunity enabled the company to perform all the ground line inspections scheduled for 2017 at a cost of \$46,655. Approximately 2,820 structures or 11.1 percent of the system, comprising 19 circuits, were inspected. Because of this early completion for the scheduled 2017 ground line inspections, ground line inspections will not begin again until 2018.

3) Ground Patrol

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

In 2016, all 230 kV, 138 kV and 69 kV circuits were patrolled by ground at least once. The cost for the 2016 ground patrol inspections was \$139,104.

For 2017, ground patrol is planned for all transmission circuits. All 230 kV, 138 kV and all critical 69 kV circuits will be ground patrolled prior to the peak of hurricane season with the remaining transmission circuits being completed by the end of 2017. Transmission circuits are typically scheduled to be patrolled by level of system criticality, with the most critical circuits patrolled first. The 2017 budget for the ground patrol inspections is \$159,279.

4) Aerial Infrared Patrol

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

The 2016 aerial infrared inspections were performed in 2015 and reported last year.

In August 2016, Tampa Electric identified a scheduling opportunity that would benefit overall reliability. This scheduling opportunity enabled the company to perform the aerial infrared patrol scheduled for 2017 in September 2016 for 100 percent of the transmission circuits. The cost for performing these 2017 planned aerial infrared patrol inspections was \$67,128. Because of this early completion of the scheduled 2017 aerial infrared patrol, aerial infrared patrol will not begin again until 2018.

5) Above Ground Inspections

Above ground inspections will continue to be performed on transmission structures on an eight-year cycle; therefore, each year approximately 12.5 percent or one-eighth of transmission structures are inspected. This inspection is performed by a contractor specializing in above ground power pole inspection and may be performed by climbers, bucket truck or helicopter. The above ground inspection is a comprehensive inspection that

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includes assessment of poles, insulators, switches, conductors, static wire, grounding provisions, cross arms, guying, hardware and encroachment issues. This program provides a detailed review of the above ground condition of the structure.

The 2016 above ground inspections were performed in 2015 and reported last year.

In August 2016, Tampa Electric identified a scheduling opportunity that would benefit overall reliability. This scheduling opportunity enabled the company to perform all the above ground inspections scheduled for 2017 in 2016. Above ground inspections were performed on 2,820 structures, or approximately 11.1 percent of the system, comprising 19 circuits. The cost for this planned 2017 above ground inspection was \$179,053.

Because of this early completion for the scheduled 2017 above ground inspections, there will be no above ground inspections scheduled for 2017. The above ground inspections will not begin again until 2018.

6) Substation Inspections

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

In 2016, substation inspections were performed on all transmission substations.

For 2017, substation inspections are planned on all transmission substations.

7) Pre-Climb Inspections

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

8) Reporting

Standardized reports are provided for each of the formal inspections. Deficiencies identified during the inspections are entered into a maintenance database. This maintenance database is used to prioritize and manage required remediation. Deficiencies identified during the pre-climb inspections are assessed by the on-site crew and reported to supervisory personnel for determination of corrective action.

D) Initiative 4: Storm Hardening Activities for Transmission Structures

1) Overview

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

coastal transmission circuits to harden the areas that could be hardest hit with a storm.

In 2016, Tampa Electric hardened 1,054 structures at a cost of \$19.4 million. This included 940 pole replacements with steel or concrete poles and 114 sets of insulators replaced with polymer insulators.

For 2017, Tampa Electric plans to harden 310 transmission structures as a part of the pole inspection and maintenance program with a budget of \$6.8 million. This includes 310 structure replacements with steel or concrete poles as well as replacing insulators with polymer insulators as needed.

E) Initiative 5: Geographic Information System

1) Overview

GIS is fully integrated into Tampa Electric's process as the foundational database for all transmission, substation and distribution facilities. All new computing technology requests are evaluated with an emphasis on full integration with GIS. Development and improvement of the GIS for users continues. In 2016, over 61 changes and enhancements were implemented in the GIS system. These changes included data updates, plus metadata and functionality changes, to better conform to business processes and improve the user experience.

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

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

review, evaluate and recommend enhancements for implementation.

2) Conclusion

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

In 2016, as in prior years, many improvements and enhancements were implemented.

For 2017, Tampa Electric expects to identify more opportunities to continue enhance and improve the company's GIS.

F) Initiative 6: Post-Storm Data Collection

1) Establishment of a Forensics Team

Tampa Electric has continued its relationship with its outside consultant to perform post-storm forensic analysis resulting from a Category One or greater storm. Its purpose is to determine the root cause of storm damage on a significant part of the company's service area after a major storm.

2) Establishment of Forensics Measurements

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

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

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

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

3) Establishment of Forensics Database Format

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

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

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

4) Forensics and Restoration Process Integration

As a Category One or greater storm approaches, the consultant will be notified that a request to mobilize may be imminent when Tampa Electric activates the company's Incident Command System ("ICS"). This will likely occur when the storm is within three days of landfall. The consultant is required to mobilize data gathering personnel and equipment no later than one day prior to landfall to be ready for data gathering as soon as it is safe after the storm passes. The decision to mobilize the consultant will be made by the company in conjunction with the decision to mobilize foreign crews for

restoration work.

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

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

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

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

5) Forensics Data Sampling Methodology

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

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

6) Reporting Format Used to Report Forensics Results

Following a storm event and the subsequent forensic analysis, Tampa Electric's consultant will provide a full report containing the data collected and resulting findings. The data collected will be provided in an electronic database, Excel or Access format, with accompanying analyses, charts and diagrams.

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

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

7) Conclusion

Tampa Electric has an established process in place to gather the necessary data for forensics analysis following a Category One or greater storm that significantly impacts the company's service area. This data will be used to determine the root cause of damage after a storm event.

For 2017, depending upon the number of storm events, the company will incur costs based upon the category of storm and level of activation upon the forensic analysis contractor.

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

1) Overview

Tampa Electric was impacted by three weather events in 2016. The three named storms were TS Colin, Hurricane Hermine and Hurricane Matthew. An established process is in place for collecting post-storm data. The company also has appropriate measures in place to manage outage performance data for both overhead and underground systems.

H) Initiative 8: Increase Coordination with Local Governments

The following is a summary of Tampa Electric's 2016 activities with local governments in support of ongoing programs, storm preparation and plans for 2017. This information is also represented in the matrix provided in the Appendix D.

1) Communication Efforts

Tampa Electric strives to maintain excellent communications with the local governments within the company's service territory. These communications are carried out by specifically assigned personnel from Tampa Electric's Community Relations and Emergency Management Departments to each of

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the local governments served. Tampa Electric representatives engage in ongoing discussions with local officials regarding critical issues such as storm restoration, underground conversions and vegetation management. In addition, Tampa Electric is committed to improving these relationships even further and will increase coordination in key areas.

In 2016, Tampa Electric's Emergency Management Department communication efforts continued to focus on local, state and federal governments and agencies for all emergency management missions. Tampa Electric was invited to participate in local, state and federal government drills. In addition, Tampa Electric played an integral role in developing the NERC GridEx IV exercise design plan and scenario. Other communication topics in 2016 included updating governmental officials of the company's transmission line inspections, structural upgrades, and in federal NERC/Federal Energy Regulatory Commission ("FERC") line clearance regulation changes.

In 2016, community focused communications included pre-hurricane season news releases to all major media outlets that serve Tampa Electric customers. All releases were also posted on Tampa Electric's website. Hurricane guides were published in several major newspapers including the Tampa Tribune, Lakeland Ledger and the Winter Haven News Chief. In addition, Tampa Electric in partnership with Hillsborough County, promoted the national flood insurance program to county residents through the company's news and information forum called "Open Lines".

2) Storm Workshop and Training with Local Government

In 2016, Tampa Electric participated with government officials in joint storm exercises with the FDEM, the FPSC, the COT, as well as Hillsborough, Pasco, and Pinellas Counties.

3) Emergency Operations Centers – Key Personnel Contact

In 2016, several named tropical weather events triggered various county and municipal agencies to open their EOC at either full or partial activation levels to support emergency response activities. Specifically, Tampa Electric activated emergency operations for TS Colin, Hurricane Hermine and Hurricane Matthew. The table below shows the activation levels for each tropical weather event by county which covers Tampa Electric’s service area:

2016 EOC Activation Level by Tropical Weather Event			
City/County EOC	TS Colin	Hurricane Hermine	Hurricane Matthew
City of Tampa	Partial	Partial	Not activated
Hillsborough County	Partial	Partial	Partial
Pasco County	Full	Full	Partial
Pinellas County	Partial	Partial	Partial
Polk County	Not activated	Not activated	Full

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

4) Search and Rescue Teams – Assistance to Local Government

In 2016, there was no activity to report regarding search and rescue activities. Tampa Electric, however, maintains a staff of lineman and vehicles ready to assist local fire departments with search and rescue activities should the company be called upon.

5) Tree Ordinances, Planting Guides and Trim Procedures

In previous years, Tampa Electric Line Clearance personnel communicated with municipal officials on several projects. Some of these projects include

providing guidance to planning boards on changes to their landscaping ordinance, and covered issues including ROW landscaping issues, as well as assisting in the production of public information shows for radio and television.

For 2017, the company's Manager of Line Clearance will continue to work with Tampa Electric's Community Relations staff to offer meetings with local government's Public Works supervisory staff on how Tampa Electric can best work with city staff in pre-storm and post-storm events and to better coordinate the company's tree trimming procedures with governmental ordinances.

6) Underground Conversions

Over the past four years, the Dana Shores Civic Association and Tampa Electric have been working with Hillsborough County to create a Municipal Service Benefit Units ("MSBU") ordinance. The ordinance would allow neighborhoods to set up self-elected taxing districts that would fund capital upgrade through annual Ad Valorem taxes. Tampa Electric employees have attended several meetings with officers of the association, county officials, as well as regular association meetings to provide assistance. These meetings have also created interest in other neighborhoods, such as the City of Tampa, for the possibility of converting portions of the system to underground. Estimates for the project have been presented jointly by the association's officers and Tampa Electric employees to the County Planning Commission Staff. Efforts are still underway with Hillsborough County to set up a special taxing district specifically for funding this project. In 2015, the ordinance was passed by the County Commission and the Dana Shores Civic Association leadership continues to work on getting the necessary neighborhood consensus documentation to put the County's processes in motion. The construction for this underground conversion is projected to start in 2018.

7) Conclusion

For 2017, Tampa Electric will continue to focus its government communication efforts in providing governmental officials with the company's emergency response contacts, to review the company's Emergency Response Plan and to validate restoration priority for critical facilities. In addition, Tampa Electric will continue communicating storm preparedness information to customers through its annual media pre-hurricane season press release. Tampa Electric will also continue to train the company's EOC representatives and designated search and rescue personnel.

Initiative 9: Collaborative Research

1) PURC Collaborative Research Report

Report on Collaborative Research for Hurricane Hardening

Provided by

The Public Utility Research Center
University of Florida

To the

Utility Sponsor Steering Committee

February 2017

I. Introduction

The Florida Public Service Commission (FPSC) issued Order No. PSC-06-00351-PAA-EI on April 25, 2006 (Order 06-0351) directing each investor-owned electric utility (IOU) to establish a plan that increases collaborative research to further the development of storm

resilient electric utility infrastructure and technologies that reduce storm restoration costs and outages to customers. This order directed IOUs to solicit participation from municipal electric utilities and rural electric cooperatives in addition to available educational and research organizations. As a means of accomplishing this task, the IOUs joined with the municipal electric utilities and rural electric cooperatives in the state (collectively referred to as the Project Sponsors) to form a Steering Committee of representatives from each utility and entered into a Memorandum of Understanding (MOU) with the University of Florida's Public Utility Research Center (PURC). The third extension of this MOU was approved last year by the Research Collaboration Partners and now extends through December 31, 2018.

PURC manages the work flow and communications, develops work plans, serves as a subject matter expert, conducts research, facilitates the hiring of experts, coordinates with research vendors, advises the Project Sponsors, and provides reports for Project activities. The collaborative research has focused on undergrounding, vegetation management, hurricane-wind speeds at granular levels, and improved materials for distribution facilities.

This report provides an update on the activities of the Steering Committee since the previous report dated February 2016.

II. Steering Committee Workshop

On September 29, the Steering Committee organized a workshop for 26 participants from the Project Sponsors at TECO Plaza in Tampa. The workshop was held to orient new members on the work that the cooperative has accomplished, and to serve as a forum for new ideas in the field of storm preparedness and outage response.

The opening speaker was Matt Corey from Weatherflow, Inc. who discussed their wind monitoring network "HurrNet." The network consists of approximately 90 wind monitoring stations, 44 in Florida, and 21 on utility property. This data is available at no charge to the Project Sponsors. He also outlined Weatherflow's new capabilities, specifically their StormTrack/StormPrint model (on which he displayed, ironically, Hurricane Matthew) and their new line of Smart Weather weather stations for domestic to commercial users.

Next was Ted Kury from PURC with an update on the undergrounding model developed by the Project Sponsors. The current capabilities, which include both probabilistic and deterministic modeling, were reviewed.

The next item on the agenda was a roundtable on vegetation management. Participants discussed current procedures and best practices. All noted that utilities continue to face challenges regarding access to facilities that need to be managed, particularly within municipal boundaries due primarily to municipal codes. Some noted that municipalities may not be aware of the impact that their codes may have on system reliability, and that education is critical in these areas. Each utility then outlined their current trim cycle and approach. Finally, the participants discussed the evolution of customer expectations regarding communications with their utilities.

Next on the agenda was a discussion on the collection and usage of forensic storm damage data. Participants reviewed the existing platform and data framework.

Finally, the participants engaged in a roundtable discussion of topics that might be explored further in future workshops, and discussed the importance and the form of follow-up efforts.

Overall, the participants left the workshop with a greater appreciation and understanding of the work conducted at the various transmission and distribution segments of the Florida utilities.

III. Undergrounding

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

The collaborative has refined the computer model developed by Quanta Technologies and there has been a collective effort to learn more about the function and functionality of the computer code. PURC and the Project Sponsors have worked to fill information gaps for model inputs and significant efforts have been invested in the area of forensics data collection. Since the state has not been affected by any hurricanes since the database software was completed, there is currently no data. Therefore, future efforts to refine the undergrounding model will occur when such data becomes available.

In addition, PURC has worked with doctoral and master's candidates in the University of

Florida Department of Civil and Coastal Engineering to assess some of the inter-relationships between wind speed and other environmental factors on utility equipment damage. PURC has also been contacted by engineering researchers at the University of Wisconsin and North Carolina State University with an interest in the model, though no additional relationships have been established. In addition to universities, PURC was again contacted by researchers at the Argonne National Laboratory who expressed interest in modeling the effects of storm damage. The researchers developed a deterministic model, rather than a probabilistic one, but did use many of the factors that the Collaborative have attempted to quantify. They are currently working to incorporate stochastic elements into their model and have consulted PURC for guidance. Every researcher that contacts PURC cites the model as the only non-proprietary model of its kind.

The research discussed in previous years' reports on the relationship between wind speed and rainfall is still under review by the engineering press. Further results of this and related research can likely be used to further refine the model.

IV. Wind Data Collection

The Project Sponsors entered into a wind monitoring agreement with WeatherFlow, Inc., in 2007. Under the agreement, Florida Sponsors agreed to provide WeatherFlow with access to their properties and to allow WeatherFlow to install, maintain and operate portions of their wind monitoring network facilities on utility-owned properties under certain conditions in exchange for access to wind monitoring data generated by WeatherFlow's wind monitoring network in Florida. WeatherFlow's Florida wind monitoring network includes 50 permanent wind monitoring stations around the coast of Florida, including one or more stations located on utility-owned property. The wind monitoring agreement expired in early 2012; however, the wind, temperature, and barometric pressure data being collected at these stations is being made available to the Project Sponsors on a complimentary basis.

V. Public Outreach

In last year's report we discussed the impact of increasingly severe storms on greater interest in storm preparedness. PURC researchers continue to discuss the collaborative effort in Florida with the engineering departments of the state regulators in Connecticut, New York, and New Jersey, Pennsylvania, and regulators in Jamaica, Grenada, Curacao, Samoa, and the Philippines. While all of the regulators and policymakers showed great interest in the genesis of the collaborative effort, and the results of that effort, they have not, at this point, shown further interest in participating in the research effort.

VI. Conclusion

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

J) Initiative 10: Disaster Preparedness and Recovery Plan

1) 2016 Emergency Management Summary

In 2016, Tampa Electric worked with the local governments within the company's service areas to further enhance dialogue and seek opportunities to partner in training. As in the past, the company provided local communities with public service information at the beginning of storm season via local news media. During the State of Florida's mock hurricane exercise, Tampa Electric's Emergency Response Team tested its response and communication plans.

Prior to June 1, 2016, all emergency support functions were reviewed, personnel trained, and ICS Logistics and Planning Section plans were tested.

2) 2017 Emergency Management Activities and Budget

For 2017, the company's Emergency Response Plan will be reviewed prior to hurricane season to ensure it is up to date and ready for the 2017 storm season. Tampa Electric's Emergency Management budget for 2017 is \$361,135, which will be used to cover labor costs, preparedness resources such as emergency notification system, weather services, resilience management products, internal and external training, exercises to test plans and the following initiatives:

- Tampa Electric Emergency Preparedness Fair with representation

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from government agencies, and support additional external county fairs

- Annual cyber security exercise
- Train over 40 Tampa Electric certified Business Emergency Response Team (“BERT”) members
- Participate in local, state and federal emergency management and business continuity forums
- Participate in the SEE Mutual Assistance Committee
- Participate in the SEE Logistics Sub-Committee
- Participate in the EEI Mutual Assistance Committee
- Support of Hillsborough County in communicating the national flood insurance to county residents
- Support the ESCC strategy
- Support Hillsborough County and the COT PDRP planning, State of Florida Division of Emergency Management and Department of Homeland Security (“DHS”)
- Participate in the Critical Facilities Working Group to support the review of restoration priorities for critical facilities
- Chair the Hillsborough County PDRP Infrastructure Technical Advisory Committee
- Participate in the DHS Protective Security Advisor Program
- Support community preparedness through participation in various government committees (e.g., Maritime Security, Florida Department of Law Enforcement, Regional Domestic Security Task Force), and activate as necessary during major community events
- Plan with the Hillsborough County Department of Health (“DOH”) on the Cities Readiness Initiative; pandemic and bio-terrorism emergency response
- Support the Hillsborough County LMS Working Group
- Participate in public/private storm related exercises
- Conduct all-hazards internal preparedness exercises and training

sessions using the company ICS model to test plans

3) 2016 Energy Delivery Emergency Management

In 2016, Tampa Electric's Energy Delivery Department was involved in many activities throughout the entire storm season. The department facilitated Management Refresher Training for Energy Delivery Personnel. This training covered ICS, the Tampa Electric and Energy Delivery Emergency Management sites along with current and future activities related to Emergency Management.

In May 2016, Energy Delivery facilitated a centralized functional exercise with the following objectives:

- Practice and validate post-storm 2-man Cut-n-Clear restoration processes
- Practice and validate the Estimated Time of Restoration (“ETR”) communication processes
- Practice and validate source restoration SharePoint site communications between Grid Operations and Distribution
- Practice the TECO Schedule of Meetings
- Practice updating the EM Dashboard
- Test the use of the Emergency Notification System.

The event was based on a Category Four hurricane with maximum sustained winds of 145 miles per hour (“mph”) and a storm surge of fifteen feet which impacted the Tampa Electric Service Area and neighboring counties. The scenario was preceded by an Energy Delivery conference call that included other key employees across the company. As a result of this exercise, 115 action items were identified for follow-up and lessons learned. All action items have been followed up on and implemented.

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Tampa Electric annually reviews sites for incident bases and staging sites which ensure primary and backup locations for distribution, transmission, and materials. Additionally, logistical needs and equipment requirements are reviewed for each incident base site. Throughout Tampa Electric's service territory, the company is constantly developing and maintaining relationships with property owners for potential incident bases and staging sites. Energy Delivery also annually reviews existing purchase orders and contacted vendors who would assist the company with restoration efforts. All of these activities were performed in 2016.

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

4) Mutual Assistance

In 2016, Energy Delivery participated in numerous conference calls with other SEE utilities regarding rain, wind and ice events. The company's participation in these calls was to both request and offer mutual assistance to assist in restoration activities.

In January, 2016, Tampa Electric deployed a 65-team member contingent to North Carolina to assist Duke Energy's restoration efforts resulting from Winter Storm Jonas.

In June, 2016, TS Colin threatened the Tampa Bay area. Tampa Electric secured 50 additional non-SEE native contractor resources to assist in the restoration process from outages caused by TS Colin.

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In August 2016, Hurricane Hermine threatened Tampa Bay. Tampa Electric secured 234 SEE and 260 non-SEE resources to assist in the restoration process from outages caused by Hurricane Hermine.

In October, 2016, Tampa Electric deployed a 35-team member contingent to Freeport, Grand Bahama to assist Grand Bahama Power Company to assist in their restoration efforts from Hurricane Matthew.

In October, 2016, Tampa Electric deployed a 41-team member contingent to Jacksonville Electric Authority to assist in their restoration efforts resulting from Hurricane Matthew.

5) Mutual Assistance Lessons Learned

Tampa Electric provided mutual assistance to several utilities in 2016 to assist in the restoration of their system due to being impacted by storm events. During this assistance, Tampa Electric learned many lessons that will help improve Tampa Electric's existing Emergency Management plan and also reinforced several existing provisions already contained within the plan. Some of the lessons learned from providing Mutual Assistance in 2016 include:

- Providing chartered bus transportation from hotels to Incident Bases for crews is the best method to transport personnel
- If meals must be provided, providing meals at Incident bases to all personnel, native as well as foreign crews, provides the most efficient and cost-effective way to feed personnel
- Taking advantage of hotels that provide breakfast results in more crew time spent on restoration work
- Purchasing slip on ice spikes for crew footwear is an effective way to ensure safety in icy conditions and is also cost-effective

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- Logistics support systems need to be leveraged to maximize the efficiency of crews and to ensure excellent restoration results
- Keeping crews at normal staffing levels ensures maximum productivity and ensures all required tools and equipment are available
- Providing crews with a designated single point of contact for work assignments and directions avoids conflicting instructions and confusion and keeps the focus on safe restoration
- Plan, as much as possible, for the crews to maximize their work time during daylight hours
- Long duration restoration efforts that are greater than two to three weeks in length can be accommodated by providing 'off' time to crews

6) 2017 Energy Delivery Emergency Management

For 2017, Tampa Electric's Energy Delivery Department will continue to pursue additional incident base and staging sites as backup locations. Service area managers and incident base leaders will maintain relationships with property owners of existing sites and locations.

Energy Delivery will conduct an Incident Base Exercise in April. The purpose will be to expose all participants to an Incident Base setup/situation, review/familiarize participants with their Emergency Management assignment, practice the workflow and handling of foreign crews. In addition, key employees across all levels of the company will be invited to participate as well. Various scenarios will be injected throughout the exercise. Follow-up items and lessons learned will be recorded.

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

storm season via training materials and presentations.

K) Storm Hardening Plan Update

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

1) Undergrounding Distribution Interstate Crossings

The continued focus of this activity is to harden limited access highway crossings to prevent the hindrance of first responders, emergency vehicles and others due to fallen distribution lines blocking traffic. The restoration of downed overhead power lines over interstate highways can be lengthy due to heavy traffic congestion following a major storm. Tampa Electric's current preferred construction standard requires all distribution line interstate crossings to be underground. Therefore, the company initially converted several overhead distribution line crossings to underground on major interstate highways. Through 2016, a total of 16 distribution crossings have been converted. Any remaining distribution interstate highway crossings will be converted to underground as construction and maintenance activities present opportunities.

2) Testing Network Protectors

The Tampa downtown network is a small area of dense loads made up of mostly high-rise office buildings. This area is considered critical infrastructure

because of the high concentration of business and governmental buildings in this area. The types of businesses include telecommunications switching center, banking, city and county governmental offices, federal and county courthouses as well as approximately 2,500 hotel rooms and 6.5 million square feet of office space. The Marion Street substation serves the downtown network with six underground distribution circuits. The downtown network consists of 361 manholes and 56 network vaults. Most network vaults contain two network transformers and two network protectors. In 2016, a total of 61 network protectors were tested and 13 units were replaced. Tampa Electric will continue to remotely monitor the network protectors daily, address any issues that arise and visually inspect each unit at least once bi-annually. Further analysis will be conducted on the network protectors to determine the benefit of these hardening efforts in the unfortunate event that a hurricane impacts the downtown network.

3) Extreme Wind Pilot Projects

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

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

No additional extreme wind hardening efforts were conducted in 2016. Tampa Electric will monitor the behavior of the prior hardened extreme wind locations before and after a hurricane event to determine the effectiveness of these types of hardening efforts and their appropriateness for broader system deployment.

4) Underground Equipment Construction Standard

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

In 2016, Tampa Electric made a change to the company's standard for replacing live-front switchgear. The new specification standard will convert live-front switchgear with dead-front switchgear when replacement is necessary. The use of dead-front switchgear will also be deployed in all new installations. The dead-front switchgear will provide greater protection from service interruptions created by animals and harsh environments.

5) Coordination with Third Party Attachers

Tampa Electric continually conducts meetings with third party attachers to discuss hardening projects as well as coordination between companies. Communication has been the key to resolve any potential conflicts that have been brought to Tampa Electric's attention. Coordination with third party attachers continues to be very positive and productive.

SECTION II - Storm Season Ready Status

A) Storm Season Ready Status: 2016 Accomplishments

1) Transmission

In 2016, Tampa Electric completed ground patrols on the transmission system including all 230 kV, 138 kV circuits and 69 kV circuits. The ground patrols identified access, encroachment and vegetation management issues and facilitated a visual review of the system.

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

Also in 2016, Tampa Electric hardened 1,054 structures that included 940 pole replacements utilizing steel or concrete poles and 114 sets of insulators replaced with polymer insulators.

2) Vegetation Management

In 2016, Tampa Electric continued to maximize the effectiveness of the company's VMP efforts relative to storm season. All 230 kV and 138 kV transmission lines, as well as priority 69 kV tie lines, were patrolled twice for vegetation management. Any vegetative conditions identified from those patrols were either resolved immediately or scheduled for full circuit maintenance.

These efforts, along with the company's ongoing, aggressive trimming of the distribution system in 2016, have better prepared Tampa Electric for future storm seasons.

3) Updated and Reviewed Circuit Priority

In 2016, Tampa Electric continued to work with all county and municipal agencies in reviewing and updating the restoration priorities following

established procedures. In addition, enhancements were made to Tampa Electric's GIS to capture critical facility identification and restoration priority information.

4) Capacitor Maintenance Program

In support of maintaining balanced voltage to both the transmission and distribution systems and in maintaining the interconnection power factor with Tampa Electric's neighboring utilities, the company continued its capacitor maintenance program in 2016. The company remotely monitors capacitor banks and when apparent problems were identified, a Tampa Electric field crew was dispatched to resolve any operational problems. In 2016, the company conducted field visits to 540 capacitor banks and made repairs as needed.

5) Increased Equipment Inventory

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

6) Communication/Coordination with Key EOC and Governmental Organizations

In 2016, Tampa Electric continued its communication efforts focusing on maintaining vital governmental contacts and participation on standing disaster recovery planning committees. These committees are standing committees and will continue to meet. Tampa Electric also participated in joint storm exercises with the FDEM, the FPSC, the COT, as well as Hillsborough, Pasco and Pinellas Counties, and federal with DHS, Department of Energy (“DOE”) and NERC.

7) Secured and Expanded Incident Bases

Tampa Electric annually reviews the company’s current sites for incident bases and staging sites which ensure primary and backup locations for distribution, transmission and materials. Additionally, logistical needs and equipment requirements are reviewed for each incident base site. Throughout Tampa Electric’s service territory, the company is constantly developing and maintaining relationships with property owners for potential incident bases and staging sites. Tampa Electric’s Energy Delivery Department also annually reviews existing purchase orders and contacts vendors who would support and assist the company with restoration efforts. All these activities were performed in 2016.

8) Hurricane Preparedness Exercises

In April and May 2016, Energy Delivery facilitated Management Refresher Training for Energy Delivery personnel. This training covered ICS, the Tampa Electric and Energy Delivery Emergency Management sites along with current and future activities related to Emergency Management. In addition, a centralized functional exercise was conducted in May, 2016 with the following objectives:

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- Practice and validate post-storm 2-man Cut-n-Clear restoration processes
- Practice and validate the ETR communication processes
- Practice and validate source restoration SharePoint site communications between Grid Operations and Distributions
- Practice the TECO Schedule of Meetings
- Practice updating the Emergency Management Dashboard
- Test the use of the Emergency Notification System

The event was based on a Category Four hurricane with maximum sustained winds of 145 mph with a storm surge of fifteen feet which impacted Tampa Electric's service area and neighboring counties. The scenario was preceded by an Energy Delivery conference call that included other key employees across the company. Because of this exercise, 115 action items were identified for follow-up and lessons learned. All action items have been followed up on and implemented.

9) Post-Storm Data Collection and Forensic Analysis Implemented

In 2016, Tampa Electric continued its relationship with its outside consultant for performing post-storm forensic analysis. This analysis will be completed to gather a statistically significant representative sample of damage and using this sample to determine root causes of failure during major storms. Tampa Electric has also included transmission into the company's Forensic Analysis process.

10) Storm Hardening

See Section K for update to this section.

B) Storm Season Ready Status: 2017 Planned Activities

1) Program Summary

Tampa Electric's 2017 Storm Season Readiness preparation focuses on a number of areas including additional distribution circuit protection equipment installations, pre-storm transmission inspections and maintenance, wood pole inspections and replacements, vegetation management, capacitor maintenance, local government interaction, increased equipment inventory, circuit priority reviews, hurricane preparation exercises, and industry research for best practices and procedures for storm restoration.

2) Transmission Inspections and Maintenance

In preparation for the 2017 storm season, Tampa Electric has performed aerial infrared inspections on all 230 kV, 138 kV and 69 kV circuits including approximately 26,000 structures in September 2016. Prior to hurricane season, all 230 kV, 138 kV and all critical 69 kV circuits will be patrolled with the remaining transmission circuits being completed by the end of 2017.

Tampa Electric plans to change out approximately 310 wood transmission poles throughout the year with steel or concrete structures. Also, Tampa Electric intends to replace existing insulators with polymer insulators as needed, with much of this work being completed prior to the peak of hurricane season.

3) Pole Inspections

In 2016, Tampa Electric identified a scheduling opportunity that would benefit overall reliability. This scheduling opportunity enabled the company to perform all the transmission ground line inspections scheduled for 2017. This scheduling opportunity also enabled the company to complete all the 2017 and a portion of the 2018 distribution and lighting wood pole inspections. This aggressive inspection schedule will afford Tampa Electric an opportunity to

accelerate the upgrade of the transmission and distribution system.

For 2017, due to completion last year, Tampa Electric has planned no ground line inspections to be conducted. The ground line inspections will begin again in 2018. The future inspections coupled with the company's pole replacement program will enhance the storm resiliency of Tampa Electric's transmission and distribution system.

4) Capacitor Maintenance Program

For 2017, the company will continue monitoring and maintaining capacitor banks. In preparation for summer peak loads and in anticipation of the significant impact of summer storms on workforce availability and capacitor failure rates, Tampa Electric will make aggressive efforts to make capacitor bank repairs during the spring of 2017. Repairs during the summer are generally limited to an as needed basis. Regularly scheduled repairs will continue in the fall as the need and weather permits. For 2017, the company estimates that approximately 615 capacitor banks will be field visited, tested and repaired if needed.

5) Communication with Local Governments

Tampa Electric will continue to meet with various governmental agencies to enhance communication and coordination of emergency and vegetation management activities, as well as provide education on coordinating and facilitating underground conversions, to the extent that these inquiries occur.

6) Increase Equipment Inventory

As was the case in 2016, the company will review and increase storm stock in 2017 to ensure a four-day supply of overhead distribution materials such as splices, fuses, connectors, service clamps, brackets, wire, poles, transformers, etc., as well as transmission and substation materials. The

company will also ensure that procurement contracts are in place to support additional supplies being delivered within four days of landfall and it will replenish required stock for the duration of a major restoration event.

7) Circuit Priority Review

For 2017, Tampa Electric will continue working with all county and municipal agencies in reviewing and updating the restoration priorities for the areas served by the company.

8) Hurricane Preparedness Exercises

Tampa Electric's Energy Delivery Department will conduct an Incident Base Exercise in April 2017. The purpose will be to expose all participants to an Incident Base setup/situation, review/familiarize participants with their Emergency Management assignment, practice the workflow and handling of foreign crews. In addition, key employees across all levels of the company will be invited to participate as well. Various scenarios will be injected throughout the exercise. Follow-up items and lessons learned will be recorded and followed up on and implemented as appropriate.

9) Storm Hardening Plan

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

May 2, 2016 and approved by the Commission by Consummating Order PSC-17-0023-CO-EI on January 12, 2017.

SECTION III - Wood Pole Inspection Program

A) Wood Pole Inspection Program

1) Program Summary

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

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

2) Inspection Cycle

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

3) Inspection Method and Procedure

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

a) Inspection in Conjunction with Other Field Work

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

b) Visual Inspection

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

c) Sound and Bore

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

After the pole has passed the sound and bore inspection, an excavation inspection will be performed, if required.

d) Excavation

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

For a pole in concrete or pavement where excavation is not possible, Tampa Electric will utilize a shell boring technique. This will consist of boring two 3/8 inch holes at a 45-degree angle to a depth of 16 to 18 inches below ground level. The technician will determine the pole strength by the resistance discerned while drilling. Upon withdrawing the drill bit, the technician will examine the condition of the wood shavings to determine whether decay is present. All borings shall be plugged as previously described.

e) Hardware Inspection

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

f) Inspection and Treatment Labeling

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

g) Pole Attachment/Loading Analysis

In some circumstances, Tampa Electric will conduct a pole loading data collection and analysis as part of the ground line inspection. The analysis will ensure that the condition of the pole meets the requirements in Table 261-1A of the NESC. The analysis will not be performed on poles having only Tampa Electric attachments since these facilities were originally designed to meet loading requirements.

h) Data Collection

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

4) Disposition of Poles

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

5) Routing of Inspections

a) Distribution

Tampa Electric's distribution system is a radial system with many laterals and service drops. In 2016, the company determined the most

cost-effective and reasonable approach for routing the work of the annual inspection program is by substation and circuit. This approach affords Tampa Electric to better align and coordinate other maintenance activities. Therefore, inspectors will be provided substation and circuit numbers to guide their inspection routes. All poles associated with selected circuits will be systematically inspected.

b) Transmission

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

6) Shared Poles

Tampa Electric supports the Commission's effort to establish pole inspection requirements on the owners of all utility poles. Tampa Electric will coordinate with third party owners of utility poles that carry the company's facilities. With regard to the third party's inspection process, the company will rely upon the third party's inspection requirements and share data requested by the third party to be utilized in their inspection procedure. Tampa Electric will cooperate, as requested, in the work associated with pole replacement where joint use exists.

7) Standards Superseding NESC Requirements

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

8) Pole Inspection Program Performance Verification

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

9) Reporting

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

10)2016 Accomplishments

Tampa Electric's Ground Line Pole Inspection Program was conducted by four contracted companies who inspected a total of 63,454 poles. There were 3,334 failures, 3,161 overloaded, and 72 reinforced distribution and lighting wood poles. Of the 2,820 transmission poles inspected 21 failed. Tampa Electric's spending levels for the Ground Line Pole Inspection Program, which included transmission, distribution and lighting pole reinforcements was \$2,579,543.

The 2016 Ground Line Pole Inspection Program results include:

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- There were no planned distribution and lighting pole inspections; however, 60,634 were completed.
- There were no planned transmission poles inspections; however, 2,820 were completed.
- 42,750 planned distribution, lighting, and transmission ground line pole inspections with a total of 63,454 completed.

Expenditures for the 2016 Ground Line Pole Inspection Program include:

- Distribution and lighting ground line pole inspections: \$2,165,663
- Transmission ground line pole inspections: \$46,655
- Distribution and lighting pole reinforcements: \$367,225

11)2017 Activities and Budget Levels

In August 2016, Tampa Electric identified a scheduling opportunity that would benefit overall reliability. This scheduling opportunity enabled the company to perform all of the transmission ground line inspections scheduled for 2017 and all of the 2017 distribution and lighting wood pole inspections. Due to overall inspection activities Tampa Electric is currently exceeding the number poles required to meet the eight-year inspection cycle for transmission, distribution and lighting wood pole inspections. For 2017, there are no planned ground line inspections. The ground line inspections will begin again in 2018.

Projected expenditures for the 2017 Ground Line Pole Inspection Program include:

- Distribution and lighting pole reinforcements: \$70,000

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

storm resilience of Tampa Electric's distribution, lighting and transmission poles.

12)Chromated Copper Arsenate Pole Inspections

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

SECTION IV - Rule 25-6.0455 FAC

A) 2016 Reliability Performance

1) Overview

Tampa Electric's 2016 distribution reliability indices showed improvement in SAIFI and most notably MAIFle which is the lowest it has ever been. In 2016, Tampa Electric's customers experienced fewer momentary breaker operations which resulted in this decrease in SAIFI and MAIFle. SAIDI, CAIDI, CEMI-5 and L-Bar indices showed unfavorable results in 2016, as compared to 2015. One of the main contributing factors to these unfavorable results were a series of severe summer thunderstorms that the Tampa Electric service area experienced from July 11, 2016 through July 17, 2016. Five of the 2016 top ten most unfavorable CMI days were experienced during this period. For this period alone, the company's service area experienced a total CMI of 7,607,481 which resulted in reliability indices impacts of 10.41

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minutes to SAIDI, 132.56 minutes to CAIDI and 329.94 minutes to L-Bar. During this high-impact week, Tampa Electric also experienced extenuating application issues on the company's Outage Management System ("OMS") and Computer Aided Dispatch Systems ("CAD") that hindered dispatchers and field worker's responsiveness, resulting in delayed outage response times. This manual processing of outage tickets resulted in delayed restoration times. The root cause of the issue with OMS and CAD was identified and corrected shortly after this particular week.

2) Summary

Tampa Electric's actual 2016 SAIDI increased by 17.01 minutes as compared to 2015 representing a 20.56 percent increase. The adjusted 2016 SAIDI increased by 4.31 minutes as compared to 2015 representing a 5.45 percent increase. Actual 2016 CAIDI increased by 12.99 minutes as compared to 2015 representing a 19.36 percent increase. The adjusted 2016 CAIDI increase by 5.86 minutes as compared to 2015 representing a 7.62 percent increase. Actual 2016 SAIFI increase by 0.02 average events as compared to 2015 representing a 1.63 percent increase. The adjusted 2016 SAIFI decreased by 0.02 average events as compared to 2015 representing a 1.94 percent decrease. Actual 2016 MAIFLe increased by 1.02 events as compared to 2015 representing a 9.74 percent increase. Adjusted 2016 MAIFLe decreased by 0.02 events as compared to 2015 representing a 0.21 percent decrease. A summary table of Tampa Electric's reliability performance for 2016 as compared to 2015 is below on the next page:

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Tampa Electric's 2016 Reliability Performance Summary				
Actual	2015	2016	Difference	Percent Change
SAIDI	82.75	99.76	17.01	20.56%
CAIDI	67.08	80.07	12.99	19.36%
SAIFI	1.23	1.25	0.02	1.63%
MAIFle	10.47	11.49	1.02	9.74%
L-Bar	174.94	211.00	36.06	20.61%
CEMI-5	1.42%	1.18%	-0.24	-16.90%
Adjusted	2015	2016	Difference	Percent Change
SAIDI	79.12	83.43	4.31	5.45%
CAIDI	76.92	82.78	5.86	7.62%
SAIFI	1.03	1.01	-0.02	-1.94%
MAIFle	9.60	9.58	-0.02	-0.21%
L-Bar	179.43	202.57	23.14	12.90%
CEMI-5	0.81%	0.92%	0.11%	13.58%

Tampa Electric experienced a decrease of 343 overall outages in 2016 as compared to 2015. Eight primary outage causes in 2016 had a decrease in outages and three primary causes had an increase in outages as compared to 2015. The following eight primary causes had a decrease of 521 outages as compared to 2015:

- Vegetation decreased by 105
- Lightning decreased by 28
- Animals decreased by 143
- Electrical decreased by 131
- Bad Connection decreased by 35
- Down Wire decreased by 19
- Vehicle decreased by 34
- Defective Equipment decreased by 26

The following three primary causes had an increase of 178 outages as compared to 2015:

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- Unknown increased by 139
- Other Weather increased by 17
- All Remaining Causes increased by 22

This decrease in overall outages supported a decrease in the total number of outages in 2016 as compared to the last five-year average. In comparison to the last five-year average, Tampa Electric experienced 349 less events in 2016 representing a 3.66 percent decrease. For the 2016 outage causes, five of the eleven categories are lower when compared to the five-year average totals. Here is the listing of how the eleven categories changed as compared to the five-year average:

- Animals decreased by 31.63 percent
- Bad Connection decreased by 2.78 percent
- Defective Equipment decreased by 21.31 percent
- Down Wire increased by 7.72 percent
- Electrical decreased by 9.92 percent
- Lightning increased by 9.16 percent
- Other Weather decreased by 18.30 percent
- Unknown increased by 11.90 percent
- Vegetation increased by 3.22 percent
- Vehicle increased by 10.33 percent
- All Remaining Causes increased by 17.22 percent

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

Tampa Electric continues reviewing system performance and related metrics

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on a daily basis. Primary areas of focus include incremental and year-to-date semi-weekly SAIDI, CAIDI and SAIFI performance for Transmission, Substation and Distribution, year-to-date MAIFLe and associated breaker operations, customer outages by system and service area and major unplanned outages. In addition, Tampa Electric reviews the status of de-energized underground cables, reclosers, online capacitor banks and street lights previously identified as needing maintenance.

In 2016, Tampa Electric continued the company's increased focus on the priority of feeder restoration activities. One example of this priority is the review and report of lessons learned on feeder outages where the outage duration exceeded acceptable thresholds. This review and report is done semi-weekly in pursuit of continued improvements with response time.

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

3) Conclusion

In 2016, Tampa Electric customers experienced a decrease in the number of outages and the momentary average interruption frequency as compared to 2015.

B) Generation Events – Adjustments

Tampa Electric experienced no outages due to generation events that would have impacted Distribution Reliability. Because of this, there are no exclusions in the company's 2016 Annual Distribution Reliability Report related to generation outage events.

C) Transmission Events - Adjustments

1) Transmission Outage Summary

In 2016, there were 13 transmission outages that affected customers. These transmission outages included seven outages that were due to equipment failures, three outages due to inclement weather and lightning, one outage due to human error and two outages due to bird/nest fouling. A total of 1,443,574 CMI and 75,314 Customer Interruptions (“CI”) were excluded from the 2016 Annual Distribution Reliability Report per Rule 25-6.0455.

2) Equipment Failure Outages

There were seven outages attributed to insulator, static wire, switch, and equipment failures in 2016. The repair or replacement of structures and associated components has been identified and prioritized.

3) Vehicle Collision Outages

There were no outages due to vehicle collisions in 2016.

4) Human Error Outages

There was one outage due to human error in 2016. Appropriate training has been administered and procedures implemented to prevent recurrence.

5) Vegetation Related Outages

There were no outages due to vegetation in 2016. Tampa Electric Lineman have been instructed to report vegetation growth that is in close proximity with the conductor. Once a location is identified, the Line Clearance Department will be contacted to perform the necessary vegetation management. This has been an effective mitigation.

6) Animal Related Outages

There were two outages related to animals in 2016. Both events were caused by birds coming into contact with the circuit.

7) Clearance Outages

There were no outages due to insufficient clearance in 2016.

8) Other and Weather Outages

There were three weather related outages in 2016.

9) Transmission Outage Detail

69 kV Circuit

January 2016

Date: 1/22/2016 Circuit: 66035

Customers Affected: 7,106 SAIDI Impact: 14.91 seconds

Discussion: Service was interrupted when a static wire failed. The wire was replaced and the circuit was returned to service.

Event: Localized

February 2016

Date: 2/21/2016 Circuit: 66840

Customers Affected: 2,478 SAIDI Impact: 0.23 seconds

Discussion: Service was interrupted when a static wire failed on another utility's end of the circuit. The wire was replaced and the circuit was returned to service.

Event: Localized

March 2016

Date: 3/16/2016 Circuit: 66658

Customers Affected: 414 SAIDI Impact: 0.04 seconds

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

Event: Localized

May 2016

Date: 5/24/2016 Circuit: 66062

Customers Affected: 5,994 SAIDI Impact: 0.74 seconds

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

Event: Localized

Date: 5/27/2016 Circuit: 66084

Customers Affected: 7,945 SAIDI Impact: 1.44 seconds

Discussion: Service was interrupted when a clearance device was switched in an improper sequence. The appropriate procedures have been implemented in order to prevent this from happening again. The circuit was returned to service without issue.

Event: Localized

June 2016

Date: 6/1/2016 Circuit: 66027

Customers Affected: 21,188 SAIDI Impact: 2.99 seconds

Discussion: Service was interrupted due to weather in the area. The weather passed and the circuit returned to service.

Event: Localized

Date: 6/30/2016 Circuit: 66426

Customers Affected: 8,296 SAIDI Impact: 1.37 seconds

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Discussion: Service was interrupted due to weather in the area. The weather passed and the circuit was returned to service.

Event: Localized

August 2016

Date: 8/9/2016 Circuit: 66067

Customers Affected: 338 SAIDI Impact: 0.07 seconds

Discussion: Service was interrupted when an insulator broke and the phase fell. The insulator was replaced and the circuit was returned to service.

Event: Localized

Date: 8/10/2016 Circuit: 66407 and 66419

Customers Affected: 4,154 SAIDI Impact: 7.06 seconds

Discussion: Service was interrupted due to weather in the area. The weather passed and the circuit was returned to service.

Event: Localized

September 2015

Date: 9/29/2016 Circuit: 66838

Customers Affected: 4,782 SAIDI Impact: 3.03 seconds

Discussion: Service was interrupted due to a static wire failing. The static was repaired and the circuit was returned to service.

Event: Localized

138 kV Circuit

November 2016

Date: 11/13/2016 Circuit: 138003

Customers Affected: 5,076 SAIDI Impact: 74.35 seconds

Discussion: Service was interrupted due to a failed static wire. The

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static wire was repaired and the circuit returned to service.

Event: Localized

Date: 11/23/2016 Circuit: 138003

Customers Affected: 7,000 SAIDI Impact: 9.67 seconds

Discussion: Service was interrupted due to a motor operated switch that wouldn't open fully. The switch was opened manually and the circuit returned to service. The switch is scheduled to be replaced.

Event: Localized

Date: 12/11/2016 Circuit: 138003

Customers Affected: 543 SAIDI Impact: 2.26 seconds

Discussion: Service was interrupted due to a failed static wire. The static wire was repaired and the circuit returned to service.

Event: Localized

230 kV Circuit

There were no outages on the 230kV circuits in 2016.

D) Extreme Weather

Tampa Electric experienced no extreme weather events during 2016 which affected the transmission customers in the company's service territory.

E) Other Distribution – Adjustments

In 2016, there were 2,798 Other distribution outages that affected customers. A total of 5,233,210 CMI and 124,197 CI were excluded from the 2016 Annual Distribution Reliability Report per Rule 25-6.0455. All outages were attributed to planned events as noted within the 2016 Adjustments: Other Distribution in Appendix.

F) Distribution Substation

1) 2016 Distribution Substation Adjustments

In 2016, there were 230 Distribution Substation outages that affected customers. A total of 11,901,340 CMI and 240,887 CI were excluded from the 2016 Annual Distribution Reliability Report per Rule 25-6.0455. All outages were attributed to substation equipment as noted within the 2016 Adjustments: Distribution Substation in Appendix B.

2) Patterns and Trends - Distribution Substation Reliability Performance

In 2016, Substation outages due to relay and control contributed the most to SAIDI. Tampa Electric currently has a program in place to upgrade circuit protection relaying. Since 2008, the total number of 13 kV circuit breakers that have been replaced through a 13 kV circuit breaker replacement program is 197. In 2016, 34 circuit breakers and associated circuit protection relaying were replaced as part of the company's capital asset replacement program.

In 2016, Substation outages due to animal contact were the second leading contributor to SAIDI. Tampa Electric has installed animal protection on 62 percent of the company's substation equipment. Tampa Electric is currently implementing the strategy developed in 2016 to complete installation of animal protection on the remaining portion of substation equipment.

The third leading contributor to SAIDI can be attributed to bushing failures. Most of the bushing failures were the 13 kV bushings on distribution transformers. Bushings are tested for capacitance and power factor. Bushings are replaced if the capacitance values degrade beyond safe operating values.

3) Process to Promote Substation Reliability

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

- Quarterly inspections of all substations
- Root cause analysis of each outage
- Track and review of all substation outages

Tampa Electric findings support the following ongoing activities:

- Review of all misoperation of breakers
- Installation of animal protection in substations
- Install microprocessor based relays for reclosing in all new construction and upgrade projects
- Replace station wide static under frequency relays with feeder based microprocessor under frequency relays in all new construction projects
- Replacing 13 kV circuit breakers that have been identified as problem breakers
- Increased lightning withstand protection on Tampa Electric Large Autotransformers
- An improved standard of all polymer/composite bushings on all new transformers and circuit breakers

In addition to the above activities, Tampa Electric has implemented automatic bus restoration schemes in select stations with multiple transformers. The tables and exhibits that follow provide the performance results for distribution substations.

Table 1: Distribution Substation Inspections by Year

Year	Number of Distribution Substation Inspections
2012	520
2013	527
2014	396
2015	377
2016	361

Exhibit 1: 2016 Distribution Substation Outages

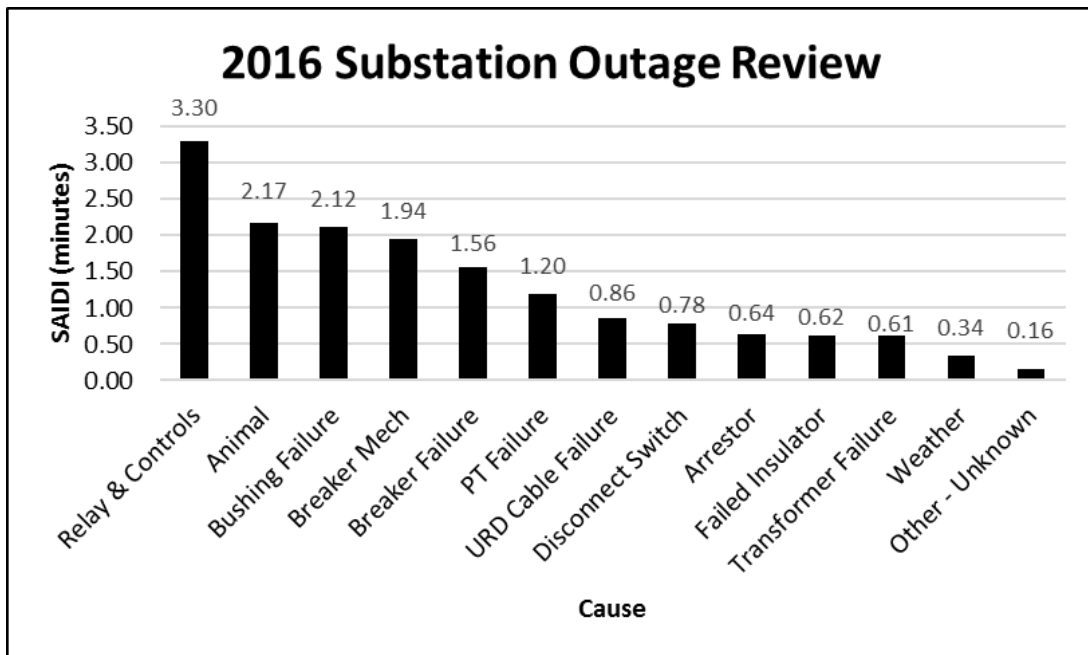


Exhibit 2: 2015 Distribution Substation Outages

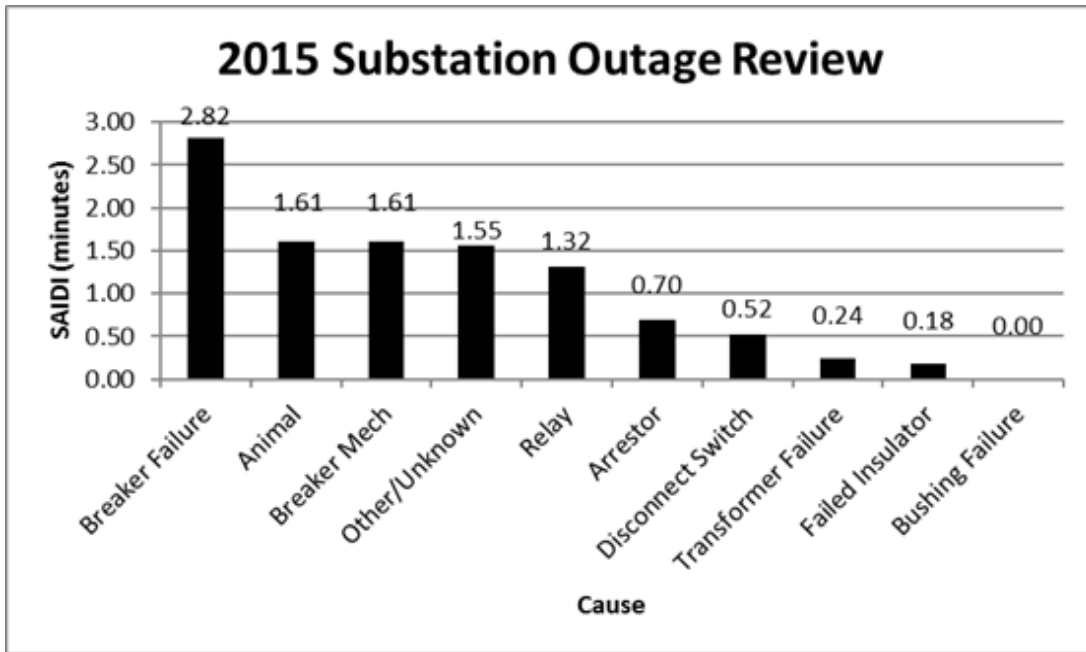


Exhibit 3: 2014 Distribution Substation Outages

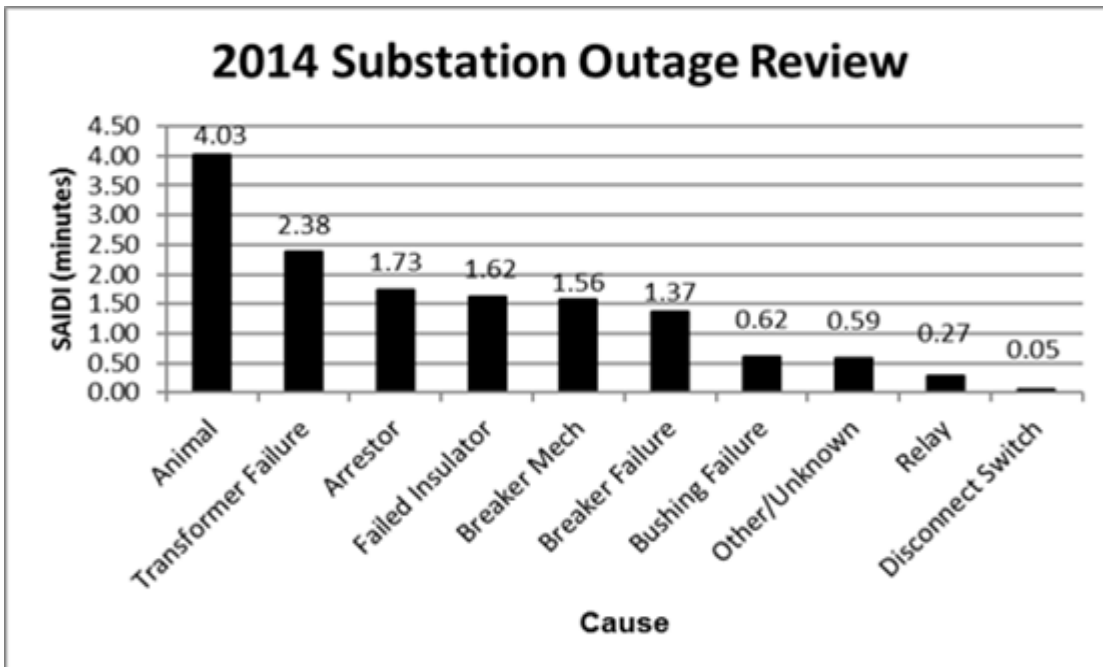


Exhibit 4: 2013 Distribution Substation Outages

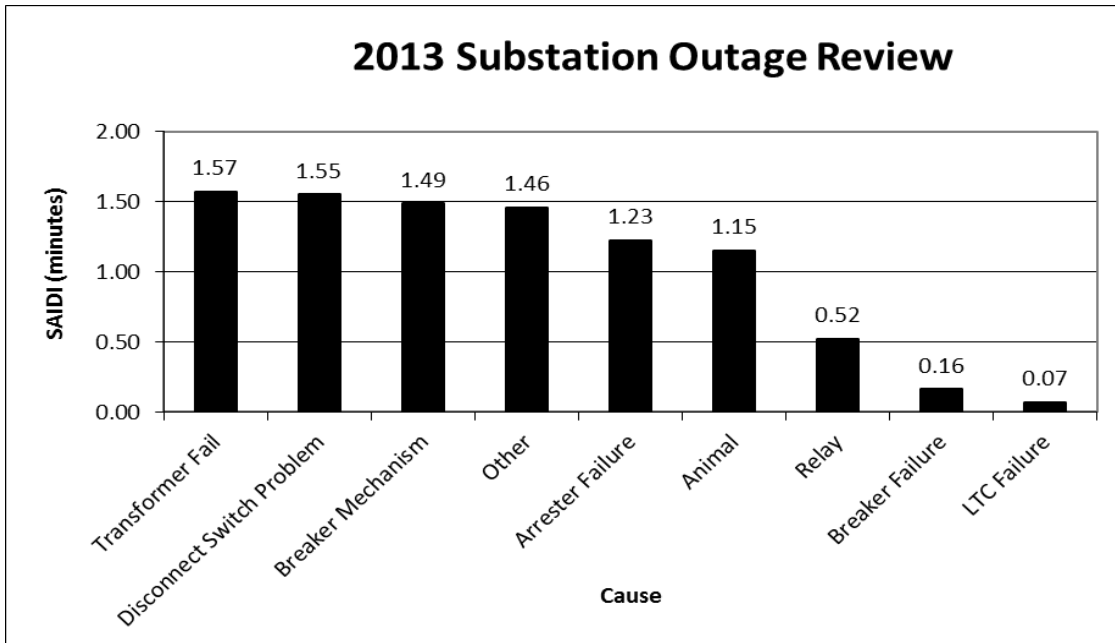


Exhibit 5: 2012 Distribution Substation Outages

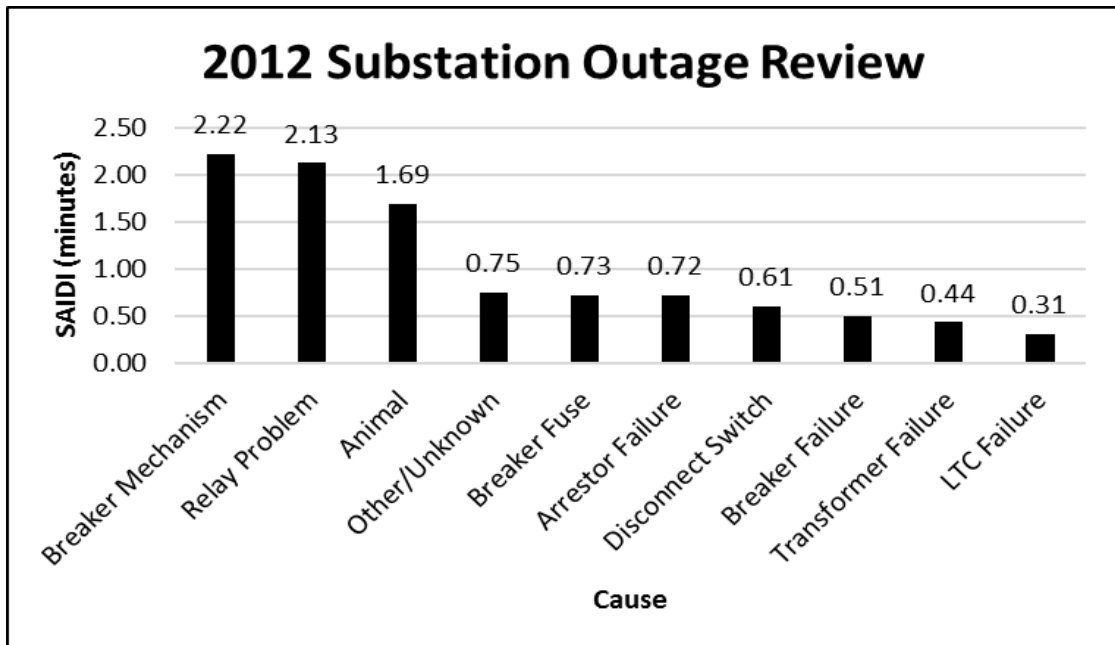


Exhibit 6: Substation Outages due to Relay and Control

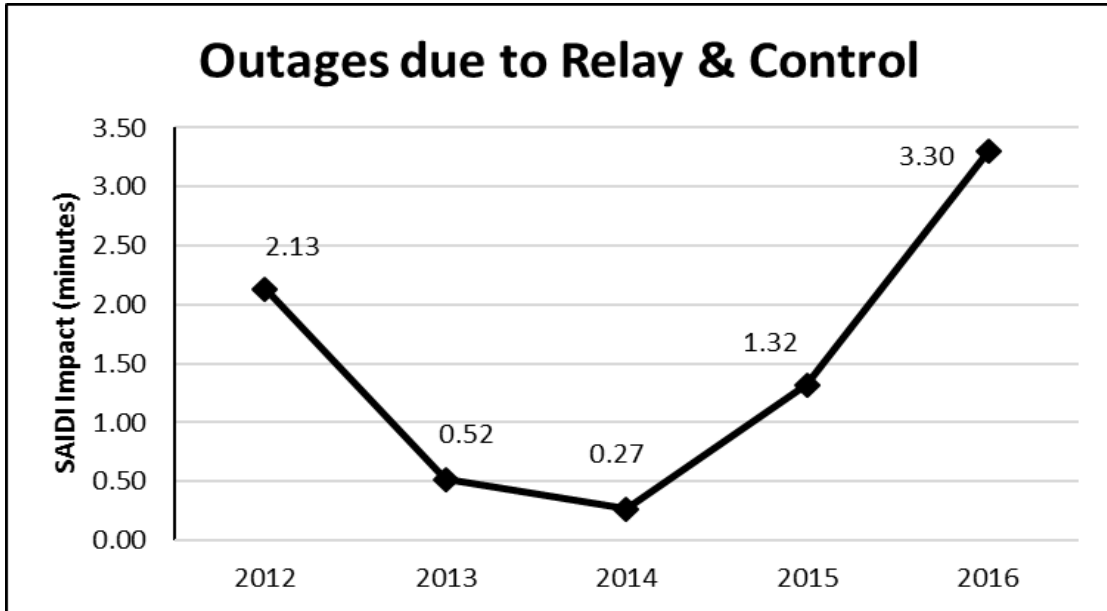


Exhibit 7: Substation Outages due to Animal Contact

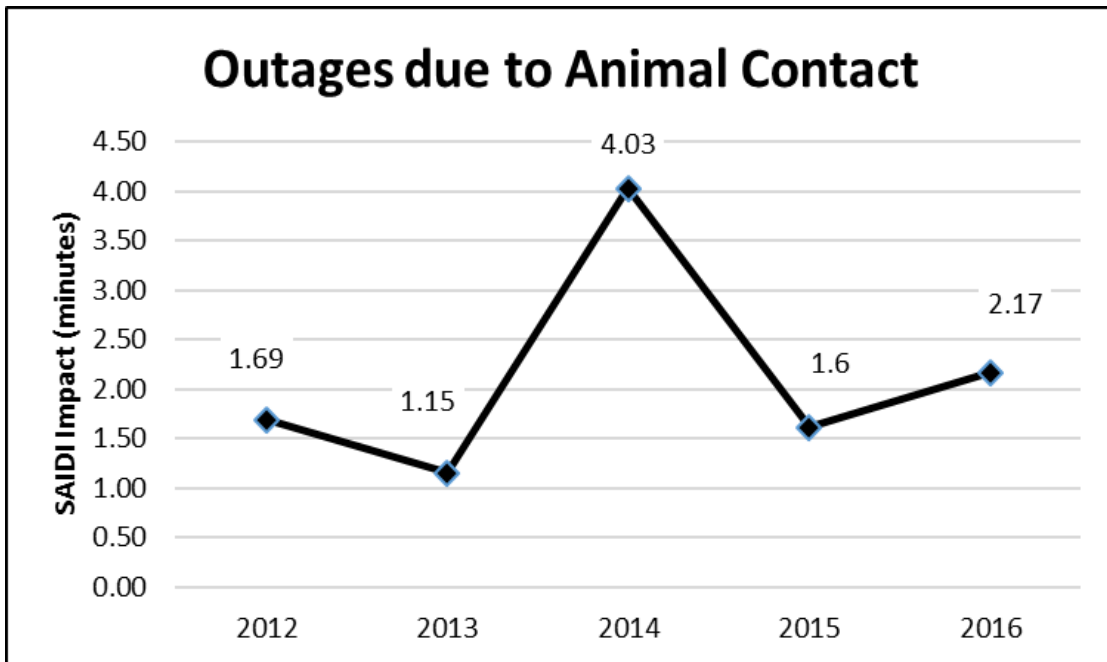
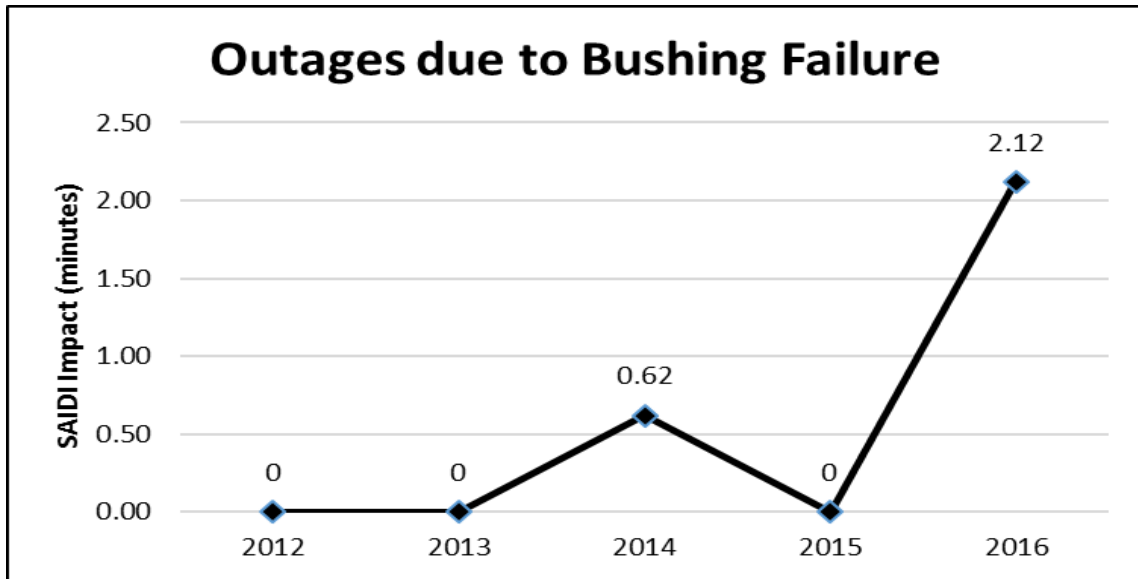


Exhibit 8: Substation Outages due to Bushing Failure



G) 2016 Adjusted Distribution Reliability

1) Causes of Outages

Table 2: Cause of Outage Events by Year

	2012	2013	2014	2015	2016
Vegetation	1,677	1,959	1,974	2,064	1,959
Animals	1,736	1,918	1,483	1,321	1,178
Lightning	1,327	1,639	1,917	1,779	1,751
Electrical	1,068	1,154	1,256	1,184	1,053
Bad Connection	905	837	856	875	840
Unknown	779	892	850	792	931
Down Wire	525	599	512	563	544
Vehicle	315	306	343	397	363
Other Weather	260	261	209	166	183
Defective Equipment	181	206	164	170	144
All Remaining Causes	215	187	182	223	245
System Totals	8,988	9,958	9,746	9,534	9,191

2) Three Percent Feeder

In 2016, Tampa Electric has identified five circuits that have been listed once before in the prior five years. These circuits include Pearson Road 13687, Fern Street 13042, Fort King 13006, Riverview 14023 and Seneca 13593.

Actual events for Pearson Road 13687 included eight circuit outages as reported. The company completed corrective activities on this circuit in 2016 by performing the following: replaced leaking transformers, replaced overhead cable, replaced bad cutout, replaced underground cables, replaced cross arms and braces, inspected and checked the wire and replaced insulators.

Actual events for Fern Street 13042 included seven circuit outages as reported. The company completed corrective activities on this circuit in 2016 by replacing poles.

Actual events for Fort King 13006 included six circuit outages as reported. The company completed corrective activities on this circuit in 2016 by performing vegetation management and conducting a complete circuit tree trim and by replacing poles.

Actual events for Riverview 14023 included six circuit outages as reported. The company completed corrective activities on this circuit in 2016 by performing the following: replaced bad cutouts, replaced blown lightning arrestors, and replaced cross arms and braces.

Actual events for Seneca 13593 included five circuit outages as reported. The company completed corrective activities on this circuit in 2016 by performing the following: replaced a pole, inspected and retightened two phases back

onto an insulator, replaced a service, replaced an underground cable and repaired an underground service.

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

H) Regional Reliability Indices

1) Summary

Table 3 below represents customer by service area for 2016. Dade City, Plant City, and Winter Haven have the fewest customers and represent the most rural, lowest customer density per line mile in comparison to the other four Tampa Electric service areas. Actual reliability indices for the rural areas have varied from those of the most urban, densely populated areas for this period. This is due to the greater distance travel for service restoration in rural areas.

In 2016, SAIDI by service areas decreased, as compared to 2015, in all areas except for Eastern, South Hillsborough, Western, and Winter Haven service areas as shown in Table 4 below. The 2016 SAIDI performance for five out of seven service areas improved and was lower than the five-year average. South Hillsborough and Western service areas SAIDI performance was higher than the five-year average. Actual results by service areas and year have varied for the five-year period.

Table 5 below represents CAIDI by Service Area per Year. The 2016 CAIDI performance, as compared to 2015, shows an improvement for all service areas except for the Central, Eastern, Plant City and Winter Haven service

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areas. The CAIDI five-year average was higher for all services areas, except for Central, Eastern, Dade City, South Hillsborough, and Western which showed improvement in the CAIDI five-year average. Actual results by service areas and year have varied for the five-year period.

In 2016, SAIFI performance, as compared to 2015, for Central, Dade City, and Plant City service areas improved as shown in Table 6 below. SAIFI performance in the Eastern, South Hillsborough, Western, and Winter Haven service areas declined as compared to the 2015 results. Three out of seven service areas showed improvement in the five-year SAIFI average. The Eastern, South Hillsborough, Western, and Central service areas showed a decrease in performance in the five-year SAIFI average.

In 2016, MAIFLe performance, as compared to 2015, in all service areas improved except for the Eastern, Plant City, South Hillsborough, and Western service areas as shown in Table 7 below. All service areas except for the Central, Dade City, Eastern, Plant City, Western and Winter Haven areas had improved MAIFLe performance when compared to the five-year average.

2) Regional Reliability Trends

Table 3: Number of Customers by Service Area per Year

	2012	2013	2014	2015	2016
Central	185,005	188,161	190,459	193,436	196,431
Dade City	13,822	13,965	14,165	14,372	14,492
Eastern	111,069	113,053	115,122	117,268	119,286
Plant City	55,472	56,438	57,220	58,472	59,381
South Hillsborough	64,530	67,071	69,431	72,340	75,450
Western	191,083	193,320	196,085	198,224	199,891
Winter Haven	67,735	68,529	69,687	70,799	71,888
System	688,716	700,537	712,169	724,911	736,819

Table 4: SAIDI by Service Area per Year

	2012	2013	2014	2015	2016
Central	75.88	69.51	62.95	69.57	63.10
Dade City	161.12	260.65	206.10	199.20	153.43
Eastern	56.76	92.53	76.33	67.28	85.28
Plant City	109.73	130.57	116.88	116.91	112.79
South Hillsborough	89.70	93.59	74.22	86.24	104.28
Western	77.48	75.24	81.39	77.79	81.26
Winter Haven	66.76	61.42	76.58	65.74	81.71
System	78.07	85.05	79.80	79.12	83.43

Table 5: CAIDI by Service Area per Year

	2012	2013	2014	2015	2016
Central	88.10	87.53	79.05	65.78	73.82
Dade City	96.56	94.81	87.37	103.99	85.64
Eastern	78.07	106.37	79.62	74.61	85.81
Plant City	82.02	87.35	79.37	80.18	93.66
South Hillsborough	84.83	84.18	87.83	78.44	76.97
Western	95.79	87.84	94.24	87.04	86.01
Winter Haven	66.14	75.76	82.69	70.64	86.82
System	85.55	89.43	84.54	76.92	82.78

Table 6: SAIFI by Service Area per Year

	2012	2013	2014	2015	2016
Central	0.86	0.79	0.80	1.06	0.85
Dade City	1.67	2.75	2.36	1.92	1.79
Eastern	0.73	0.87	0.96	0.90	0.99
Plant City	1.34	1.49	1.47	1.46	1.20
South Hillsborough	1.06	1.11	0.85	1.10	1.35
Western	0.81	0.86	0.86	0.89	0.94
Winter Haven	1.01	0.81	0.93	0.93	0.94
System	0.91	0.95	0.94	1.03	1.00

Table 7: MAIFle by Service Area per Year

	2012	2013	2014	2015	2016
Central	10.17	10.01	8.31	8.46	7.80
Dade City	15.76	17.42	19.84	17.95	14.65
Eastern	10.85	13.76	9.85	9.08	9.22
Plant City	19.84	17.80	15.08	11.80	13.35
South Hillsborough	11.21	12.87	8.73	11.03	12.76
Western	10.58	10.90	9.64	8.71	8.81
Winter Haven	9.98	12.56	11.36	11.07	9.67
System	11.36	12.16	10.04	9.59	9.58

Table 8: CEMI-5 by Service Area per Year

	2012	2013	2014	2015	2016
Central	0.44%	0.20%	0.83%	0.51%	0.96%
Dade City	3.66%	1.48%	5.94%	10.41%	2.72%
Eastern	0.37%	0.41%	0.33%	0.27%	0.47%
Plant City	0.90%	1.65%	1.37%	2.61%	2.15%
South Hillsborough	3.49%	0.84%	0.23%	0.82%	0.17%
Western	0.26%	0.33%	0.15%	0.42%	0.63%
Winter Haven	0.71%	0.01%	0.54%	0.15%	1.81%
System	0.79%	0.47%	0.63%	0.81%	0.92%

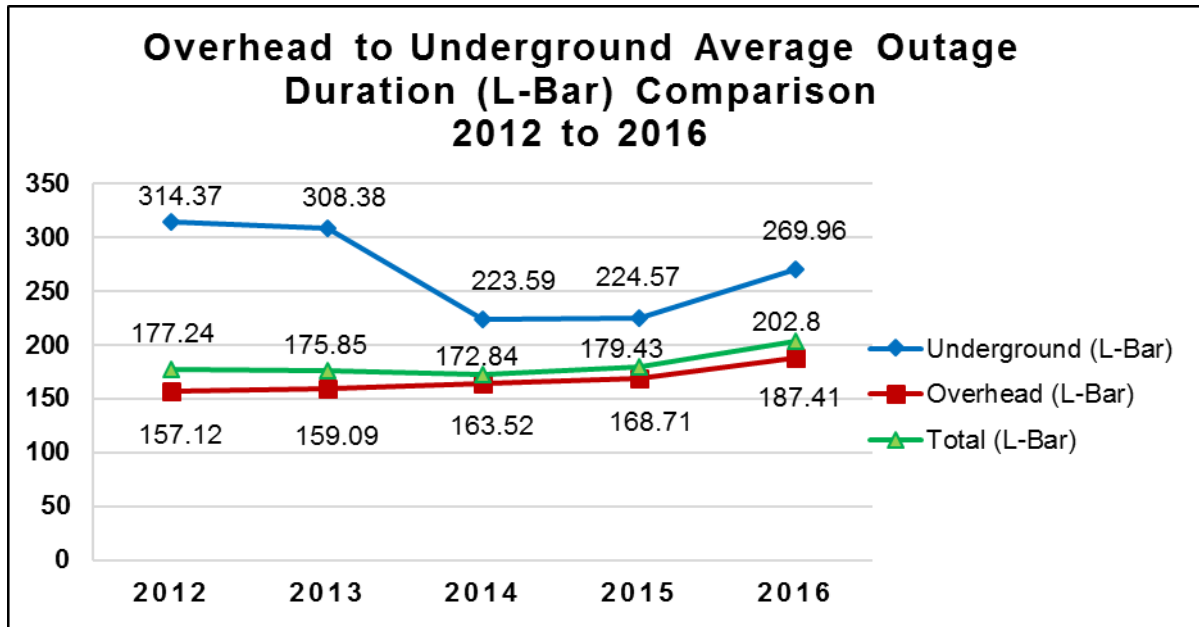
I) Overhead – Underground Reliability**1) Five-Year Trends - Reliability Performance****Table 9: Outages per Year**

System Totals	2012	2013	2014	2015	2016
Number of Outages Events (N)	8,988	9,958	9,746	9,534	9,191
System Average Duration (L-Bar)	177.24	175.85	172.84	179.43	202.80
Average Restoration Time (CAIDI)	85.55	89.43	84.54	76.92	82.78

Overhead	2012	2013	2014	2015	2016
Number of Outages Events (N)	7,838	8,840	8,233	7,705	7,490
Overhead Average Duration (L-Bar)	157.12	159.09	163.52	168.71	187.41
Average Restoration Time (CAIDI)	80.87	85.77	79.08	70.55	77.16

Underground	2012	2013	2014	2015	2016
Number of Outages Events (N)	1,150	1,118	1,513	1,829	1,701
Underground Average Duration (L-Bar)	314.37	308.38	223.59	224.57	269.96
Average Restoration Time (CAIDI)	277.23	261.46	132.80	139.73	138.93

Exhibit 9: Overhead to Underground Outage Duration



2) Tracking Overhead to Underground Reliability Performance

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

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

The company currently measures CEMI-5 through a query that is run through

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

3) Underground Distribution System Conversions

In 2016, Tampa Electric has continued to work with Dana Shores and several other parties, including the Hillsborough County Commission to finalize engineering, construction and funding plans for an overhead to underground conversion. The total cost for converting this overhead system to underground is projected to exceed \$3,000,000. This project is projected to start in 2018, if successful, this may become the model to fund overhead to underground conversions for other communities in Tampa Electric's service territory. This model ensures that the costs are incurred by the customers benefitting from the conversion, and not at the expense of other rate payers.

J) Reliability - Related Customer Complaints

In 2016, Tampa Electric experienced an increase of 37 formal service-related complaints as logged by the Florida Division of Consumer Affairs and noted in Exhibit 10 below. In addition, service-related complaints as tracked by the company and including FPSC Formal, Three-Day, Transfer-Connect, eWarm Transfer and Executive Level increased by 69 complaints in 2016 as noted in Exhibit 11 below. In comparison to the five-year average, overall complaints increased by 25.20 percent in 2016.

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

complaints in 2017 and beyond.

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

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

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

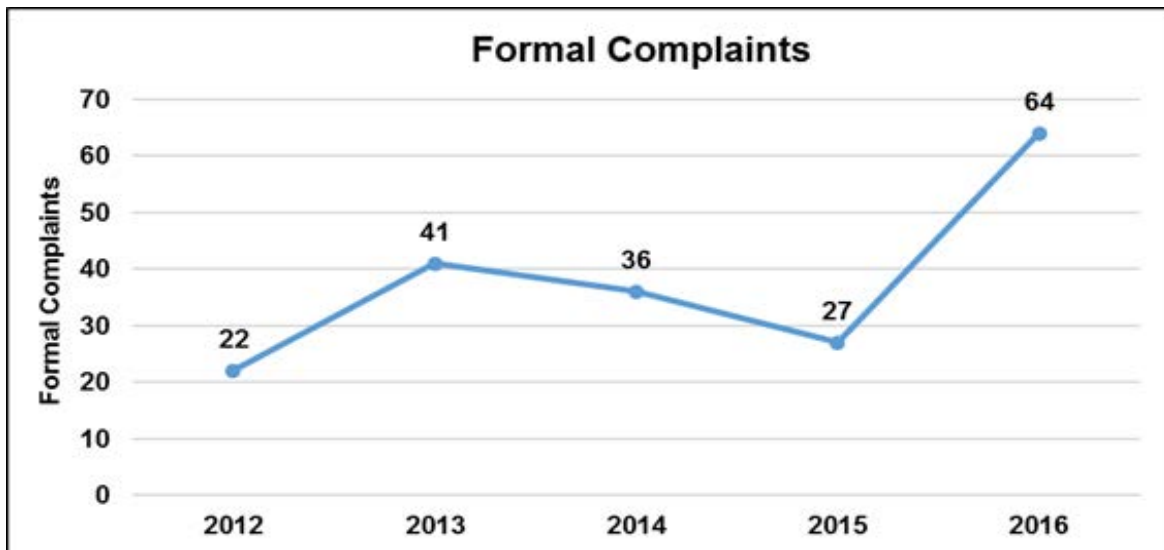


Exhibit 11: Tampa Electric Service Reliability Complaints by Year

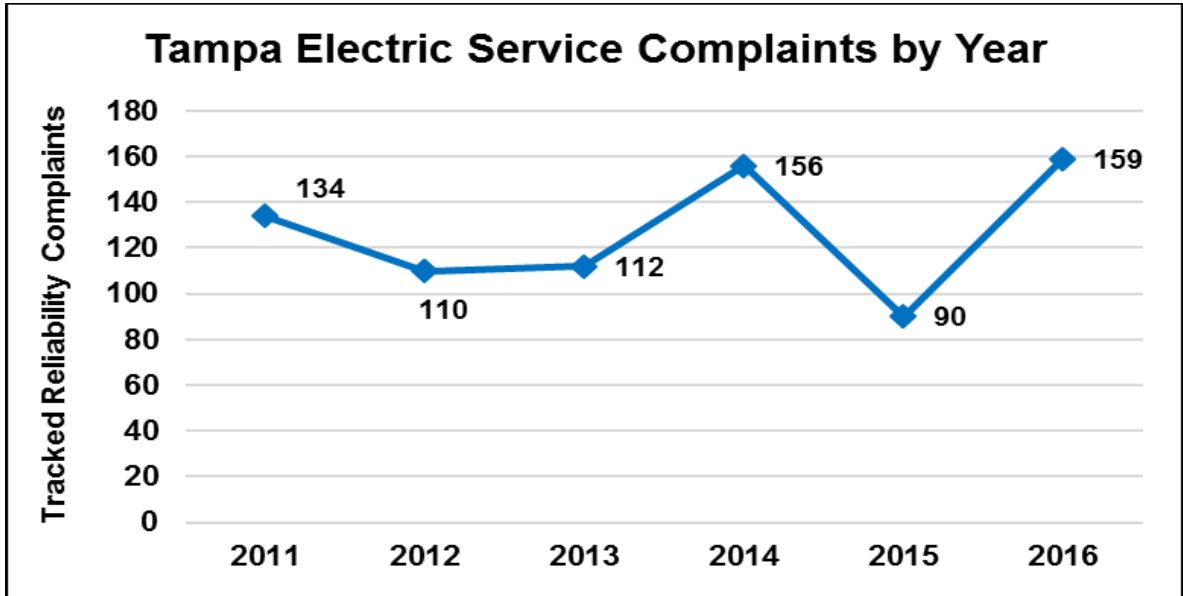


Exhibit 12: Formal Complaints vs. SAIDI by Year

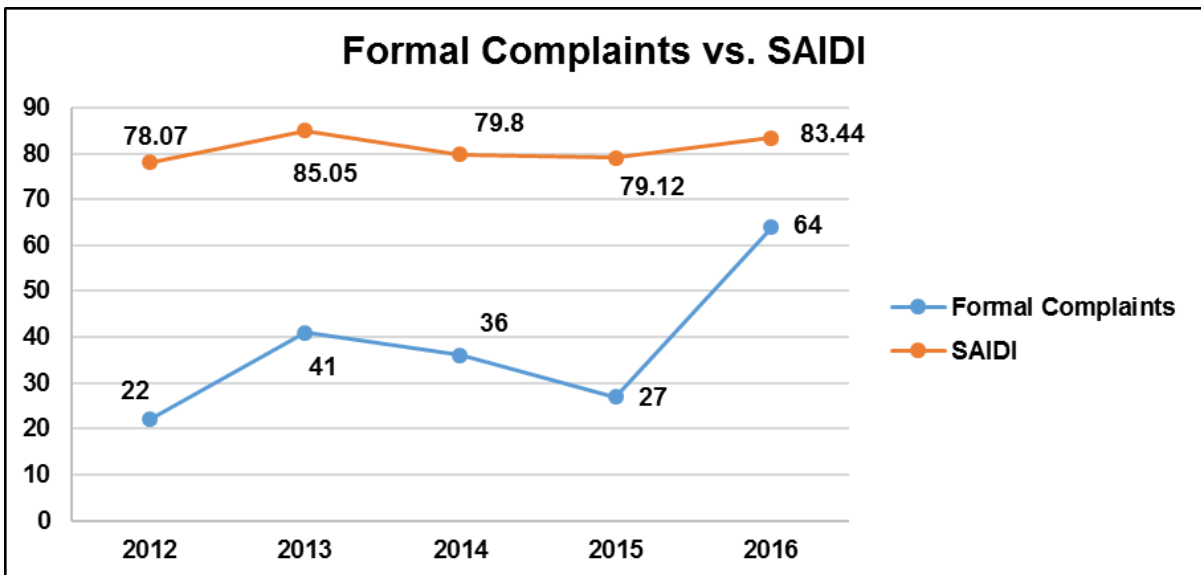
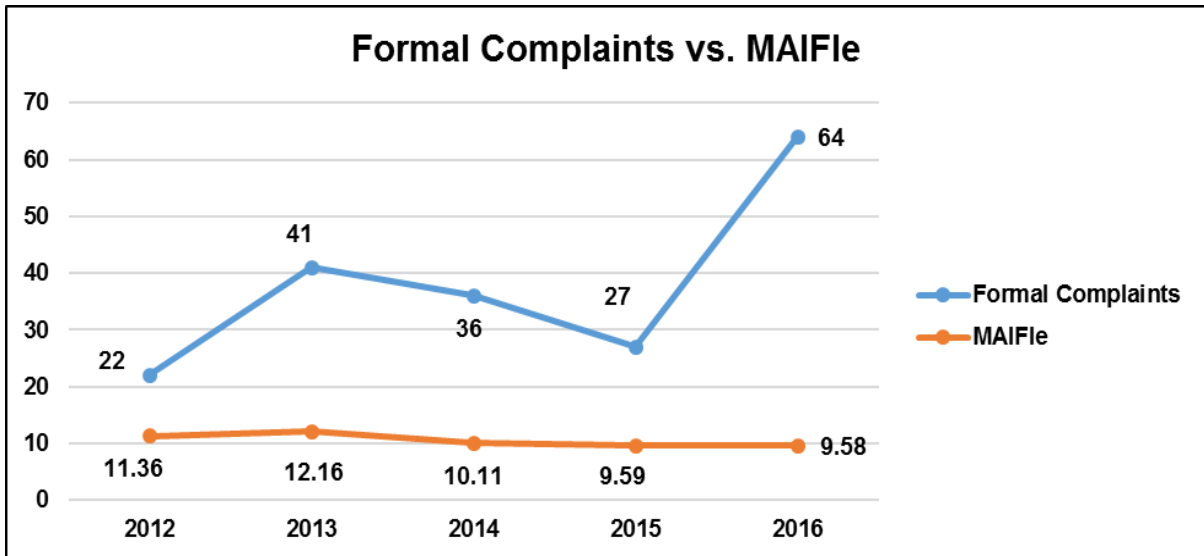


Exhibit 13: Formal Complaints vs. MAIFle by Year





APPENDIX

2016

STORM IMPLEMENTATION PLAN and ANNUAL RELIABILITY PERFORMANCE REPORTS

2016 Storm Implementation Plan and Annual Reliability Performance Reports

Appendix A)

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

Primary Causes of Outage Events			
Utility Name: Tampa Electric			Year: 2016
Cause (a)	Number of Outages Events (N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
Vegetation	2,252	219.92	105.43
Lightning	1,795	255.96	116.29
Animals	1,185	97.68	75.04
Electrical	1,084	203.16	81.19
Unknown	944	143.72	43.76
Bad Connection	863	250.41	129.28
Planned Outage	2,798	231.01	48.21
Down Wire	558	276.52	78.22
Vehicle	369	209.97	91.21
Other Weather	248	204.52	65.89
Human Interference	209	170.00	37.20
Defective Equipment	148	158.76	90.71
Unassigned	21	249.94	311.48
Customer Owned Equipment	14	181.47	9.97
Fire	14	146.10	74.42
Substation Equipment	14	49.10	35.94
Structure	12	231.14	56.57
Total	12,528	211.00	80.07

2016 Storm Implementation Plan and Annual Reliability Performance Reports

Form 102 – Part II – Actual

FPSC Annual Report - 3 Percent Feeder List - Actual

Primary Circuit Id. No. or Name	Station Origin	Location	Number of Customers			Circuit Outages "N" (0)	Avg. Duration "N" (0)	CAIDI "N" (0)	Lined Year? (0)	Years in the Last 5 (0)	Action Completion Date (0)
			Residential (0)	Commercial (0)	Industrial (0)						
13833	FOWLER	Central	607	17	2,344	631	153.44	85.93	No	0	12/01/2016, 01/20/2016, 09/07/2016, 09/25/2016, 03/30/16, 05/04/2016
13831	MULBERRY	Plant City	1,593	57	5,393	1,666	145.12	70.41	No	1	11/07/2016, 04/28/2016, 12/12/2016, 08/06/2016, 04/16/2016, 12/01/2016, 11/10/2016, 12/28/2016, 12/21/2016
13887	PEARSON RD	Eastern	1,524	51	1,294	1,578	273.33	110.27	No	1	02/12/2016, 08/29/2016, 07/18/2016, 08/16/2016, 10/07/2016, 05/19/2016, 02/01/2016, 08/15/2016, 08/29/2016
13777	MILLER MAC	South Hillsborough	989	30	2,462	1,066	8.29	17.12	No	0	01/16/2016, 04/22/2016, 03/21/2016, 08/10/2016
14275	SILVERDOR	Western	1,206	47	1,830	1,258	162.39	65.49	No	0	01/04/2016, 01/27/2016, 07/15/2016, 06/30/2016, 07/27/2016, 08/29/2016, 09/14/2016
13042	FERN ST	Central	1,800	117	8,216	1,722	204.59	65.20	Yes	1	08/29/2016, 06/27/2016, 03/21/2016, 05/02/2016
13028	TEMP TER	Central	1,849	121	3,947	1,962	175.28	45.49	No	0	09/13/2016, 11/22/2016, 03/22/2016, 08/13/2016, 08/16/2016
13729	BEL SHOL	Eastern	900	21	4,184	1,012	152.31	59.42	No	0	03/08/2016, 06/27/2016, 07/19/2017, 04/17/2016, 09/14/2016, 09/05/2016, 08/04/2016, 09/22/2016, 09/30/2016, 12/01/2016, 06/09/2016
13885	PEARSON RD	Eastern	1,315	105	4,544	1,403	162.41	64.47	No	0	02/12/2016, 02/17/2016, 12/01/2016, 03/01/2016, 01/04/2016, 02/17/2016, 01/04/2016
13419	JUNEAU	Central	1,072	94	5,413	1,182	144.39	40.61	No	0	03/03/2016, 07/21/2016, 04/28/2016, 12/08/2016, 05/11/2016, 11/04/2016, 10/12/2016, 05/06/2016, 09/05/2016, 08/07/2016
13006	FORT KING	Dade City	1,602	136	8,368	1,763	187.67	95.28	No	3	03/14/2016, 07/11/2016, 07/12/2016, 08/17/2016, 12/08/2016
13793	ST CLOUD	Eastern	1,606	45	3,395	1,662	202.78	30.39	No	0	08/14/2016, 11/15/2016, 08/29/2016, 02/01/2016, 07/12/2016, 08/17/2016, 12/08/2016
13489	DEL WEBB	South Hillsborough	405	86	17,936	532	140.46	41.03	Yes	0	03/14/2016, 07/11/2016, 07/21/2016, 08/07/2016
14023	RIVERVIEW	South Hillsborough	624	32	2,291	863	176.04	41.67	No	1	07/29/2016, 08/07/2016
13112	MANHATTAN AV	Western	1,497	122	8,377	1,642	201.77	36.09	No	0	03/06/2016, 03/22/2016, 04/05/2016, 08/27/2016, 05/21/2016, 08/05/2016, 03/26/2016, 03/26/2016, 08/24/2016, 08/03/2016, 12/30/2016, 12/30/2016, 12/30/2016, 12/30/2016, 11/16/2016
13178	11TH AVE	Central	55	88	16,748	193	255.12	60.99	No	2	07/20/2016, 05/31/2016, 07/09/2016, 05/05/2016, 08/01/2016, 03/01/2016
13417	JUNEAU	Central	529	146	11,235	710	97.75	14.99	No	0	02/28/2016, 07/27/2016, 09/14/2016, 08/17/2016, 08/10/2016, 03/21/2016, 08/15/2016, 08/20/2016
13630	PINE LAKE	Central	831	171	10,396	1,130	116.63	25.44	No	0	04/25/2016, 04/21/2016, 08/04/2016, 04/21/2016, 07/29/2016, 01/04/2016, 10/25/2016
13030	PLYMOUTH ST	Central	831	116	9,515	1,073	184.12	72.13	No	0	12/07/2016, 09/23/2016, 05/13/2016, 04/29/2016, 08/20/2016
13593	SENECA	Central	666	112	7,688	789	294.03	53.12	No	1	05/03/2016, 06/11/2016, 04/26/2016, 05/05/2016, 01/30/2016
13331	DADE CITY	Dade City	1,118	181	7,650	1,322	185.57	112.83	No	1	10/18/2016
13710	BUCKHORN	Eastern	2,851	116	3,487	2,697	225.74	61.05	No	0	05/02/2016, 02/12/2016, 08/08/2016, 07/05/2016, 07/05/2016
13505	SR 574	Eastern	966	55	4,559	1,033	150.68	41.04	No	0	05/10/2016, 04/26/2016, 03/28/2016, 05/15/2016, 02/27/2016, 10/10/2016, 06/30/2016
13956	SR 60	Eastern	3,199	298	15,870	3,516	261.28	102.55	No	0	07/27/2016, 12/07/2016, 12/07/2016, 03/28/2016
13983	CORONET	Plant City	812	40	3,294	864	215.93	39.89	No	0	08/08/2016, 05/29/2016, 05/13/2016, 06/16/2016, 06/30/2016, 09/29/2016, 12/05/2016, 11/04/2016, 07/22/2016, 02/03/2016
14123	FISHAWK	Plant City	1,025	49	1,830	1,079	156.40	61.47	No	0	12/08/2016, 12/21/2016, 07/30/2016, 01/06/2016, 03/09/2016, 12/19/2016, 11/11/2016, 05/21/2016, 02/28/2016, 08/17/2016, 03/06/2016, 04/03/2016, 08/24/2016, 03/13/2016, 10/31/2016, 03/21/2016
14020	RIVERVIEW	South Hillsborough	1,216	119	16,102	1,301	233.27	42.42	No	1	08/17/2016, 05/16/2016, 06/27/2016
13450	CYPRESS ST	Western	8	71	17,521	125	63.99	20.45	No	0	02/11/2016, 04/03/2016, 07/01/2016, 09/13/2016, 11/28/2016, 05/19/2016
13137	PADANA AV	Western	709	64	366	774	172.77	69.69	No	0	10/04/2016, 10/10/2016, 06/27/2016, 08/27/2016, 10/17/2016, 12/02/2016, 05/18/2016, 01/20/2016, 07/22/2016, 01/16/2016
13094	HIMES	Western	1,798	129	9,006	1,899	211.13	73.26	No	1	08/09/2016, 07/22/2016, 04/01/2016, 06/03/2016, 03/21/2016, 06/22/2016, 07/01/2016, 01/07/2016, 02/25/2016, 04/21/2016, 01/30/2016, 09/12/2016, 09/08/2016, 12/21/2016, 12/25/2016, 11/01/2016
13141	HOPE PARK	Western	860	107	10,210	1,065	193.78	51.66	No	N	02/05/2016, 06/16/2016, 05/16/2016, 08/29/2016, 01/29/2016, 12/15/2016, 04/14/2016, 07/12/2016
13111	MANHATTAN AV	Western	768	86	11,587	886	225.25	59.89	No	N	05/09/2016, 04/15/2016, 04/08/2016, 09/09/2016, 03/15/2016, 11/11/2016, 11/24/2016, 02/03/2016, 07/19/2016, 03/27/2016
13118	LAKE ALFRED	Winter Haven	1,839	150	7,327	2,013	141.56	49.17	No	1	08/22/2016, 04/04/2016, 04/02/2016, 02/23/2016, 07/14/2016, 04/07/2016, 07/02/2016, 08/12/2016, 04/29/2016, 04/18/2016

2016 Storm Implementation Plan and Annual Reliability Performance Reports

Form 102 – Part III – Actual

ANNUAL DISTRIBUTION RELIABILITY REPORT - 2016

Utility Name: Tampa Electric

SAIDI: System Average Interruption Duration Index

= <u>Sum of All Customer Minutes Interrupted (CMI)</u>	<u>73,504,932</u>	99.76
Total number of Customers Served (C)	736,819	

CAIDI: System Average Interruption Duration Index

= <u>Sum of All Customer Minutes Interrupted (CMI)</u>	<u>73,504,932</u>	80.07
Total number of Customer Interruptions (CI)	917,990	

SAIFI: System Average Interruption Frequency Index

= <u>Total number of Customer Interruptions (CI)</u>	<u>917,990</u>	1.25
Total number of Customers Served (C)	736,819	

MAIFle: Momentary Average Interruption Event

= <u>Sum of All Customer Momentary Interruption Events (CME)</u>	<u>8,465,162</u>	11.49
Total number of Customers Served (C)	736,819	

L-Bar:

= <u>Minutes of Interruption</u>	<u>2,643,661</u>	211.00
Total number of Outages	12,529	

District	C	CMI	CI	CME	# Cust > 5
Central	196,431	16,246,004	204,349	1,852,444	2,222
Dade City	14,492	2,698,042	35,045	267,759	400
Eastern	119,286	11,144,875	129,937	1,357,592	614
Plant City	59,381	7,462,528	90,967	943,160	1,914
South Hillsborough	75,450	8,547,739	127,577	1,115,829	552
Western	199,891	21,111,200	248,980	2,157,100	1,446
Winter Haven	71,888	6,294,544	81,135	771,278	1,520
System Total:	736,819	73,504,932	917,990	8,465,162	8,669

2016 Storm Implementation Plan and Annual Reliability Performance Reports

Form 102 – Part III continued – Actual

Service Reliability Indices - Actual					
Utility Name: Tampa Electric			Year: 2016		
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFle (e)	CEMI-5 % (f)
Central	82.71	79.50	1.04	9.43	1.13%
Dade City	186.17	76.99	2.42	18.48	2.76%
Eastern	93.43	85.77	1.09	11.38	0.51%
Plant City	125.67	82.04	1.53	15.88	3.22%
South Hillsborough	113.29	67.00	1.69	14.79	0.73%
Western	105.61	84.79	1.25	10.79	0.72%
Winter Haven	87.56	77.58	1.13	10.73	2.11%
System Total:	99.76	80.07	1.25	11.49	1.18%

Form PSC/ECR 102-3, Docket No. 011351-EI, Rule 25-6.0455(c)
 Note: L-Bar and CAIDI are expressed in minutes

Appendix B)

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

Causes of Outage Events - Adjusted			
Utility Name: Tampa Electric			Year: 2016
Cause (a)	Number of Outages Events (N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
1. Vegetation	1,959	213.95	102.06
2. Lightning	1,751	254.64	114.56
3. Animals	1,178	96.92	74.82
4. Electrical	1,053	202.01	80.76
5. Bad Connection	840	247.96	123.18
6. Unknown	931	143.90	42.91
7. Down Wire	544	279.83	79.45
8. Vehicle	363	211.27	91.26
All Remaining Causes	572	172.59	48.60
Total	9,191	202.57	82.78

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

2016 Storm Implementation Plan and Annual Reliability Performance Reports

FORM 103 - PART II - Adjusted

FPSC Annual Report - 3 Percent Feeder List - Adjusted

Table with columns: Primary Circuit Id. No. or Name, Substation Origin (b), Location (c), Residential (g), Commercial (g), Industrial (g), Total (g), Number of Customers, Circuit Outages 'N' (h), Avg. Duration 'L-Bar' (i), CADI (j), Listed Last Year? (k), Years in the Last 5 (l), Action Completion Date (m). Rows list various circuits like 13330 FOWLER, 13367 PEARSON RD, 13311 MULBERRY, etc.

2016 Storm Implementation Plan and Annual Reliability Performance Reports

Form 103 – Part III – Adjusted

**PART III
ANNUAL DISTRIBUTION RELIABILITY REPORT - 2015
Utility Name: Tampa Electric**

SAIDI: System Average Interruption Duration Index		
= <u>Sum of All Customer Minutes Interrupted (CMI)</u>	<u>61,475,319</u>	83.43
Total number of Customers Served (C)	736,819	
CAIDI: System Average Interruption Duration Index		
= <u>Sum of All Customer Minutes Interrupted (CMI)</u>	<u>61,475,319</u>	82.78
Total number of Customer Interruptions (CI)	742,669	
SAIFI: System Average Interruption Frequency Index		
= <u>Total number of Customer Interruptions (CI)</u>	<u>742,669</u>	1.01
Total number of Customers Served (C)	736,819	
MAIFle: Momentary Average Interruption Event		
= <u>Sum of All Customer Momentary Interruption Events (CME)</u>	<u>7,057,644</u>	9.58
Total number of Customers Served (C)	736,819	
L-Bar:		
= <u>Minutes of Interruption</u>	<u>1,861,802</u>	202.57
Total number of Outages	9,191	

District	C	CMI	CI	CME	# Cust > 5
Central	196,431	12,395,042	167,902	1,534,118	1,881
Dade City	14,492	2,223,553	25,965	212,330	394
Eastern	119,286	10,173,317	118,552	1,100,221	565
Plant City	59,381	6,697,862	71,514	792,470	1,279
South Hillsborough	75,450	7,868,138	102,221	962,446	130
Western	199,891	16,243,479	188,858	1,760,584	1,251
Winter Haven	71,888	5,873,928	67,657	695,475	1,303
System Total:	736,819	61,475,319	742,669	7,057,644	6,803

2016 Storm Implementation Plan and Annual Reliability Performance Reports

Form 103 – Part III continued – Adjusted

Service Reliability Indices - Adjusted					
Utility Name: Tampa Electric			Year: 2016		
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFle (e)	CEMI-5 % (f)
Central	63.10	73.82	0.85	7.81	0.96%
Dade City	153.43	85.64	1.79	14.65	2.72%
Eastern	85.28	85.81	0.99	9.22	0.47%
Plant City	112.79	93.66	1.20	13.35	2.15%
South Hillsborough	104.28	76.97	1.35	12.76	0.17%
Western	81.26	86.01	0.94	8.81	0.63%
Winter Haven	81.71	86.82	0.94	9.67	1.81%
System Total:	83.43	82.78	1.01	9.58	0.92%

Form PSC/ECR 102-3, Docket No. 011351-EI, Rule 25-6.0455(c)
 Note: L-Bar and CAIDI are expressed in minutes

2016 Storm Implementation Plan and Annual Reliability Performance Reports

Actual Data: CMI, CI and Documented Exclusions

2016	CMI		CI	
	Value	% of Actual	Value	% of Actual
Reported Actual Data	82,096,522.93	100%	1,188,156	100%
Documented Exclusions				
Planned Service Interruptions	5,233,210.15	6.37%	124,197	10.44%
Named Storm	2,043,080.31	2.49%	5,059	0.43%
Tornadoes	0.00	0.00%	0.00	0.00%
Ice on Lines	0.00	0.00%	0.00	0.00%
Planned Load Management Events	0.00	0.00%	0.00	0.00%
Generation/Transmission Events	13,344,913.47	16.26%	316,201	26.61%
Extreme Weather (EOC Activation/Fire)	0.00	0.00%	0.00	0.00%
Reported Adjusted Data	61,475,319.00	74.88%	742,699	62.43%

2016 Storm Implementation Plan and Annual Reliability Performance Reports

2016 Adjustments: Planned Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date	CMI Excluded	CI Excluded
OH_XFMR	PLANNED OUTAGE	1/1/2016 8:14:55 AM	221.90	6
UG_XFMR	PLANNED OUTAGE	1/1/2016 8:14:55 AM	37.63	1
UG_XFMR	PLANNED OUTAGE	1/1/2016 8:14:55 AM	37.50	1
Outage Events	PLANNED OUTAGE	1/1/2016 8:52:52 AM	750.80	6
OH_XFMR	PLANNED OUTAGE	1/2/2016 8:28:01 AM	150.62	1
ELBOW	PLANNED OUTAGE	1/2/2016 3:53:58 PM	487.17	10
OH_XFMR	PLANNED OUTAGE	1/4/2016 9:07:50 AM	3,003.45	9
OH_XFMR	PLANNED OUTAGE	1/4/2016 10:27:40 AM	457.40	6
OH_XFMR	PLANNED OUTAGE	1/4/2016 7:20:54 PM	701.30	3
OH_XFMR	PLANNED OUTAGE	1/5/2016 9:15:36 AM	316.25	1
OH Other	PLANNED OUTAGE	1/5/2016 9:18:10 AM	156.82	1
OH_XFMR	PLANNED OUTAGE	1/5/2016 10:06:16 AM	776.97	2
OH_XFMR	PLANNED OUTAGE	1/5/2016 11:56:16 AM	441.70	3
Service - Non Crew	PLANNED OUTAGE	1/5/2016 1:21:40 PM	66.03	1
OH_XFMR	PLANNED OUTAGE	1/5/2016 1:47:25 PM	565.00	12
TX Repaired (OH)	PLANNED OUTAGE	1/5/2016 2:02:08 PM	197.90	6
OH_XFMR	PLANNED OUTAGE	1/5/2016 2:33:01 PM	1,918.33	10
OH_XFMR	PLANNED OUTAGE	1/6/2016 6:25:22 AM	312.33	4
OH_XFMR	PLANNED OUTAGE	1/6/2016 9:54:47 AM	1,018.20	6
UG_XFMR	PLANNED OUTAGE	1/6/2016 10:57:59 AM	621.45	9
OH_XFMR	PLANNED OUTAGE	1/6/2016 11:37:54 AM	92.40	2
ELBOW	PLANNED OUTAGE	1/6/2016 12:07:25 PM	2,684.17	10
OH_XFMR	PLANNED OUTAGE	1/6/2016 12:15:41 PM	325.10	2
OH_XFMR	PLANNED OUTAGE	1/6/2016 2:35:06 PM	17.47	1
OH_XFMR	PLANNED OUTAGE	1/7/2016 5:33:34 AM	266.88	1
OH Other	PLANNED OUTAGE	1/7/2016 8:22:07 AM	81.00	1
OH_XFMR	PLANNED OUTAGE	1/7/2016 8:59:02 AM	2,810.50	7
OH_XFMR	PLANNED OUTAGE	1/7/2016 9:03:34 AM	116.35	1
OH_XFMR	PLANNED OUTAGE	1/7/2016 9:31:13 AM	1,676.50	6
OH_XFMR	PLANNED OUTAGE	1/7/2016 9:38:42 AM	266.35	1
PRIMARY_FUSE	PLANNED OUTAGE	1/7/2016 11:06:55 AM	279.97	1
OH_XFMR	PLANNED OUTAGE	1/7/2016 11:08:21 AM	278.27	1
UG_XFMR	PLANNED OUTAGE	1/7/2016 11:58:14 AM	129.92	1
OH Other	PLANNED OUTAGE	1/7/2016 3:54:01 PM	38.52	1
Service - Non Crew	PLANNED OUTAGE	1/8/2016 10:48:26 AM	232.68	1
ELBOW	PLANNED OUTAGE	1/8/2016 11:09:41 AM	749.47	8
ELBOW	PLANNED OUTAGE	1/8/2016 12:43:22 PM	515.87	8
ELBOW	PLANNED OUTAGE	1/8/2016 12:43:22 PM	515.87	8
OH_XFMR	PLANNED OUTAGE	1/8/2016 1:31:49 PM	160.77	7
OH Other	PLANNED OUTAGE	1/8/2016 4:10:49 PM	41.15	1
OH_XFMR	PLANNED OUTAGE	1/8/2016 7:40:02 PM	234.60	4
OH_XFMR	PLANNED OUTAGE	1/8/2016 7:40:02 PM	410.55	7
ELBOW	PLANNED OUTAGE	1/9/2016 8:23:43 AM	303.68	1
ELBOW	PLANNED OUTAGE	1/10/2016 7:34:57 AM	0.00	58
ELBOW	PLANNED OUTAGE	1/10/2016 8:40:14 AM	0.00	65
ELBOW	PLANNED OUTAGE	1/10/2016 8:41:48 AM	26.95	3
ELBOW	PLANNED OUTAGE	1/10/2016 8:45:09 AM	24.58	5
OH Other	PLANNED OUTAGE	1/11/2016 7:54:40 AM	150.00	1
OH_XFMR	PLANNED OUTAGE	1/11/2016 9:45:36 AM	521.33	4
OH_XFMR	PLANNED OUTAGE	1/11/2016 9:53:06 AM	748.80	4
OH_XFMR	PLANNED OUTAGE	1/11/2016 10:28:13 AM	4,601.00	10
Service - Non Crew	PLANNED OUTAGE	1/11/2016 11:08:02 AM	46.00	1
OH_XFMR	PLANNED OUTAGE	1/11/2016 11:38:02 AM	306.73	4
OH_XFMR	PLANNED OUTAGE	1/11/2016 1:53:01 PM	935.80	3
OH_XFMR	PLANNED OUTAGE	1/12/2016 9:07:00 AM	1,094.00	3
OH_XFMR	PLANNED OUTAGE	1/12/2016 10:43:34 AM	233.47	1
Circuit Out	PLANNED OUTAGE	1/12/2016 10:46:30 AM	3,030.00	1,212

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OH_XFMR	PLANNED OUTAGE	1/12/2016 10:55:15 AM	1,149.45	9
OH_XFMR	PLANNED OUTAGE	1/12/2016 11:01:38 AM	2,503.67	10
OH_XFMR	PLANNED OUTAGE	1/12/2016 11:03:27 AM	214.77	1
UG_XFMR	PLANNED OUTAGE	1/12/2016 11:09:49 AM	231.17	5
ELBOW	PLANNED OUTAGE	1/12/2016 11:43:40 AM	114.60	3
OH_XFMR	PLANNED OUTAGE	1/13/2016 9:20:47 AM	1,952.83	10
OH_XFMR	PLANNED OUTAGE	1/13/2016 9:27:12 AM	4,149.00	12
OH_XFMR	PLANNED OUTAGE	1/13/2016 9:54:35 AM	636.40	2
UG_XFMR	PLANNED OUTAGE	1/13/2016 11:00:48 AM	109.20	1
OH_XFMR	PLANNED OUTAGE	1/13/2016 11:56:52 AM	442.00	5
OH_XFMR	PLANNED OUTAGE	1/14/2016 9:49:14 AM	1,065.60	12
OH_XFMR	PLANNED OUTAGE	1/14/2016 11:03:45 AM	429.07	4
ELBOW	PLANNED OUTAGE	1/14/2016 11:49:45 AM	120.72	1
ELBOW	PLANNED OUTAGE	1/14/2016 11:49:45 AM	724.30	6
OH_XFMR	PLANNED OUTAGE	1/14/2016 8:29:07 PM	2,446.60	12
Circuit Out	PLANNED OUTAGE	1/15/2016 1:23:14 PM	3,393.00	585
Step Restoration	PLANNED OUTAGE	1/15/2016 1:23:14 PM	1,103.75	75
TX Repaired (OH)	PLANNED OUTAGE	1/15/2016 1:27:00 PM	64.73	1
Service - Non Crew	PLANNED OUTAGE	1/16/2016 8:09:41 AM	237.60	1
ELBOW	PLANNED OUTAGE	1/16/2016 1:38:36 PM	187.53	2
OH Other	PLANNED OUTAGE	1/16/2016 4:22:40 PM	73.00	6
UG Other	PLANNED OUTAGE	1/16/2016 11:05:42 PM	314.93	1
Primary Wire	PLANNED OUTAGE	1/16/2016 11:29:53 PM	39,722.28	121
OCR, Sec.	PLANNED OUTAGE	1/17/2016 6:13:23 AM	6,039.80	299
Circuit Out	PLANNED OUTAGE	1/17/2016 9:32:13 AM	1,554.58	325
OH Other	PLANNED OUTAGE	1/17/2016 4:19:21 PM	164.15	1
OH_XFMR	PLANNED OUTAGE	1/17/2016 7:13:57 PM	225.28	7
OH_XFMR	PLANNED OUTAGE	1/18/2016 12:04:59 AM	295.93	4
OH Other	PLANNED OUTAGE	1/18/2016 8:07:58 AM	71.33	1
OH_XFMR	PLANNED OUTAGE	1/18/2016 8:39:59 AM	559.30	6
ELBOW	PLANNED OUTAGE	1/18/2016 9:38:59 AM	3,070.40	57
OH_XFMR	PLANNED OUTAGE	1/18/2016 10:07:07 AM	1,812.42	7
Service - Crew	PLANNED OUTAGE	1/18/2016 10:07:48 AM	276.55	1
OH_XFMR	PLANNED OUTAGE	1/18/2016 11:30:20 AM	6,973.50	15
OH_XFMR	PLANNED OUTAGE	1/18/2016 2:01:52 PM	3,131.67	10
Service - Non Crew	PLANNED OUTAGE	1/19/2016 7:42:34 AM	56.10	1
OH_XFMR	PLANNED OUTAGE	1/19/2016 8:47:08 AM	2,388.98	7
OH_XFMR	PLANNED OUTAGE	1/19/2016 9:27:40 AM	1,181.90	3
OH_XFMR	PLANNED OUTAGE	1/19/2016 9:42:17 AM	2,320.63	11
UG_XFMR	PLANNED OUTAGE	1/19/2016 10:06:08 AM	2,565.87	8
OH Other	PLANNED OUTAGE	1/19/2016 10:07:34 AM	216.37	1
OH_XFMR	PLANNED OUTAGE	1/19/2016 1:01:19 PM	94.20	3
OH_XFMR	PLANNED OUTAGE	1/19/2016 1:37:42 PM	454.35	3
OH_XFMR	PLANNED OUTAGE	1/19/2016 2:02:27 PM	500.67	4
OH_XFMR	PLANNED OUTAGE	1/19/2016 2:07:40 PM	486.90	3
TX Repaired (PM)	PLANNED OUTAGE	1/19/2016 4:31:38 PM	1,803.33	4
UG_XFMR	PLANNED OUTAGE	1/19/2016 4:31:38 PM	450.83	1
ELBOW	PLANNED OUTAGE	1/19/2016 4:31:38 PM	1,803.33	4
ELBOW	PLANNED OUTAGE	1/19/2016 4:31:38 PM	1,803.33	4
ELBOW	PLANNED OUTAGE	1/19/2016 5:38:58 PM	720.50	10
ELBOW	PLANNED OUTAGE	1/19/2016 5:38:58 PM	576.40	8
ELBOW	PLANNED OUTAGE	1/20/2016 8:05:06 AM	1,309.25	15
UG_XFMR	PLANNED OUTAGE	1/20/2016 8:05:06 AM	436.42	5
OH_XFMR	PLANNED OUTAGE	1/20/2016 8:50:55 AM	4,123.70	14
OH_XFMR	PLANNED OUTAGE	1/20/2016 9:42:41 AM	275.30	6
OH Other	PLANNED OUTAGE	1/20/2016 10:00:23 AM	180.63	1
UG_XFMR	PLANNED OUTAGE	1/20/2016 10:13:01 AM	1,024.27	2
OH_XFMR	PLANNED OUTAGE	1/20/2016 10:28:25 AM	367.57	1
OH_XFMR	PLANNED OUTAGE	1/20/2016 10:30:47 AM	2,194.00	6
OH_XFMR	PLANNED OUTAGE	1/20/2016 10:37:45 AM	323.60	8
OH_XFMR	PLANNED OUTAGE	1/20/2016 10:52:24 AM	238.07	1

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OH_XFMR	PLANNED OUTAGE	1/20/2016 11:30:56 AM	1,305.35	3
OH_XFMR	PLANNED OUTAGE	1/20/2016 11:36:10 AM	784.33	5
OH_XFMR	PLANNED OUTAGE	1/20/2016 11:36:10 AM	1,536.70	11
OH Other	PLANNED OUTAGE	1/21/2016 8:07:30 AM	59.18	1
UG_XFMR	PLANNED OUTAGE	1/21/2016 8:39:45 AM	2,136.67	25
ELBOW	PLANNED OUTAGE	1/21/2016 8:39:45 AM	2,136.67	25
ELBOW	PLANNED OUTAGE	1/21/2016 8:39:45 AM	2,136.67	25
OH Other	PLANNED OUTAGE	1/21/2016 8:45:14 AM	133.32	1
ELBOW	PLANNED OUTAGE	1/21/2016 10:27:23 AM	398.55	9
OH Other	PLANNED OUTAGE	1/21/2016 1:29:11 PM	31.28	1
Circuit Out	PLANNED OUTAGE	1/23/2016 3:41:36 PM	26,612.67	1,045
Circuit Out	PLANNED OUTAGE	1/24/2016 9:01:17 AM	12,343.97	677
Step Restoration	PLANNED OUTAGE	1/24/2016 11:48:00 AM	3,903.55	57
Step Restoration	PLANNED OUTAGE	1/24/2016 11:48:00 AM	2,856.00	51
Step Restoration	PLANNED OUTAGE	1/24/2016 11:48:00 AM	21,142.20	668
OH_XFMR	PLANNED OUTAGE	1/24/2016 4:47:19 PM	1,534.00	13
TX Replaced (PM)	PLANNED OUTAGE	1/25/2016 7:14:37 AM	8,732.87	29
OH Other	PLANNED OUTAGE	1/25/2016 7:44:49 AM	90.13	1
OH_XFMR	PLANNED OUTAGE	1/25/2016 10:03:39 AM	127.50	9
OH Other	PLANNED OUTAGE	1/25/2016 10:19:36 AM	192.33	1
Service - Non Crew	PLANNED OUTAGE	1/25/2016 11:33:15 AM	347.53	1
Service - Non Crew	PLANNED OUTAGE	1/25/2016 11:56:50 AM	61.25	1
PRIMARY_FUSE	PLANNED OUTAGE	1/25/2016 1:36:54 PM	2,104.10	159
ELBOW	PLANNED OUTAGE	1/25/2016 3:10:56 PM	1,029.20	12
ELBOW	PLANNED OUTAGE	1/25/2016 4:32:42 PM	694.10	2
OH Other	PLANNED OUTAGE	1/26/2016 7:36:46 AM	75.18	1
UG_XFMR	PLANNED OUTAGE	1/26/2016 8:42:08 AM	496.13	8
UG_XFMR	PLANNED OUTAGE	1/26/2016 9:06:05 AM	304.53	8
Service - Non Crew	PLANNED OUTAGE	1/26/2016 1:16:21 PM	38.12	1
OH_XFMR	PLANNED OUTAGE	1/26/2016 1:56:23 PM	631.73	16
UG_XFMR	PLANNED OUTAGE	1/26/2016 3:18:11 PM	3,325.40	12
Circuit Out	PLANNED OUTAGE	1/27/2016 1:05:01 AM	18,225.00	2,916
Circuit Out	PLANNED OUTAGE	1/27/2016 4:53:27 AM	4,841.20	1,976
UG Other	PLANNED OUTAGE	1/27/2016 4:36:40 PM	62.23	1
ELBOW	PLANNED OUTAGE	1/27/2016 9:13:18 PM	332.18	19
UG Other	PLANNED OUTAGE	1/28/2016 8:30:29 AM	418.83	5
OH_XFMR	PLANNED OUTAGE	1/28/2016 8:49:03 AM	12,970.53	26
UG_XFMR	PLANNED OUTAGE	1/28/2016 10:12:36 AM	16,210.57	26
OH_XFMR	PLANNED OUTAGE	1/28/2016 10:42:53 AM	279.75	9
TX Repaired (OH)	PLANNED OUTAGE	1/28/2016 11:17:54 AM	158.73	1
Service - Crew	PLANNED OUTAGE	1/29/2016 7:43:35 AM	399.58	1
OH_XFMR	PLANNED OUTAGE	1/29/2016 9:46:26 AM	1,066.13	4
OH_XFMR	PLANNED OUTAGE	1/29/2016 9:46:26 AM	1,599.20	6
OH_XFMR	PLANNED OUTAGE	1/29/2016 9:46:26 AM	2,931.87	11
OH_XFMR	PLANNED OUTAGE	1/29/2016 9:49:25 AM	2,898.87	11
OH_XFMR	PLANNED OUTAGE	1/29/2016 10:26:47 AM	1,130.17	5
OH_XFMR	PLANNED OUTAGE	1/29/2016 10:29:51 AM	890.93	4
OH Other	PLANNED OUTAGE	1/31/2016 8:38:43 AM	133.75	1
Primary Wire	PLANNED OUTAGE	2/1/2016 3:36:00 AM	13,025.12	17
Service - Non Crew	PLANNED OUTAGE	2/1/2016 9:19:36 AM	81.82	1
OH_XFMR	PLANNED OUTAGE	2/1/2016 10:07:20 AM	1,394.67	10
OH_XFMR	PLANNED OUTAGE	2/1/2016 10:24:33 AM	1,437.70	3
Pole	PLANNED OUTAGE	2/1/2016 10:53:00 AM	257.40	52
OH Other	PLANNED OUTAGE	2/1/2016 11:23:40 AM	146.75	1
OH_XFMR	PLANNED OUTAGE	2/1/2016 1:56:36 PM	272.13	4
Service - Non Crew	PLANNED OUTAGE	2/1/2016 2:22:11 PM	78.37	1
Circuit Out	PLANNED OUTAGE	2/2/2016 1:32:23 AM	1,262.62	781
Service - Crew	PLANNED OUTAGE	2/2/2016 10:01:11 PM	41.68	1
OH Other	PLANNED OUTAGE	2/2/2016 10:34:31 PM	2.03	1
OH Other	PLANNED OUTAGE	2/3/2016 12:51:13 AM	51.07	8
ELBOW	PLANNED OUTAGE	2/3/2016 8:14:59 AM	75.08	1

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OH_XFMR	PLANNED OUTAGE	2/3/2016 8:25:33 AM	1,407.95	3
OH_XFMR	PLANNED OUTAGE	2/3/2016 8:42:39 AM	2,884.33	10
ELBOW	PLANNED OUTAGE	2/3/2016 9:18:46 AM	650.67	10
OH_XFMR	PLANNED OUTAGE	2/3/2016 9:31:44 AM	791.40	6
OH_XFMR	PLANNED OUTAGE	2/3/2016 9:31:50 AM	791.80	6
Service - Non Crew	PLANNED OUTAGE	2/3/2016 9:37:05 AM	80.82	1
ELBOW	PLANNED OUTAGE	2/3/2016 10:23:50 AM	131.33	10
OH_XFMR	PLANNED OUTAGE	2/3/2016 11:16:48 AM	2,358.33	10
OH_XFMR	PLANNED OUTAGE	2/3/2016 11:19:07 AM	2,102.40	9
OH_XFMR	PLANNED OUTAGE	2/3/2016 11:28:04 AM	73.80	1
OH_XFMR	PLANNED OUTAGE	2/3/2016 11:29:56 AM	193.15	1
OH_XFMR	PLANNED OUTAGE	2/3/2016 12:18:30 PM	709.70	3
OH_XFMR	PLANNED OUTAGE	2/3/2016 1:40:02 PM	736.80	8
Service - Non Crew	PLANNED OUTAGE	2/3/2016 1:40:56 PM	30.95	1
TX Repaired (OH)	PLANNED OUTAGE	2/3/2016 6:49:24 PM	826.00	7
OH_XFMR	PLANNED OUTAGE	2/4/2016 9:09:27 AM	299.88	1
Service - Non Crew	PLANNED OUTAGE	2/4/2016 9:43:11 AM	101.72	1
OH_XFMR	PLANNED OUTAGE	2/4/2016 9:51:12 AM	921.90	6
OH_XFMR	PLANNED OUTAGE	2/4/2016 9:51:29 AM	767.42	5
OH_XFMR	PLANNED OUTAGE	2/4/2016 10:40:56 AM	394.92	7
OH_XFMR	PLANNED OUTAGE	2/4/2016 12:02:30 PM	519.40	6
OH_XFMR	PLANNED OUTAGE	2/4/2016 2:00:29 PM	481.90	6
OH_XFMR	PLANNED OUTAGE	2/4/2016 2:00:39 PM	561.75	7
UG_XFMR	PLANNED OUTAGE	2/4/2016 10:40:02 PM	14.77	1
UG_XFMR	PLANNED OUTAGE	2/4/2016 10:40:02 PM	147.67	10
OH_XFMR	PLANNED OUTAGE	2/5/2016 8:10:25 AM	139.88	1
OH_XFMR	PLANNED OUTAGE	2/5/2016 8:55:46 AM	373.97	1
OH_XFMR	PLANNED OUTAGE	2/5/2016 10:42:16 AM	261.45	7
OH Other	PLANNED OUTAGE	2/5/2016 3:06:02 PM	50.58	1
OH Other	PLANNED OUTAGE	2/5/2016 3:35:28 PM	262.08	1
Circuit Out	PLANNED OUTAGE	2/6/2016 8:24:04 PM	769.62	757
OH Other	PLANNED OUTAGE	2/8/2016 8:11:11 AM	51.07	1
OH_XFMR	PLANNED OUTAGE	2/8/2016 10:29:06 AM	752.75	3
OH Other	PLANNED OUTAGE	2/8/2016 10:39:49 AM	96.38	1
OH_XFMR	PLANNED OUTAGE	2/8/2016 10:55:09 AM	4,439.05	21
OH_XFMR	PLANNED OUTAGE	2/8/2016 10:56:54 AM	1,368.00	5
OH_XFMR	PLANNED OUTAGE	2/8/2016 10:56:54 AM	1,368.00	5
OH_XFMR	PLANNED OUTAGE	2/8/2016 11:30:06 AM	91.03	2
OH_XFMR	PLANNED OUTAGE	2/8/2016 12:29:05 PM	372.45	3
OH Other	PLANNED OUTAGE	2/8/2016 1:44:29 PM	193.90	1
OH_XFMR	PLANNED OUTAGE	2/8/2016 2:05:49 PM	140.83	1
Cut Out 200 amp - PLF	PLANNED OUTAGE	2/9/2016 5:01:27 AM	7,999.20	33
OH_XFMR	PLANNED OUTAGE	2/9/2016 9:43:23 AM	1,446.55	7
OH_XFMR	PLANNED OUTAGE	2/9/2016 10:22:15 AM	548.30	2
OH_XFMR	PLANNED OUTAGE	2/9/2016 11:07:30 AM	101.75	1
OH_XFMR	PLANNED OUTAGE	2/9/2016 11:56:38 AM	1,677.17	10
OH_XFMR	PLANNED OUTAGE	2/9/2016 1:23:18 PM	2,196.15	11
OH_XFMR	PLANNED OUTAGE	2/10/2016 9:32:04 AM	3,290.80	8
OH_XFMR	PLANNED OUTAGE	2/10/2016 10:09:03 AM	837.05	3
OH_XFMR	PLANNED OUTAGE	2/10/2016 11:28:04 AM	2,066.05	7
OH_XFMR	PLANNED OUTAGE	2/10/2016 1:16:30 PM	572.73	11
OH Other	PLANNED OUTAGE	2/11/2016 8:03:44 AM	76.13	1
OH_XFMR	PLANNED OUTAGE	2/11/2016 9:28:45 AM	1,272.90	3
OH_XFMR	PLANNED OUTAGE	2/11/2016 9:52:17 AM	1,249.33	8
Service - Crew	PLANNED OUTAGE	2/11/2016 9:57:58 AM	417.57	1
Service - Non Crew	PLANNED OUTAGE	2/11/2016 11:16:52 AM	99.27	1
OH_XFMR	PLANNED OUTAGE	2/11/2016 11:36:09 AM	625.50	9
OH Other	PLANNED OUTAGE	2/11/2016 12:37:39 PM	30.18	1
OH_XFMR	PLANNED OUTAGE	2/11/2016 4:06:26 PM	610.77	2
OH_XFMR	PLANNED OUTAGE	2/12/2016 8:54:17 AM	857.73	4
OH_XFMR	PLANNED OUTAGE	2/12/2016 8:54:49 AM	1,070.17	5

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OH_XFMR	PLANNED OUTAGE	2/12/2016 9:00:09 AM	2,848.65	9
OH_XFMR	PLANNED OUTAGE	2/12/2016 9:07:09 AM	733.80	4
OH Other	PLANNED OUTAGE	2/12/2016 9:15:00 AM	54.70	1
OH_XFMR	PLANNED OUTAGE	2/12/2016 12:43:31 PM	804.80	6
Service - Non Crew	PLANNED OUTAGE	2/12/2016 1:16:49 PM	127.82	1
OH_XFMR	PLANNED OUTAGE	2/13/2016 9:26:59 AM	36.40	2
OH_XFMR	PLANNED OUTAGE	2/14/2016 9:50:30 AM	334.50	1
OH_XFMR	PLANNED OUTAGE	2/14/2016 9:51:38 AM	2,655.10	14
UG_XFMR	PLANNED OUTAGE	2/15/2016 8:26:40 AM	346.58	1
Service - Non Crew	PLANNED OUTAGE	2/15/2016 9:11:37 AM	101.78	1
UG_XFMR	PLANNED OUTAGE	2/15/2016 10:09:14 AM	234.33	4
OH_XFMR	PLANNED OUTAGE	2/15/2016 10:23:31 AM	575.40	3
ELBOW	PLANNED OUTAGE	2/15/2016 10:55:00 AM	921.27	13
OH_XFMR	PLANNED OUTAGE	2/15/2016 12:10:12 PM	1,104.60	7
OH_XFMR	PLANNED OUTAGE	2/15/2016 12:40:58 PM	206.10	1
OH_XFMR	PLANNED OUTAGE	2/15/2016 1:32:54 PM	3,696.47	14
ELBOW	PLANNED OUTAGE	2/15/2016 1:33:08 PM	571.20	12
UG Other	PLANNED OUTAGE	2/15/2016 2:39:07 PM	849.47	8
OH Other	PLANNED OUTAGE	2/15/2016 10:02:21 PM	59.55	1
OH_XFMR	PLANNED OUTAGE	2/16/2016 9:47:46 AM	794.40	3
Circuit Out	PLANNED OUTAGE	2/16/2016 10:01:33 AM	6,609.17	721
OH_XFMR	PLANNED OUTAGE	2/16/2016 10:13:03 AM	143.12	1
OH_XFMR	PLANNED OUTAGE	2/16/2016 10:19:31 AM	1,424.50	14
OH_XFMR	PLANNED OUTAGE	2/16/2016 10:27:03 AM	843.75	9
OH_XFMR	PLANNED OUTAGE	2/16/2016 10:34:06 AM	1,606.62	7
OH_XFMR	PLANNED OUTAGE	2/16/2016 10:45:26 AM	159.90	1
OH Other	PLANNED OUTAGE	2/16/2016 12:00:03 PM	35.37	1
OH Other	PLANNED OUTAGE	2/16/2016 1:35:10 PM	207.45	1
UG_XFMR	PLANNED OUTAGE	2/16/2016 1:58:03 PM	708.03	22
OH_XFMR	PLANNED OUTAGE	2/16/2016 3:08:26 PM	1,397.20	12
OH Other	PLANNED OUTAGE	2/16/2016 3:11:05 PM	212.63	1
UG_XFMR	PLANNED OUTAGE	2/16/2016 4:00:58 PM	333.30	22
OH_XFMR	PLANNED OUTAGE	2/17/2016 7:56:49 AM	1,491.58	5
OH Other	PLANNED OUTAGE	2/17/2016 8:34:17 AM	26.22	1
UG_XFMR	PLANNED OUTAGE	2/17/2016 9:07:38 AM	998.80	12
OH_XFMR	PLANNED OUTAGE	2/17/2016 9:57:39 AM	85.63	2
OH_XFMR	PLANNED OUTAGE	2/17/2016 10:55:36 AM	415.67	5
OH_XFMR	PLANNED OUTAGE	2/17/2016 11:11:34 AM	1,730.10	9
OH_XFMR	PLANNED OUTAGE	2/17/2016 11:13:38 AM	2,159.25	9
OH_XFMR	PLANNED OUTAGE	2/17/2016 11:49:24 AM	272.07	14
OH_XFMR	PLANNED OUTAGE	2/17/2016 12:09:13 PM	1,713.62	11
ELBOW	PLANNED OUTAGE	2/17/2016 1:07:26 PM	440.80	6
UG_XFMR	PLANNED OUTAGE	2/17/2016 1:07:26 PM	514.27	7
OH Other	PLANNED OUTAGE	2/17/2016 1:18:32 PM	31.70	1
Service - Non Crew	PLANNED OUTAGE	2/17/2016 1:53:28 PM	54.10	1
OH_XFMR	PLANNED OUTAGE	2/17/2016 2:10:35 PM	1,253.00	7
OH_XFMR	PLANNED OUTAGE	2/17/2016 10:33:59 PM	497.20	4
UG Other	PLANNED OUTAGE	2/18/2016 7:58:42 AM	342.03	1
Circuit Out	PLANNED OUTAGE	2/18/2016 8:00:01 AM	3,800.10	954
UG_XFMR	PLANNED OUTAGE	2/18/2016 8:24:48 AM	371.32	1
OH_XFMR	PLANNED OUTAGE	2/18/2016 10:15:50 AM	202.58	1
OH_XFMR	PLANNED OUTAGE	2/18/2016 10:39:46 AM	899.33	5
UG_XFMR	PLANNED OUTAGE	2/18/2016 10:53:01 AM	1.80	1
OH_XFMR	PLANNED OUTAGE	2/18/2016 11:00:15 AM	507.20	1
OH_XFMR	PLANNED OUTAGE	2/18/2016 1:02:43 PM	345.50	2
OH Other	PLANNED OUTAGE	2/18/2016 1:09:08 PM	122.42	1
OH_XFMR	PLANNED OUTAGE	2/18/2016 5:57:31 PM	7,569.83	22
OH_XFMR	PLANNED OUTAGE	2/19/2016 8:49:14 AM	711.75	15
OH_XFMR	PLANNED OUTAGE	2/19/2016 9:07:34 AM	1,804.35	9
OH_XFMR	PLANNED OUTAGE	2/19/2016 9:19:36 AM	395.40	2
OH_XFMR	PLANNED OUTAGE	2/19/2016 9:24:32 AM	5,926.50	15

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Service - Non Crew	PLANNED OUTAGE	2/19/2016 12:03:00 PM	40.48	1
ELBOW	PLANNED OUTAGE	2/19/2016 2:20:52 PM	443.70	9
ELBOW	PLANNED OUTAGE	2/19/2016 2:20:52 PM	393.33	8
UG_XFMR	PLANNED OUTAGE	2/19/2016 6:06:49 PM	1,385.20	12
TX Repaired (OH)	PLANNED OUTAGE	2/21/2016 9:42:09 AM	1,307.40	12
PRIMARY_FUSE	PLANNED OUTAGE	2/22/2016 10:10:49 AM	3,820.27	19
OH Other	PLANNED OUTAGE	2/22/2016 10:45:14 AM	162.08	1
UG Other	PLANNED OUTAGE	2/22/2016 12:00:02 PM	1,401.53	4
OH_XFMR	PLANNED OUTAGE	2/22/2016 12:36:42 PM	148.00	4
OH_XFMR	PLANNED OUTAGE	2/22/2016 12:42:52 PM	243.98	1
Service - Non Crew	PLANNED OUTAGE	2/22/2016 1:11:15 PM	38.55	1
OH_XFMR	PLANNED OUTAGE	2/22/2016 2:12:07 PM	708.67	4
TX Replaced (PM)	PLANNED OUTAGE	2/23/2016 1:40:27 AM	27,591.60	36
UG Other	PLANNED OUTAGE	2/23/2016 5:24:54 AM	2,399.83	14
OH_XFMR	PLANNED OUTAGE	2/23/2016 8:54:19 AM	3,126.90	6
OH_XFMR	PLANNED OUTAGE	2/23/2016 9:00:10 AM	515.42	1
OH_XFMR	PLANNED OUTAGE	2/23/2016 9:28:08 AM	669.43	7
ELBOW	PLANNED OUTAGE	2/23/2016 9:51:45 AM	434.08	5
OH_XFMR	PLANNED OUTAGE	2/23/2016 10:39:45 AM	1,246.40	3
OH Other	PLANNED OUTAGE	2/23/2016 10:54:35 AM	162.97	1
OH Other	PLANNED OUTAGE	2/23/2016 12:04:24 PM	94.78	1
OH_XFMR	PLANNED OUTAGE	2/23/2016 12:20:46 PM	213.60	3
OH_XFMR	PLANNED OUTAGE	2/23/2016 12:51:37 PM	304.53	2
OH_XFMR	PLANNED OUTAGE	2/23/2016 12:56:04 PM	219.02	1
OH_XFMR	PLANNED OUTAGE	2/23/2016 1:44:02 PM	204.20	1
OH_XFMR	PLANNED OUTAGE	2/23/2016 2:21:18 PM	672.70	6
OH_XFMR	PLANNED OUTAGE	2/24/2016 10:28:30 AM	880.40	3
OH_XFMR	PLANNED OUTAGE	2/24/2016 11:33:11 AM	1,841.03	11
Circuit Out	PLANNED OUTAGE	2/24/2016 11:51:44 PM	16,162.67	760
OH_XFMR	PLANNED OUTAGE	2/25/2016 6:00:29 AM	577.87	4
OH_XFMR	PLANNED OUTAGE	2/25/2016 8:39:24 AM	529.52	1
Service - Non Crew	PLANNED OUTAGE	2/25/2016 9:01:06 AM	90.22	1
OH_XFMR	PLANNED OUTAGE	2/25/2016 9:28:14 AM	408.88	1
OH_XFMR	PLANNED OUTAGE	2/25/2016 9:46:02 AM	212.37	1
Service - Non Crew	PLANNED OUTAGE	2/25/2016 10:21:14 AM	122.85	1
OH_XFMR	PLANNED OUTAGE	2/25/2016 11:41:03 AM	873.40	6
Service - Non Crew	PLANNED OUTAGE	2/25/2016 11:46:40 AM	62.03	1
OH_XFMR	PLANNED OUTAGE	2/25/2016 11:57:57 AM	281.25	9
OH_XFMR	PLANNED OUTAGE	2/25/2016 2:19:20 PM	222.43	2
OH_XFMR	PLANNED OUTAGE	2/25/2016 2:28:03 PM	542.00	3
OH_XFMR	PLANNED OUTAGE	2/25/2016 2:28:12 PM	180.22	1
OH_XFMR	PLANNED OUTAGE	2/25/2016 2:42:31 PM	614.00	8
OH_XFMR	PLANNED OUTAGE	2/25/2016 3:43:48 PM	213.90	1
UG_XFMR	PLANNED OUTAGE	2/26/2016 7:26:32 AM	474.25	7
OH_XFMR	PLANNED OUTAGE	2/26/2016 8:30:11 AM	2,661.98	7
UG Other	PLANNED OUTAGE	2/26/2016 9:59:15 AM	25,033.70	6
OH_XFMR	PLANNED OUTAGE	2/26/2016 4:56:37 PM	0.20	2
OH_XFMR	PLANNED OUTAGE	2/27/2016 8:29:33 AM	1,118.87	13
OH Other	PLANNED OUTAGE	2/27/2016 9:39:01 AM	1,633.67	2
OH_XFMR	PLANNED OUTAGE	2/28/2016 1:53:35 AM	539.70	9
UG_XFMR	PLANNED OUTAGE	2/29/2016 8:56:43 AM	1,329.15	3
OH_XFMR	PLANNED OUTAGE	2/29/2016 9:13:02 AM	759.85	3
OH_XFMR	PLANNED OUTAGE	2/29/2016 10:03:08 AM	2,295.50	5
OH_XFMR	PLANNED OUTAGE	2/29/2016 12:53:57 PM	157.47	1
OH_XFMR	PLANNED OUTAGE	2/29/2016 2:03:51 PM	511.40	6
OH_XFMR	PLANNED OUTAGE	2/29/2016 3:39:06 PM	1,462.17	10
OH_XFMR	PLANNED OUTAGE	2/29/2016 4:08:22 PM	288.18	1
OH_XFMR	PLANNED OUTAGE	2/29/2016 4:58:43 PM	152.05	1
UG_XFMR	PLANNED OUTAGE	2/29/2016 10:38:54 PM	0.38	1
OH_XFMR	PLANNED OUTAGE	3/1/2016 8:17:40 AM	322.95	1
OH_XFMR	PLANNED OUTAGE	3/1/2016 8:59:36 AM	2,575.07	8

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OH_XFMR	PLANNED OUTAGE	3/1/2016 9:12:05 AM	470.90	2
ELBOW	PLANNED OUTAGE	3/1/2016 9:44:21 AM	349.80	3
ELBOW	PLANNED OUTAGE	3/1/2016 10:11:13 AM	1,047.33	8
OH_XFMR	PLANNED OUTAGE	3/1/2016 11:43:07 AM	559.65	3
OH_XFMR	PLANNED OUTAGE	3/1/2016 11:43:07 AM	746.20	4
OH Other	PLANNED OUTAGE	3/1/2016 12:29:11 PM	44.73	1
OH_XFMR	PLANNED OUTAGE	3/1/2016 12:29:34 PM	383.53	2
OH_XFMR	PLANNED OUTAGE	3/1/2016 4:45:29 PM	75.53	1
OH_XFMR	PLANNED OUTAGE	3/2/2016 8:07:12 AM	142.48	1
OH_XFMR	PLANNED OUTAGE	3/2/2016 8:11:59 AM	2,951.60	8
OH_XFMR	PLANNED OUTAGE	3/2/2016 8:11:59 AM	2,582.65	7
OH Other	PLANNED OUTAGE	3/2/2016 9:04:12 AM	85.75	1
OH_XFMR	PLANNED OUTAGE	3/2/2016 9:17:44 AM	148.75	3
OH_XFMR	PLANNED OUTAGE	3/2/2016 9:26:01 AM	4,468.57	11
OH_XFMR	PLANNED OUTAGE	3/2/2016 9:38:59 AM	1,523.00	5
OH Other	PLANNED OUTAGE	3/2/2016 10:09:41 AM	99.12	1
OH_XFMR	PLANNED OUTAGE	3/2/2016 10:30:21 AM	2,613.87	8
OH_XFMR	PLANNED OUTAGE	3/2/2016 11:05:24 AM	156.72	1
OH_XFMR	PLANNED OUTAGE	3/2/2016 12:40:44 PM	404.93	4
OH_XFMR	PLANNED OUTAGE	3/2/2016 1:40:53 PM	292.20	4
TX Replaced (PM)	PLANNED OUTAGE	3/2/2016 2:17:43 PM	321.38	11
Circuit Out	PLANNED OUTAGE	3/2/2016 3:49:36 PM	3,102.78	799
OH_XFMR	PLANNED OUTAGE	3/3/2016 10:22:29 AM	4,759.53	14
OH_XFMR	PLANNED OUTAGE	3/3/2016 10:30:51 AM	895.67	5
TX Repaired (OH)	PLANNED OUTAGE	3/3/2016 11:51:45 AM	65.60	1
OH_XFMR	PLANNED OUTAGE	3/3/2016 1:20:05 PM	404.95	3
OH_XFMR	PLANNED OUTAGE	3/3/2016 1:45:25 PM	2,658.67	20
OH_XFMR	PLANNED OUTAGE	3/3/2016 2:58:06 PM	88.45	3
OH_XFMR	PLANNED OUTAGE	3/4/2016 8:17:27 AM	484.50	6
OH_XFMR	PLANNED OUTAGE	3/4/2016 8:20:40 AM	14,223.83	31
OH_XFMR	PLANNED OUTAGE	3/4/2016 9:13:06 AM	3,917.83	10
UG_XFMR	PLANNED OUTAGE	3/4/2016 9:37:44 AM	110.17	10
OH_XFMR	PLANNED OUTAGE	3/4/2016 9:56:02 AM	511.05	9
ELBOW	PLANNED OUTAGE	3/4/2016 9:59:15 AM	553.70	6
ELBOW	PLANNED OUTAGE	3/4/2016 9:59:15 AM	558.50	6
OH_XFMR	PLANNED OUTAGE	3/4/2016 12:33:47 PM	163.40	2
TX Repaired (OH)	PLANNED OUTAGE	3/5/2016 7:26:38 PM	77.77	1
OH_XFMR	PLANNED OUTAGE	3/6/2016 9:45:13 AM	270.70	1
Circuit Out	PLANNED OUTAGE	3/6/2016 12:34:14 PM	15,405.10	1,213
OH_XFMR	PLANNED OUTAGE	3/7/2016 12:41:38 AM	921.75	5
OH_XFMR	PLANNED OUTAGE	3/7/2016 12:41:47 AM	921.50	5
ELBOW	PLANNED OUTAGE	3/7/2016 8:52:42 AM	504.00	5
OH_XFMR	PLANNED OUTAGE	3/7/2016 9:03:38 AM	311.92	1
OH_XFMR	PLANNED OUTAGE	3/7/2016 9:13:55 AM	2,703.33	8
OH Other	PLANNED OUTAGE	3/7/2016 9:31:33 AM	97.45	1
POLE	PLANNED OUTAGE	3/7/2016 11:50:42 AM	695.40	4
OH_XFMR	PLANNED OUTAGE	3/7/2016 1:17:30 PM	696.42	5
OH_XFMR	PLANNED OUTAGE	3/7/2016 1:24:34 PM	451.03	7
OH_XFMR	PLANNED OUTAGE	3/7/2016 1:24:43 PM	1,387.33	10
OH_XFMR	PLANNED OUTAGE	3/7/2016 1:33:08 PM	1,921.07	8
OH_XFMR	PLANNED OUTAGE	3/7/2016 2:30:14 PM	513.57	7
OH_XFMR	PLANNED OUTAGE	3/7/2016 3:37:43 PM	684.40	4
UG Other	PLANNED OUTAGE	3/7/2016 3:56:51 PM	310.30	1
TX Repaired (PM)	PLANNED OUTAGE	3/7/2016 4:56:03 PM	57.52	1
PLF	PLANNED OUTAGE	3/8/2016 7:10:10 AM	341.60	8
OH_XFMR	PLANNED OUTAGE	3/8/2016 8:15:25 AM	1,151.58	5
OH_XFMR	PLANNED OUTAGE	3/8/2016 8:15:55 AM	400.40	1
OH_XFMR	PLANNED OUTAGE	3/8/2016 8:22:46 AM	788.33	2
OH_XFMR	PLANNED OUTAGE	3/8/2016 8:31:36 AM	1,002.00	8
TX Repaired (PM)	PLANNED OUTAGE	3/8/2016 8:38:51 AM	717.23	2
OH_XFMR	PLANNED OUTAGE	3/8/2016 8:41:47 AM	4,507.40	12

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OH_XFMR	PLANNED OUTAGE	3/8/2016 8:45:44 AM	609.35	7
UG_XFMR	PLANNED OUTAGE	3/8/2016 9:45:15 AM	2,506.13	8
OH_XFMR	PLANNED OUTAGE	3/8/2016 9:51:20 AM	2,152.85	7
OH_XFMR	PLANNED OUTAGE	3/8/2016 9:52:55 AM	150.55	3
TX Repaired (OH)	PLANNED OUTAGE	3/8/2016 10:59:27 AM	265.35	1
OH_XFMR	PLANNED OUTAGE	3/8/2016 11:26:35 AM	219.80	4
OH_XFMR	PLANNED OUTAGE	3/8/2016 3:24:45 PM	368.10	9
OH_XFMR	PLANNED OUTAGE	3/8/2016 3:46:12 PM	449.30	6
OH_XFMR	PLANNED OUTAGE	3/8/2016 4:05:16 PM	314.00	3
UG_XFMR	PLANNED OUTAGE	3/8/2016 11:40:43 PM	958.05	9
OH_XFMR	PLANNED OUTAGE	3/9/2016 9:08:01 AM	313.55	1
OH_XFMR	PLANNED OUTAGE	3/9/2016 9:13:52 AM	2,555.07	8
ELBOW	PLANNED OUTAGE	3/9/2016 9:14:31 AM	1,378.27	8
OH_XFMR	PLANNED OUTAGE	3/9/2016 10:07:08 AM	565.60	6
OH Other	PLANNED OUTAGE	3/9/2016 10:10:13 AM	177.50	1
OH_XFMR	PLANNED OUTAGE	3/9/2016 10:45:49 AM	1,720.40	8
OH_XFMR	PLANNED OUTAGE	3/9/2016 10:55:10 AM	193.30	1
UG_XFMR	PLANNED OUTAGE	3/9/2016 11:18:38 AM	676.40	4
ELBOW	PLANNED OUTAGE	3/9/2016 11:18:38 AM	676.40	4
OH_XFMR	PLANNED OUTAGE	3/9/2016 11:32:00 AM	605.47	4
UG Other	PLANNED OUTAGE	3/9/2016 3:01:08 PM	113.57	1
OH Other	PLANNED OUTAGE	3/9/2016 4:08:16 PM	78.18	1
OH Other	PLANNED OUTAGE	3/10/2016 7:40:19 AM	66.63	1
OH_XFMR	PLANNED OUTAGE	3/10/2016 8:04:51 AM	324.12	1
OH_XFMR	PLANNED OUTAGE	3/10/2016 8:28:33 AM	382.80	1
OH_XFMR	PLANNED OUTAGE	3/10/2016 9:05:17 AM	346.60	1
OH_XFMR	PLANNED OUTAGE	3/10/2016 9:24:48 AM	1,500.00	15
OH_XFMR	PLANNED OUTAGE	3/10/2016 9:35:11 AM	1,577.95	11
TX Repaired (PM)	PLANNED OUTAGE	3/10/2016 10:11:59 AM	147.27	1
OH_XFMR	PLANNED OUTAGE	3/10/2016 10:25:14 AM	1,306.80	11
OH_XFMR	PLANNED OUTAGE	3/10/2016 11:01:20 AM	354.83	2
OH Other	PLANNED OUTAGE	3/10/2016 1:49:49 PM	210.43	1
UG_XFMR	PLANNED OUTAGE	3/10/2016 4:48:52 PM	225.38	1
Step Restoration	PLANNED OUTAGE	3/11/2016 12:23:35 AM	448.50	6
Step Restoration	PLANNED OUTAGE	3/11/2016 12:23:35 AM	1,712.73	23
TX Repaired (OH)	PLANNED OUTAGE	3/11/2016 8:18:19 AM	55.35	1
OH_XFMR	PLANNED OUTAGE	3/11/2016 8:50:46 AM	569.40	4
OH_XFMR	PLANNED OUTAGE	3/11/2016 9:35:03 AM	297.75	1
OH_XFMR	PLANNED OUTAGE	3/11/2016 9:36:04 AM	953.90	6
ELBOW	PLANNED OUTAGE	3/11/2016 11:12:09 AM	659.35	3
ELBOW	PLANNED OUTAGE	3/11/2016 11:40:23 AM	354.13	4
OH Other	PLANNED OUTAGE	3/11/2016 2:11:11 PM	121.95	1
OH_XFMR	PLANNED OUTAGE	3/12/2016 9:09:26 AM	1,442.50	10
Service - Non Crew	PLANNED OUTAGE	3/12/2016 11:30:57 AM	46.30	1
Circuit Out	PLANNED OUTAGE	3/12/2016 7:30:48 PM	3,278.60	1,014
OH_XFMR	PLANNED OUTAGE	3/12/2016 9:02:37 PM	945.20	8
OH_XFMR	PLANNED OUTAGE	3/12/2016 9:02:37 PM	118.15	1
TX Repaired (OH)	PLANNED OUTAGE	3/13/2016 12:51:09 AM	22.92	1
Circuit Out	PLANNED OUTAGE	3/14/2016 9:48:32 AM	6,090.00	2,088
OH_XFMR	PLANNED OUTAGE	3/14/2016 10:46:30 AM	420.07	4
OH Other	PLANNED OUTAGE	3/14/2016 11:05:51 AM	132.58	1
OH_XFMR	PLANNED OUTAGE	3/14/2016 12:10:04 PM	390.70	3
OH_XFMR	PLANNED OUTAGE	3/14/2016 3:07:53 PM	648.43	7
Circuit Out	PLANNED OUTAGE	3/14/2016 7:26:24 PM	8,446.60	1,884
OH_XFMR	PLANNED OUTAGE	3/15/2016 8:00:51 AM	1,474.90	6
OH Other	PLANNED OUTAGE	3/15/2016 8:07:02 AM	196.63	1
OH_XFMR	PLANNED OUTAGE	3/15/2016 9:01:11 AM	3,526.53	8
OH_XFMR	PLANNED OUTAGE	3/15/2016 9:34:11 AM	782.07	4
OH_XFMR	PLANNED OUTAGE	3/15/2016 9:34:31 AM	1,772.40	9
OH_XFMR	PLANNED OUTAGE	3/15/2016 9:45:53 AM	1,901.85	9
OH Other	PLANNED OUTAGE	3/15/2016 10:01:56 AM	52.70	1

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OH_XFMR	PLANNED OUTAGE	3/15/2016 1:05:18 PM	233.90	3
OH_XFMR	PLANNED OUTAGE	3/15/2016 1:18:54 PM	1,324.03	11
OH_XFMR	PLANNED OUTAGE	3/15/2016 1:33:51 PM	295.60	2
OH_XFMR	PLANNED OUTAGE	3/15/2016 2:45:56 PM	882.15	9
TX Repaired (OH)	PLANNED OUTAGE	3/15/2016 3:21:26 PM	186.22	1
OH_XFMR	PLANNED OUTAGE	3/16/2016 8:25:41 AM	3,854.22	11
OH_XFMR	PLANNED OUTAGE	3/16/2016 8:26:30 AM	3,844.13	11
UG_XFMR	PLANNED OUTAGE	3/16/2016 9:06:24 AM	4,498.77	17
OH_XFMR	PLANNED OUTAGE	3/16/2016 9:25:31 AM	237.57	1
OH_XFMR	PLANNED OUTAGE	3/16/2016 9:32:20 AM	3,207.42	11
OH_XFMR	PLANNED OUTAGE	3/16/2016 10:02:02 AM	1,189.88	7
OH_XFMR	PLANNED OUTAGE	3/16/2016 10:43:57 AM	3,327.75	9
OH Other	PLANNED OUTAGE	3/16/2016 11:00:19 AM	359.33	10
OH_XFMR	PLANNED OUTAGE	3/16/2016 11:42:36 AM	484.23	2
OH Other	PLANNED OUTAGE	3/16/2016 12:19:11 PM	94.63	1
OH Other	PLANNED OUTAGE	3/16/2016 12:30:51 PM	162.50	1
OH_XFMR	PLANNED OUTAGE	3/16/2016 1:14:16 PM	410.50	10
OH_XFMR	PLANNED OUTAGE	3/16/2016 1:56:01 PM	796.53	4
Circuit Out	PLANNED OUTAGE	3/17/2016 5:13:04 AM	5,374.37	217
OH_XFMR	PLANNED OUTAGE	3/17/2016 8:03:49 AM	111.15	9
OH_XFMR	PLANNED OUTAGE	3/17/2016 8:28:02 AM	4,183.48	11
OH_XFMR	PLANNED OUTAGE	3/17/2016 9:44:22 AM	2,387.12	7
OH_XFMR	PLANNED OUTAGE	3/17/2016 10:41:20 AM	875.90	6
OH_XFMR	PLANNED OUTAGE	3/17/2016 1:03:23 PM	656.50	3
Service - Non Crew	PLANNED OUTAGE	3/17/2016 1:10:22 PM	44.63	1
OH Other	PLANNED OUTAGE	3/17/2016 2:01:39 PM	172.48	1
OH_XFMR	PLANNED OUTAGE	3/18/2016 8:53:01 AM	343.48	1
Service - Non Crew	PLANNED OUTAGE	3/18/2016 9:29:34 AM	821.20	3
OH_XFMR	PLANNED OUTAGE	3/18/2016 3:24:53 PM	676.42	5
Circuit Out	PLANNED OUTAGE	3/19/2016 4:00:52 PM	6,864.00	1,144
OH_XFMR	PLANNED OUTAGE	3/19/2016 6:40:46 PM	59.30	1
Service - Non Crew	PLANNED OUTAGE	3/19/2016 7:42:26 PM	41.90	1
UG_XFMR	PLANNED OUTAGE	3/21/2016 9:32:02 AM	1,511.30	7
UG_XFMR	PLANNED OUTAGE	3/21/2016 9:32:02 AM	863.60	4
Service - Non Crew	PLANNED OUTAGE	3/21/2016 12:50:32 PM	82.20	1
TX Repaired (PM)	PLANNED OUTAGE	3/21/2016 2:48:47 PM	39.70	1
OH_XFMR	PLANNED OUTAGE	3/21/2016 3:13:18 PM	890.13	8
Service - Non Crew	PLANNED OUTAGE	3/21/2016 3:38:29 PM	129.45	1
UG Other	PLANNED OUTAGE	3/22/2016 2:28:10 AM	17.12	1
Service - Non Crew	PLANNED OUTAGE	3/22/2016 7:55:31 AM	47.55	1
OH_XFMR	PLANNED OUTAGE	3/22/2016 9:14:05 AM	280.25	5
OH_XFMR	PLANNED OUTAGE	3/22/2016 9:59:36 AM	2,909.60	8
OH Other	PLANNED OUTAGE	3/22/2016 11:57:57 AM	151.00	1
OH_XFMR	PLANNED OUTAGE	3/22/2016 12:18:02 PM	2,967.65	7
Service - Non Crew	PLANNED OUTAGE	3/22/2016 1:38:55 PM	70.93	1
OH_XFMR	PLANNED OUTAGE	3/22/2016 10:56:29 PM	583.40	1
OH_XFMR	PLANNED OUTAGE	3/22/2016 10:56:29 PM	3,500.40	6
OH Other	PLANNED OUTAGE	3/23/2016 7:45:48 AM	116.43	1
Service - Non Crew	PLANNED OUTAGE	3/23/2016 8:37:05 AM	45.97	1
OH Other	PLANNED OUTAGE	3/23/2016 9:14:07 AM	42.08	1
ELBOW	PLANNED OUTAGE	3/23/2016 9:25:18 AM	1,677.55	7
ELBOW	PLANNED OUTAGE	3/23/2016 9:25:18 AM	3,115.45	13
OH Other	PLANNED OUTAGE	3/23/2016 11:23:55 AM	28.18	1
OH_XFMR	PLANNED OUTAGE	3/23/2016 11:42:58 AM	249.90	2
OH_XFMR	PLANNED OUTAGE	3/23/2016 12:00:00 PM	116.88	1
OH_XFMR	PLANNED OUTAGE	3/23/2016 12:00:34 PM	349.60	3
Service - Non Crew	PLANNED OUTAGE	3/23/2016 12:57:07 PM	226.02	1
OH_XFMR	PLANNED OUTAGE	3/23/2016 1:38:44 PM	86.22	7
OH_XFMR	PLANNED OUTAGE	3/23/2016 3:36:06 PM	548.92	7
Service - Non Crew	PLANNED OUTAGE	3/23/2016 9:02:41 PM	13.77	1
UG_XFMR	PLANNED OUTAGE	3/23/2016 10:00:24 PM	695.25	15

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OH Other	PLANNED OUTAGE	3/24/2016 8:17:59 AM	103.18	1
UG_XFMR	PLANNED OUTAGE	3/24/2016 8:34:39 AM	462.23	7
ELBOW	PLANNED OUTAGE	3/24/2016 8:34:39 AM	462.23	7
OH_XFMR	PLANNED OUTAGE	3/24/2016 9:17:55 AM	1,932.60	9
ELBOW	PLANNED OUTAGE	3/24/2016 9:41:49 AM	2,282.25	17
TX Repaired (OH)	PLANNED OUTAGE	3/24/2016 10:32:52 AM	107.07	2
POLE	PLANNED OUTAGE	3/24/2016 10:41:00 AM	4,238.85	11
OH_XFMR	PLANNED OUTAGE	3/24/2016 11:07:21 AM	155.18	1
Service - Crew	PLANNED OUTAGE	3/24/2016 11:44:38 AM	242.85	1
OH_XFMR	PLANNED OUTAGE	3/24/2016 1:10:22 PM	76.82	1
Service - Non Crew	PLANNED OUTAGE	3/24/2016 1:37:28 PM	33.12	1
UG_XFMR	PLANNED OUTAGE	3/24/2016 7:54:43 PM	0.80	4
OH_XFMR	PLANNED OUTAGE	3/25/2016 9:28:26 AM	1,420.10	6
Service - Non Crew	PLANNED OUTAGE	3/25/2016 10:48:37 AM	57.17	1
Service - Non Crew	PLANNED OUTAGE	3/25/2016 2:15:28 PM	1.03	1
OH Other	PLANNED OUTAGE	3/26/2016 8:50:24 AM	37.97	1
OH Other	PLANNED OUTAGE	3/26/2016 9:37:06 AM	137.45	1
TX Repaired (OH)	PLANNED OUTAGE	3/26/2016 10:36:49 AM	54.52	1
TX Repaired (OH)	PLANNED OUTAGE	3/26/2016 1:15:20 PM	323.60	1
OH_XFMR	PLANNED OUTAGE	3/26/2016 2:31:54 PM	112.50	10
OH_XFMR	PLANNED OUTAGE	3/26/2016 2:32:02 PM	78.75	7
OH_XFMR	PLANNED OUTAGE	3/26/2016 2:32:12 PM	78.28	7
OH_XFMR	PLANNED OUTAGE	3/26/2016 2:32:19 PM	122.83	11
OH_XFMR	PLANNED OUTAGE	3/27/2016 5:29:52 PM	96.93	8
OH Other	PLANNED OUTAGE	3/28/2016 8:12:28 AM	302.87	1
OH_XFMR	PLANNED OUTAGE	3/28/2016 8:34:27 AM	1,157.25	3
ELBOW	PLANNED OUTAGE	3/28/2016 9:26:00 AM	547.53	4
ELBOW	PLANNED OUTAGE	3/28/2016 9:26:00 AM	547.53	4
ELBOW	PLANNED OUTAGE	3/28/2016 9:26:00 AM	547.53	4
UG_XFMR	PLANNED OUTAGE	3/28/2016 9:26:58 AM	551.93	4
OH_XFMR	PLANNED OUTAGE	3/28/2016 9:59:48 AM	2,640.00	8
OH Other	PLANNED OUTAGE	3/28/2016 10:17:33 AM	141.23	1
OH_XFMR	PLANNED OUTAGE	3/28/2016 10:41:47 AM	2,631.67	10
OH_XFMR	PLANNED OUTAGE	3/28/2016 11:15:26 AM	2,119.80	12
Service - Non Crew	PLANNED OUTAGE	3/28/2016 11:31:42 AM	545.90	1
OH_XFMR	PLANNED OUTAGE	3/28/2016 12:27:10 PM	2,376.33	5
UG Other	PLANNED OUTAGE	3/28/2016 2:38:19 PM	72.95	1
OH Other	PLANNED OUTAGE	3/28/2016 3:26:01 PM	237.43	1
Service - Non Crew	PLANNED OUTAGE	3/28/2016 3:50:10 PM	63.97	1
Service - Non Crew	PLANNED OUTAGE	3/28/2016 5:01:30 PM	39.28	1
UG_XFMR	PLANNED OUTAGE	3/29/2016 6:38:01 AM	1,681.33	4
OH Other	PLANNED OUTAGE	3/29/2016 7:03:54 AM	126.08	1
OH_XFMR	PLANNED OUTAGE	3/29/2016 9:21:31 AM	1,209.02	7
OH_XFMR	PLANNED OUTAGE	3/29/2016 9:23:04 AM	614.93	2
OH Other	PLANNED OUTAGE	3/29/2016 9:34:05 AM	199.27	1
OH_XFMR	PLANNED OUTAGE	3/29/2016 9:57:10 AM	686.30	6
ELBOW	PLANNED OUTAGE	3/29/2016 12:09:54 PM	353.80	4
ELBOW	PLANNED OUTAGE	3/29/2016 12:09:54 PM	353.80	4
TX Repaired (PM)	PLANNED OUTAGE	3/29/2016 1:24:34 PM	51.08	1
Circuit Out	PLANNED OUTAGE	3/29/2016 11:35:20 PM	32,392.83	2,630
Circuit Out	PLANNED OUTAGE	3/29/2016 11:35:35 PM	19,631.03	1,666
OH Other	PLANNED OUTAGE	3/30/2016 7:08:47 AM	53.35	1
TX Repaired (OH)	PLANNED OUTAGE	3/30/2016 7:34:11 AM	90.60	1
OH_XFMR	PLANNED OUTAGE	3/30/2016 8:39:52 AM	4,263.42	11
Service - Non Crew	PLANNED OUTAGE	3/30/2016 9:01:35 AM	311.72	1
OH_XFMR	PLANNED OUTAGE	3/30/2016 9:27:49 AM	537.83	10
UG Other	PLANNED OUTAGE	3/30/2016 10:05:19 AM	87.32	1
UG Other	PLANNED OUTAGE	3/30/2016 10:06:12 AM	87.23	1
OH_XFMR	PLANNED OUTAGE	3/30/2016 11:04:39 AM	1,481.55	9
OH Other	PLANNED OUTAGE	3/30/2016 11:13:32 AM	226.47	1
OH_XFMR	PLANNED OUTAGE	3/30/2016 11:32:50 AM	1,074.58	5

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OH_XFMR	PLANNED OUTAGE	3/30/2016 11:40:53 AM	389.50	6
OH_XFMR	PLANNED OUTAGE	3/30/2016 11:43:23 AM	2,252.43	11
OH_XFMR	PLANNED OUTAGE	3/30/2016 12:17:29 PM	341.93	2
Circuit Out	PLANNED OUTAGE	3/30/2016 12:32:41 PM	11,041.33	1,352
OH_XFMR	PLANNED OUTAGE	3/30/2016 1:51:42 PM	126.50	2
UG Other	PLANNED OUTAGE	3/30/2016 2:08:21 PM	77.50	1
OH_XFMR	PLANNED OUTAGE	3/30/2016 3:29:16 PM	1,229.43	11
Service - Non Crew	PLANNED OUTAGE	3/30/2016 4:19:33 PM	70.93	1
UG_XFMR	PLANNED OUTAGE	3/31/2016 6:57:44 AM	203.43	1
Service - Non Crew	PLANNED OUTAGE	3/31/2016 7:17:35 AM	61.72	1
Service - Crew	PLANNED OUTAGE	3/31/2016 8:26:26 AM	402.98	1
Service - Crew	PLANNED OUTAGE	3/31/2016 8:59:25 AM	106.53	1
OH Other	PLANNED OUTAGE	3/31/2016 9:17:35 AM	36.32	1
OH_XFMR	PLANNED OUTAGE	3/31/2016 10:00:07 AM	666.70	3
OH_XFMR	PLANNED OUTAGE	3/31/2016 10:09:25 AM	5,690.18	17
UG_XFMR	PLANNED OUTAGE	3/31/2016 10:34:35 AM	732.43	14
OH_XFMR	PLANNED OUTAGE	3/31/2016 1:17:56 PM	396.67	2
POLE	PLANNED OUTAGE	3/31/2016 2:06:18 PM	193.95	3
Service - Non Crew	PLANNED OUTAGE	4/1/2016 7:41:12 AM	146.42	1
OH_XFMR	PLANNED OUTAGE	4/1/2016 9:28:01 AM	203.50	3
OH_XFMR	PLANNED OUTAGE	4/1/2016 10:53:27 AM	401.03	2
OH_XFMR	PLANNED OUTAGE	4/1/2016 10:53:46 AM	2,578.33	17
OH Other	PLANNED OUTAGE	4/1/2016 10:58:48 AM	199.62	1
Service - Non Crew	PLANNED OUTAGE	4/1/2016 11:42:38 AM	56.35	1
Service - Non Crew	PLANNED OUTAGE	4/2/2016 3:45:10 PM	56.73	1
Circuit Out	PLANNED OUTAGE	4/3/2016 10:59:35 AM	4,796.50	1,086
PLF	PLANNED OUTAGE	4/3/2016 11:02:24 AM	5,442.60	141
OH Other	PLANNED OUTAGE	4/4/2016 9:22:29 AM	33.47	1
Circuit Out	PLANNED OUTAGE	4/4/2016 10:35:19 AM	2,999.07	542
OH_XFMR	PLANNED OUTAGE	4/4/2016 12:38:36 PM	206.75	1
OH_XFMR	PLANNED OUTAGE	4/4/2016 12:46:32 PM	1,193.97	14
OH_XFMR	PLANNED OUTAGE	4/4/2016 12:48:13 PM	333.93	4
OH_XFMR	PLANNED OUTAGE	4/4/2016 12:56:53 PM	3,657.25	15
OH_XFMR	PLANNED OUTAGE	4/4/2016 1:51:19 PM	258.60	2
OH_XFMR	PLANNED OUTAGE	4/4/2016 2:11:29 PM	196.20	12
OH_XFMR	PLANNED OUTAGE	4/4/2016 2:19:35 PM	823.33	8
OH Other	PLANNED OUTAGE	4/4/2016 3:02:14 PM	130.50	1
OH_XFMR	PLANNED OUTAGE	4/4/2016 5:06:24 PM	956.60	12
Service - Non Crew	PLANNED OUTAGE	4/5/2016 8:47:27 AM	95.08	1
OH_XFMR	PLANNED OUTAGE	4/5/2016 9:21:27 AM	3,642.10	11
OH_XFMR	PLANNED OUTAGE	4/5/2016 9:21:40 AM	2,317.82	7
Service - Non Crew	PLANNED OUTAGE	4/5/2016 9:23:58 AM	80.37	1
ELBOW	PLANNED OUTAGE	4/5/2016 9:41:14 AM	176.67	2
ELBOW	PLANNED OUTAGE	4/5/2016 9:41:14 AM	706.67	8
UG Other	PLANNED OUTAGE	4/5/2016 9:54:13 AM	54.38	1
OH_XFMR	PLANNED OUTAGE	4/5/2016 10:45:48 AM	550.35	3
OH_XFMR	PLANNED OUTAGE	4/5/2016 11:26:15 AM	267.78	1
OH_XFMR	PLANNED OUTAGE	4/5/2016 11:26:15 AM	1,874.48	7
OH_XFMR	PLANNED OUTAGE	4/5/2016 12:03:35 PM	428.60	2
OH_XFMR	PLANNED OUTAGE	4/5/2016 1:11:14 PM	96.37	1
OH_XFMR	PLANNED OUTAGE	4/5/2016 1:41:14 PM	253.40	6
OH Other	PLANNED OUTAGE	4/5/2016 3:10:10 PM	127.70	1
OH Other	PLANNED OUTAGE	4/5/2016 4:54:01 PM	44.10	1
OH_XFMR	PLANNED OUTAGE	4/6/2016 9:30:10 AM	4,019.00	6
OH Other	PLANNED OUTAGE	4/6/2016 10:29:40 AM	63.00	1
OH_XFMR	PLANNED OUTAGE	4/6/2016 10:39:57 AM	441.90	2
OH_XFMR	PLANNED OUTAGE	4/6/2016 10:53:42 AM	585.55	1
OH_XFMR	PLANNED OUTAGE	4/6/2016 2:24:49 PM	823.90	11
OH_XFMR	PLANNED OUTAGE	4/6/2016 3:43:21 PM	1,255.47	4
Circuit Out	PLANNED OUTAGE	4/6/2016 8:11:29 PM	15,149.35	183
OH Other	PLANNED OUTAGE	4/6/2016 9:10:27 PM	6,865.30	26

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Step Restoration	PLANNED OUTAGE	4/6/2016 9:10:27 PM	1,848.00	7
Step Restoration	PLANNED OUTAGE	4/6/2016 9:10:27 PM	1,847.07	7
Step Restoration	PLANNED OUTAGE	4/6/2016 9:10:27 PM	793.45	3
OH_XFMR	PLANNED OUTAGE	4/7/2016 8:40:34 AM	1,261.98	7
OH_XFMR	PLANNED OUTAGE	4/7/2016 8:59:11 AM	357.03	1
Service - Non Crew	PLANNED OUTAGE	4/7/2016 9:07:31 AM	85.07	1
OH_XFMR	PLANNED OUTAGE	4/7/2016 9:53:18 AM	590.50	6
OH_XFMR	PLANNED OUTAGE	4/7/2016 10:12:18 AM	518.50	3
OH Other	PLANNED OUTAGE	4/7/2016 10:17:35 AM	48.43	1
OH_XFMR	PLANNED OUTAGE	4/7/2016 10:58:28 AM	634.25	3
OH_XFMR	PLANNED OUTAGE	4/7/2016 11:18:43 AM	203.40	9
OH_XFMR	PLANNED OUTAGE	4/7/2016 11:26:39 AM	6,274.00	8
OH_XFMR	PLANNED OUTAGE	4/7/2016 12:54:00 PM	419.30	7
Service - Non Crew	PLANNED OUTAGE	4/7/2016 1:05:38 PM	143.20	1
Service - Non Crew	PLANNED OUTAGE	4/7/2016 2:07:51 PM	46.97	1
OH Other	PLANNED OUTAGE	4/7/2016 5:03:48 PM	87.95	1
ELBOW	PLANNED OUTAGE	4/7/2016 10:37:11 PM	1,514.33	7
UG_XFMR	PLANNED OUTAGE	4/8/2016 9:33:04 AM	677.55	9
OH Other	PLANNED OUTAGE	4/8/2016 9:41:49 AM	643.40	1
OH_XFMR	PLANNED OUTAGE	4/8/2016 11:04:35 AM	812.80	6
OH Other	PLANNED OUTAGE	4/8/2016 11:40:23 AM	201.40	1
OH_XFMR	PLANNED OUTAGE	4/8/2016 12:58:05 PM	1,266.07	14
Service - Non Crew	PLANNED OUTAGE	4/8/2016 1:13:20 PM	13.83	1
OH_XFMR	PLANNED OUTAGE	4/11/2016 9:34:40 AM	3,264.80	12
OH_XFMR	PLANNED OUTAGE	4/11/2016 9:45:15 AM	741.77	14
OH_XFMR	PLANNED OUTAGE	4/11/2016 10:22:18 AM	282.57	1
OH_XFMR	PLANNED OUTAGE	4/11/2016 10:47:31 AM	674.33	7
OH_XFMR	PLANNED OUTAGE	4/11/2016 10:48:28 AM	1,575.57	11
OH Other	PLANNED OUTAGE	4/11/2016 10:51:36 AM	60.93	1
Service - Non Crew	PLANNED OUTAGE	4/11/2016 2:29:33 PM	42.85	1
OH_XFMR	PLANNED OUTAGE	4/12/2016 8:31:46 AM	5,979.40	14
OH_XFMR	PLANNED OUTAGE	4/12/2016 9:00:35 AM	2,515.80	12
Service - Non Crew	PLANNED OUTAGE	4/12/2016 9:06:29 AM	78.27	1
OH_XFMR	PLANNED OUTAGE	4/12/2016 9:11:08 AM	257.35	1
OH_XFMR	PLANNED OUTAGE	4/12/2016 9:54:49 AM	1,401.50	5
OH_XFMR	PLANNED OUTAGE	4/12/2016 9:56:44 AM	807.90	6
OH_XFMR	PLANNED OUTAGE	4/12/2016 10:18:16 AM	1,272.90	3
OH_XFMR	PLANNED OUTAGE	4/12/2016 10:27:27 AM	135.08	1
Service - Non Crew	PLANNED OUTAGE	4/12/2016 11:00:59 AM	51.63	1
OH_XFMR	PLANNED OUTAGE	4/12/2016 11:09:18 AM	135.48	1
OH_XFMR	PLANNED OUTAGE	4/12/2016 11:33:06 AM	466.50	6
OH_XFMR	PLANNED OUTAGE	4/12/2016 12:18:49 PM	709.33	8
OH_XFMR	PLANNED OUTAGE	4/12/2016 2:28:35 PM	1,338.67	8
Pole	PLANNED OUTAGE	4/13/2016 7:46:21 AM	257.12	1
OH_XFMR	PLANNED OUTAGE	4/13/2016 8:24:12 AM	261.17	1
ELBOW	PLANNED OUTAGE	4/13/2016 9:18:27 AM	2,584.17	5
OH_XFMR	PLANNED OUTAGE	4/13/2016 9:42:36 AM	2,317.33	11
OH_XFMR	PLANNED OUTAGE	4/13/2016 10:32:23 AM	537.05	3
None	PLANNED OUTAGE	4/13/2016 11:42:36 AM	75,704.07	28
UG_XFMR	PLANNED OUTAGE	4/13/2016 11:42:36 AM	752.00	8
OH_XFMR	PLANNED OUTAGE	4/13/2016 1:00:02 PM	392.50	2
TX Repaired (PM)	PLANNED OUTAGE	4/13/2016 2:09:18 PM	5,564.70	9
Service - Non Crew	PLANNED OUTAGE	4/13/2016 3:56:05 PM	29.62	1
OH_XFMR	PLANNED OUTAGE	4/13/2016 4:45:37 PM	798.00	8
OH_XFMR	PLANNED OUTAGE	4/13/2016 4:45:43 PM	1,097.43	11
Service - Non Crew	PLANNED OUTAGE	4/13/2016 5:27:36 PM	155.47	1
Step Restoration	PLANNED OUTAGE	4/13/2016 8:31:02 PM	372.00	72
Circuit Out	PLANNED OUTAGE	4/13/2016 8:31:02 PM	312.30	694
OH Other	PLANNED OUTAGE	4/14/2016 7:38:26 AM	70.85	1
Service - Non Crew	PLANNED OUTAGE	4/14/2016 7:41:02 AM	100.72	1
OH_XFMR	PLANNED OUTAGE	4/14/2016 9:11:15 AM	1,161.40	6

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OH_XFMR	PLANNED OUTAGE	4/14/2016 10:20:18 AM	910.42	5
OH_XFMR	PLANNED OUTAGE	4/14/2016 10:37:55 AM	82.88	1
Service - Non Crew	PLANNED OUTAGE	4/14/2016 11:17:07 AM	113.82	1
UG_XFMR	PLANNED OUTAGE	4/14/2016 11:31:03 AM	1,300.95	21
OH_XFMR	PLANNED OUTAGE	4/14/2016 11:48:53 AM	1,836.53	8
OH_XFMR	PLANNED OUTAGE	4/14/2016 11:55:55 AM	1,340.80	8
OH_XFMR	PLANNED OUTAGE	4/14/2016 12:36:00 PM	621.60	8
OH_XFMR	PLANNED OUTAGE	4/14/2016 1:04:30 PM	107.10	1
OH Other	PLANNED OUTAGE	4/14/2016 1:29:29 PM	70.13	1
OH_XFMR	PLANNED OUTAGE	4/15/2016 6:53:15 AM	235.92	1
OH Other	PLANNED OUTAGE	4/15/2016 8:11:41 AM	65.13	1
ELBOW	PLANNED OUTAGE	4/15/2016 8:45:55 AM	337.80	4
OH_XFMR	PLANNED OUTAGE	4/15/2016 9:23:03 AM	1,053.08	5
OH_XFMR	PLANNED OUTAGE	4/15/2016 8:08:12 PM	254.47	2
OH_XFMR	PLANNED OUTAGE	4/15/2016 8:08:12 PM	636.17	5
OH_XFMR	PLANNED OUTAGE	4/15/2016 8:08:12 PM	763.40	6
OH_XFMR	PLANNED OUTAGE	4/15/2016 8:08:12 PM	127.23	1
Circuit Out	PLANNED OUTAGE	4/16/2016 3:27:04 AM	45,975.07	3,178
OH_XFMR	PLANNED OUTAGE	4/17/2016 8:09:09 PM	848.60	12
UG Other	PLANNED OUTAGE	4/18/2016 7:25:14 AM	311.85	1
Service - Non Crew	PLANNED OUTAGE	4/18/2016 8:48:01 AM	29.77	1
OH_XFMR	PLANNED OUTAGE	4/18/2016 9:05:30 AM	377.50	5
ELBOW	PLANNED OUTAGE	4/18/2016 9:22:42 AM	316.27	4
ELBOW	PLANNED OUTAGE	4/18/2016 10:41:46 AM	143.00	3
OH_XFMR	PLANNED OUTAGE	4/18/2016 11:11:02 AM	212.68	1
OH_XFMR	PLANNED OUTAGE	4/18/2016 11:16:34 AM	1,683.90	3
OH_XFMR	PLANNED OUTAGE	4/18/2016 11:36:57 AM	183.80	6
OH_XFMR	PLANNED OUTAGE	4/18/2016 1:14:13 PM	940.65	9
OH_XFMR	PLANNED OUTAGE	4/18/2016 1:28:29 PM	104.78	1
OH_XFMR	PLANNED OUTAGE	4/18/2016 4:08:43 PM	538.87	2
UG Other	PLANNED OUTAGE	4/18/2016 4:29:30 PM	150.57	1
OH_XFMR	PLANNED OUTAGE	4/19/2016 8:22:17 AM	507.40	1
Service - Non Crew	PLANNED OUTAGE	4/19/2016 8:38:44 AM	115.27	1
Service - Non Crew	PLANNED OUTAGE	4/19/2016 9:26:26 AM	41.92	1
Service - Non Crew	PLANNED OUTAGE	4/19/2016 9:44:35 AM	47.07	1
OH_XFMR	PLANNED OUTAGE	4/19/2016 9:53:56 AM	211.05	1
OH_XFMR	PLANNED OUTAGE	4/19/2016 10:09:54 AM	1,054.33	10
OH_XFMR	PLANNED OUTAGE	4/19/2016 10:23:21 AM	412.85	3
ELBOW	PLANNED OUTAGE	4/19/2016 10:31:25 AM	1,673.53	4
ELBOW	PLANNED OUTAGE	4/19/2016 10:31:25 AM	2,092.83	5
OH_XFMR	PLANNED OUTAGE	4/19/2016 11:18:11 AM	372.52	7
OH Other	PLANNED OUTAGE	4/19/2016 12:01:37 PM	82.18	1
Circuit Out	PLANNED OUTAGE	4/19/2016 1:00:36 PM	75,514.20	1,143
Service - Non Crew	PLANNED OUTAGE	4/19/2016 2:47:54 PM	108.48	1
OH_XFMR	PLANNED OUTAGE	4/19/2016 4:37:16 PM	165.40	1
OH_XFMR	PLANNED OUTAGE	4/19/2016 5:08:06 PM	1,404.00	13
Service - Non Crew	PLANNED OUTAGE	4/19/2016 6:24:26 PM	230.27	1
OH Other	PLANNED OUTAGE	4/20/2016 8:02:42 AM	367.47	4
UG_XFMR	PLANNED OUTAGE	4/20/2016 8:08:35 AM	4,538.20	12
OH Other	PLANNED OUTAGE	4/20/2016 8:30:24 AM	66.68	1
UG_XFMR	PLANNED OUTAGE	4/20/2016 9:02:18 AM	88.00	1
OH_XFMR	PLANNED OUTAGE	4/20/2016 9:34:40 AM	2,958.30	9
OH_XFMR	PLANNED OUTAGE	4/20/2016 9:46:37 AM	536.43	7
OH_XFMR	PLANNED OUTAGE	4/20/2016 9:47:27 AM	76.00	1
OH_XFMR	PLANNED OUTAGE	4/20/2016 9:51:34 AM	668.80	6
UG_XFMR	PLANNED OUTAGE	4/20/2016 10:30:55 AM	65.90	1
OH_XFMR	PLANNED OUTAGE	4/20/2016 11:09:40 AM	166.85	3
UG_XFMR	PLANNED OUTAGE	4/20/2016 11:36:58 AM	200.67	2
UG_XFMR	PLANNED OUTAGE	4/20/2016 1:17:49 PM	87.68	1
Service - Non Crew	PLANNED OUTAGE	4/20/2016 4:55:41 PM	69.45	1
UG_XFMR	PLANNED OUTAGE	4/21/2016 8:40:19 AM	49.45	1

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OH_XFMR	PLANNED OUTAGE	4/21/2016 9:15:32 AM	2,172.60	9
OH_XFMR	PLANNED OUTAGE	4/21/2016 9:23:11 AM	563.87	8
OH_XFMR	PLANNED OUTAGE	4/21/2016 9:23:50 AM	2,197.80	12
OH_XFMR	PLANNED OUTAGE	4/21/2016 9:24:25 AM	1,096.00	6
OH Other	PLANNED OUTAGE	4/21/2016 11:17:18 AM	109.63	1
OH_XFMR	PLANNED OUTAGE	4/21/2016 1:09:37 PM	193.85	1
UG_XFMR	PLANNED OUTAGE	4/21/2016 1:11:15 PM	69.65	1
OH_XFMR	PLANNED OUTAGE	4/21/2016 1:24:13 PM	959.58	7
OH_XFMR	PLANNED OUTAGE	4/21/2016 4:54:33 PM	1,925.50	10
OH_XFMR	PLANNED OUTAGE	4/22/2016 6:49:42 AM	1,172.70	3
Service - Non Crew	PLANNED OUTAGE	4/22/2016 8:50:49 AM	37.57	1
UG_XFMR	PLANNED OUTAGE	4/22/2016 9:02:50 AM	37.07	1
OH_XFMR	PLANNED OUTAGE	4/22/2016 9:27:59 AM	4,532.00	11
OH_XFMR	PLANNED OUTAGE	4/22/2016 9:44:29 AM	200.68	1
UG_XFMR	PLANNED OUTAGE	4/22/2016 10:21:28 AM	72.48	1
OH_XFMR	PLANNED OUTAGE	4/22/2016 1:13:23 PM	7,293.73	8
UG_XFMR	PLANNED OUTAGE	4/22/2016 1:16:52 PM	1,420.18	37
OH Other	PLANNED OUTAGE	4/23/2016 8:34:51 AM	99.07	1
OH Other	PLANNED OUTAGE	4/23/2016 10:52:58 AM	45.38	1
OH_XFMR	PLANNED OUTAGE	4/23/2016 1:56:23 PM	651.52	13
Service - Non Crew	PLANNED OUTAGE	4/24/2016 9:08:49 AM	82.38	1
OH_XFMR	PLANNED OUTAGE	4/24/2016 9:41:52 AM	3.23	2
TX Repaired (OH)	PLANNED OUTAGE	4/24/2016 9:47:29 PM	2,357.90	6
Service - Non Crew	PLANNED OUTAGE	4/25/2016 9:47:19 AM	41.47	1
OH_XFMR	PLANNED OUTAGE	4/25/2016 9:47:40 AM	954.45	3
POLE	PLANNED OUTAGE	4/25/2016 9:50:14 AM	1,244.90	2
OH Other	PLANNED OUTAGE	4/25/2016 10:08:00 AM	42.50	1
OH_XFMR	PLANNED OUTAGE	4/25/2016 2:03:19 PM	594.30	3
OH_XFMR	PLANNED OUTAGE	4/25/2016 2:04:13 PM	983.75	5
OH_XFMR	PLANNED OUTAGE	4/26/2016 9:02:44 AM	2,171.60	6
OH_XFMR	PLANNED OUTAGE	4/26/2016 9:12:41 AM	1,128.40	6
OH_XFMR	PLANNED OUTAGE	4/26/2016 9:30:48 AM	103.85	1
OH_XFMR	PLANNED OUTAGE	4/26/2016 9:55:30 AM	82.92	1
OH_XFMR	PLANNED OUTAGE	4/26/2016 10:56:40 AM	5,383.75	15
Service - Non Crew	PLANNED OUTAGE	4/26/2016 11:35:27 AM	36.03	1
Service - Non Crew	PLANNED OUTAGE	4/26/2016 11:47:40 AM	126.38	1
OH_XFMR	PLANNED OUTAGE	4/26/2016 12:33:35 PM	61.22	1
Service - Non Crew	PLANNED OUTAGE	4/26/2016 1:13:02 PM	101.82	1
Service - Crew	PLANNED OUTAGE	4/26/2016 2:15:52 PM	254.48	1
Service - Non Crew	PLANNED OUTAGE	4/27/2016 7:36:18 AM	151.98	1
OH_XFMR	PLANNED OUTAGE	4/27/2016 8:43:35 AM	2,099.40	9
OH_XFMR	PLANNED OUTAGE	4/27/2016 8:49:01 AM	1,368.20	6
OH_XFMR	PLANNED OUTAGE	4/27/2016 8:58:58 AM	2,050.13	8
OH_XFMR	PLANNED OUTAGE	4/27/2016 9:53:48 AM	1,129.70	6
Circuit Out	PLANNED OUTAGE	4/27/2016 10:50:34 AM	464.40	129
OH_XFMR	PLANNED OUTAGE	4/27/2016 11:16:42 AM	593.33	5
OH_XFMR	PLANNED OUTAGE	4/27/2016 11:29:38 AM	2,464.30	6
UG Other	PLANNED OUTAGE	4/27/2016 12:02:23 PM	56.50	1
Service - Non Crew	PLANNED OUTAGE	4/27/2016 2:06:11 PM	34.52	1
OH_XFMR	PLANNED OUTAGE	4/27/2016 2:20:49 PM	879.45	13
OH_XFMR	PLANNED OUTAGE	4/27/2016 3:45:44 PM	1,315.47	8
OH_XFMR	PLANNED OUTAGE	4/27/2016 7:20:20 PM	119.33	5
OH_XFMR	PLANNED OUTAGE	4/27/2016 10:52:03 PM	715.30	2
Service - Non Crew	PLANNED OUTAGE	4/28/2016 8:36:50 AM	375.88	1
Service - Non Crew	PLANNED OUTAGE	4/28/2016 8:47:58 AM	278.27	1
TRANSMISSION_STRUCTURE	PLANNED OUTAGE	4/28/2016 9:02:26 AM	614.63	2
OH_XFMR	PLANNED OUTAGE	4/28/2016 9:12:56 AM	541.00	10
Service - Non Crew	PLANNED OUTAGE	4/28/2016 10:00:56 AM	108.00	1
OH_XFMR	PLANNED OUTAGE	4/28/2016 10:10:23 AM	810.00	2
OH_XFMR	PLANNED OUTAGE	4/28/2016 10:36:21 AM	227.92	1
OH_XFMR	PLANNED OUTAGE	4/28/2016 11:01:55 AM	2,123.70	6

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OH_XFMR	PLANNED OUTAGE	4/28/2016 11:55:14 AM	1,493.25	5
OH_XFMR	PLANNED OUTAGE	4/28/2016 1:12:59 PM	904.63	7
OH_XFMR	PLANNED OUTAGE	4/29/2016 10:30:41 AM	1,181.07	8
OH_XFMR	PLANNED OUTAGE	4/29/2016 11:46:47 AM	505.97	1
OH_XFMR	PLANNED OUTAGE	4/29/2016 1:49:10 PM	91.80	6
OH_XFMR	PLANNED OUTAGE	4/29/2016 2:19:52 PM	1,051.65	3
TX Repaired (OH)	PLANNED OUTAGE	4/29/2016 4:22:46 PM	30.02	1
Circuit Out	PLANNED OUTAGE	4/30/2016 9:36:09 AM	1,540.80	856
TX Repaired (PM)	PLANNED OUTAGE	5/1/2016 8:10:52 PM	11,096.80	22
Step Restoration	PLANNED OUTAGE	5/1/2016 8:10:52 PM	10,592.40	21
Service - Non Crew	PLANNED OUTAGE	5/2/2016 7:46:43 AM	103.40	1
Service - Non Crew	PLANNED OUTAGE	5/2/2016 9:03:36 AM	196.98	1
ELBOW	PLANNED OUTAGE	5/2/2016 9:24:31 AM	409.00	6
OH_XFMR	PLANNED OUTAGE	5/2/2016 9:34:00 AM	6,466.33	19
OH_XFMR	PLANNED OUTAGE	5/2/2016 10:31:21 AM	83.48	1
OH_XFMR	PLANNED OUTAGE	5/2/2016 11:23:40 AM	1,961.87	7
OH Other	PLANNED OUTAGE	5/2/2016 1:15:26 PM	92.78	1
OH Other	PLANNED OUTAGE	5/2/2016 2:18:59 PM	89.35	1
OH_XFMR	PLANNED OUTAGE	5/2/2016 3:25:28 PM	504.00	7
OH_XFMR	PLANNED OUTAGE	5/3/2016 9:13:44 AM	3,586.67	16
ELBOW	PLANNED OUTAGE	5/3/2016 9:17:37 AM	331.07	8
OH_XFMR	PLANNED OUTAGE	5/3/2016 10:20:01 AM	18,140.27	32
Step Restoration	PLANNED OUTAGE	5/3/2016 12:48:27 PM	23,100.00	525
Circuit Out	PLANNED OUTAGE	5/3/2016 2:27:24 PM	790.05	229
OH Other	PLANNED OUTAGE	5/3/2016 3:02:57 PM	201.82	1
Service - Non Crew	PLANNED OUTAGE	5/3/2016 4:48:12 PM	170.17	1
OH Other	PLANNED OUTAGE	5/4/2016 6:38:17 AM	507,611.75	705
OH Other	PLANNED OUTAGE	5/4/2016 7:48:40 AM	176.67	1
OH Other	PLANNED OUTAGE	5/4/2016 4:16:43 PM	196.63	1
Circuit Out	PLANNED OUTAGE	5/4/2016 4:44:11 PM	1,487.50	1,275
OH Other	PLANNED OUTAGE	5/4/2016 8:55:55 PM	148.28	1
Circuit Out	PLANNED OUTAGE	5/4/2016 10:14:56 PM	1,730.00	692
Circuit Out	PLANNED OUTAGE	5/4/2016 11:27:39 PM	33,651.67	1,324
Circuit Out	PLANNED OUTAGE	5/5/2016 5:27:12 AM	10,431.50	1,346
Service - Non Crew	PLANNED OUTAGE	5/5/2016 7:04:15 AM	146.43	1
OH Other	PLANNED OUTAGE	5/5/2016 8:08:40 AM	133.87	1
Service - Non Crew	PLANNED OUTAGE	5/5/2016 8:41:48 AM	119.23	1
OH_XFMR	PLANNED OUTAGE	5/5/2016 8:49:10 AM	343.82	7
Service - Non Crew	PLANNED OUTAGE	5/5/2016 8:49:47 AM	148.60	1
OH_XFMR	PLANNED OUTAGE	5/5/2016 8:59:35 AM	3,020.78	11
OH_XFMR	PLANNED OUTAGE	5/5/2016 9:02:45 AM	3,842.85	9
UG Other	PLANNED OUTAGE	5/5/2016 10:35:57 AM	226.88	1
Service - Non Crew	PLANNED OUTAGE	5/5/2016 10:54:53 AM	258.78	1
OH_XFMR	PLANNED OUTAGE	5/5/2016 10:58:31 AM	2,791.80	9
OH_XFMR	PLANNED OUTAGE	5/5/2016 11:07:36 AM	1,605.90	9
Service - Non Crew	PLANNED OUTAGE	5/5/2016 11:51:31 AM	73.82	1
ELBOW	PLANNED OUTAGE	5/5/2016 1:00:30 PM	28.00	48
OH_XFMR	PLANNED OUTAGE	5/5/2016 4:11:39 PM	1,943.70	11
Service - Crew	PLANNED OUTAGE	5/5/2016 5:55:19 PM	850.88	1
TX Repaired (OH)	PLANNED OUTAGE	5/5/2016 7:33:11 PM	39.45	1
Service - Non Crew	PLANNED OUTAGE	5/6/2016 10:11:40 AM	40.92	1
OH_XFMR	PLANNED OUTAGE	5/6/2016 10:30:02 AM	643.87	2
OH_XFMR	PLANNED OUTAGE	5/6/2016 11:55:48 AM	90.38	1
OH_XFMR	PLANNED OUTAGE	5/6/2016 11:45:41 PM	3,090.27	8
Circuit Out	PLANNED OUTAGE	5/7/2016 5:28:08 AM	16,806.87	452
Circuit Out	PLANNED OUTAGE	5/7/2016 6:40:37 PM	1,861.80	428
OH Other	PLANNED OUTAGE	5/9/2016 8:08:40 AM	137.47	1
OH Other	PLANNED OUTAGE	5/9/2016 8:16:02 AM	52.70	1
ELBOW	PLANNED OUTAGE	5/9/2016 9:22:37 AM	2,322.00	27
OH_XFMR	PLANNED OUTAGE	5/9/2016 9:45:02 AM	699.93	2
OH_XFMR	PLANNED OUTAGE	5/9/2016 9:52:14 AM	3,051.30	7

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OH_XFMR	PLANNED OUTAGE	5/9/2016 9:52:21 AM	871.70	2
OH_XFMR	PLANNED OUTAGE	5/9/2016 10:05:03 AM	1,683.80	6
TRANSMISSION_STRUCTURE	PLANNED OUTAGE	5/9/2016 10:19:29 AM	139.05	1
OH_XFMR	PLANNED OUTAGE	5/9/2016 10:44:19 AM	767.93	2
OH_XFMR	PLANNED OUTAGE	5/9/2016 12:55:10 PM	794.53	8
TX Repaired (PM)	PLANNED OUTAGE	5/10/2016 7:34:41 AM	325.32	1
Service - Non Crew	PLANNED OUTAGE	5/10/2016 7:42:18 AM	172.58	1
ELBOW	PLANNED OUTAGE	5/10/2016 8:15:21 AM	867.07	28
OH_XFMR	PLANNED OUTAGE	5/10/2016 9:34:18 AM	1,532.27	4
OH_XFMR	PLANNED OUTAGE	5/10/2016 10:26:28 AM	684.90	6
OH_XFMR	PLANNED OUTAGE	5/10/2016 10:28:54 AM	247.50	1
Service - Non Crew	PLANNED OUTAGE	5/10/2016 11:09:40 AM	82.78	1
OH_XFMR	PLANNED OUTAGE	5/10/2016 2:19:18 PM	571.58	5
OH Other	PLANNED OUTAGE	5/10/2016 3:52:15 PM	14,062.67	199
UG_XFMR	PLANNED OUTAGE	5/11/2016 4:29:13 AM	234.15	7
Service - Non Crew	PLANNED OUTAGE	5/11/2016 8:37:18 AM	136.97	1
Service - Non Crew	PLANNED OUTAGE	5/11/2016 8:39:28 AM	168.48	1
OH Other	PLANNED OUTAGE	5/11/2016 10:49:09 AM	58.00	1
OH_XFMR	PLANNED OUTAGE	5/11/2016 11:08:27 AM	138.07	4
OH_XFMR	PLANNED OUTAGE	5/11/2016 11:43:38 AM	414.70	6
OH_XFMR	PLANNED OUTAGE	5/11/2016 12:47:46 PM	38.90	6
OH_XFMR	PLANNED OUTAGE	5/11/2016 1:29:00 PM	1,793.92	11
UG Other	PLANNED OUTAGE	5/11/2016 3:19:48 PM	55.95	1
Circuit Out	PLANNED OUTAGE	5/11/2016 8:53:36 PM	14,925.47	1,256
OH_XFMR	PLANNED OUTAGE	5/11/2016 11:27:38 PM	587.00	6
OH_XFMR	PLANNED OUTAGE	5/12/2016 8:03:47 AM	369.08	5
OH_XFMR	PLANNED OUTAGE	5/12/2016 8:25:45 AM	1,277.90	13
OH Other	PLANNED OUTAGE	5/12/2016 8:54:53 AM	165.25	1
OH Other	PLANNED OUTAGE	5/12/2016 9:10:35 AM	19.12	1
OH_XFMR	PLANNED OUTAGE	5/12/2016 9:16:36 AM	244.83	10
OH Other	PLANNED OUTAGE	5/12/2016 9:19:48 AM	2,957.50	546
OH_XFMR	PLANNED OUTAGE	5/12/2016 9:27:03 AM	2,819.40	6
OH_XFMR	PLANNED OUTAGE	5/12/2016 10:07:04 AM	164.80	3
ELBOW	PLANNED OUTAGE	5/12/2016 10:59:19 AM	462.58	7
OH_XFMR	PLANNED OUTAGE	5/12/2016 11:01:41 AM	1,861.83	5
OH_XFMR	PLANNED OUTAGE	5/12/2016 12:08:33 PM	2,998.90	6
Service - Non Crew	PLANNED OUTAGE	5/12/2016 12:36:48 PM	90.18	1
OH_XFMR	PLANNED OUTAGE	5/12/2016 1:00:05 PM	483.47	7
OH_XFMR	PLANNED OUTAGE	5/13/2016 4:39:20 AM	821.13	1
UG Other	PLANNED OUTAGE	5/13/2016 7:57:28 AM	526.47	1
OH_XFMR	PLANNED OUTAGE	5/13/2016 8:08:43 AM	1,086.53	8
Service - Non Crew	PLANNED OUTAGE	5/13/2016 8:14:14 AM	300.62	1
OH_XFMR	PLANNED OUTAGE	5/13/2016 8:34:05 AM	251.77	2
OH_XFMR	PLANNED OUTAGE	5/13/2016 8:55:38 AM	1,096.05	9
Service - Non Crew	PLANNED OUTAGE	5/13/2016 9:19:00 AM	36.80	1
OH_XFMR	PLANNED OUTAGE	5/13/2016 10:02:06 AM	158.52	1
UG Other	PLANNED OUTAGE	5/13/2016 11:00:04 AM	118.23	1
OH_XFMR	PLANNED OUTAGE	5/13/2016 11:55:21 AM	121.25	1
OH_XFMR	PLANNED OUTAGE	5/13/2016 2:00:42 PM	817.42	5
Service - Non Crew	PLANNED OUTAGE	5/13/2016 5:14:30 PM	170.27	1
PRIMARY_FUSE	PLANNED OUTAGE	5/14/2016 8:57:09 AM	264.17	1
OH_XFMR	PLANNED OUTAGE	5/15/2016 8:32:24 AM	708.40	8
OH_XFMR	PLANNED OUTAGE	5/15/2016 9:31:47 AM	170.75	5
OCR, Sec.	PLANNED OUTAGE	5/15/2016 12:15:00 PM	895.50	398
Service - Non Crew	PLANNED OUTAGE	5/16/2016 8:18:32 AM	137.82	1
OH_XFMR	PLANNED OUTAGE	5/16/2016 9:05:24 AM	2,986.33	10
OH_XFMR	PLANNED OUTAGE	5/16/2016 9:36:56 AM	4,146.67	4
OH_XFMR	PLANNED OUTAGE	5/16/2016 9:56:26 AM	449.25	3
OH_XFMR	PLANNED OUTAGE	5/16/2016 10:15:37 AM	3,024.80	19
OH Other	PLANNED OUTAGE	5/16/2016 10:25:01 AM	98.22	1
OH_XFMR	PLANNED OUTAGE	5/16/2016 10:38:22 AM	2,807.83	10

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OH_XFMR	PLANNED OUTAGE	5/16/2016 11:02:02 AM	299.12	1
OH_XFMR	PLANNED OUTAGE	5/16/2016 11:04:09 AM	2,194.35	9
Service - Non Crew	PLANNED OUTAGE	5/16/2016 12:24:43 PM	56.45	1
OH_XFMR	PLANNED OUTAGE	5/16/2016 12:53:48 PM	657.55	3
OH Other	PLANNED OUTAGE	5/16/2016 1:19:03 PM	265.53	7
Service - Non Crew	PLANNED OUTAGE	5/16/2016 1:52:40 PM	69.72	1
OH_XFMR	PLANNED OUTAGE	5/16/2016 2:25:54 PM	329.40	4
Service - Non Crew	PLANNED OUTAGE	5/16/2016 2:33:38 PM	57.23	1
TX Repaired (PM)	PLANNED OUTAGE	5/16/2016 2:53:24 PM	527.17	1
Service - Non Crew	PLANNED OUTAGE	5/17/2016 8:58:33 AM	113.13	1
ELBOW	PLANNED OUTAGE	5/17/2016 8:59:50 AM	93.40	3
ELBOW	PLANNED OUTAGE	5/17/2016 8:59:50 AM	591.53	19
OH_XFMR	PLANNED OUTAGE	5/17/2016 10:11:17 AM	446.70	3
OH_XFMR	PLANNED OUTAGE	5/17/2016 10:20:25 AM	598.23	2
OH_XFMR	PLANNED OUTAGE	5/17/2016 10:20:25 AM	598.23	2
OH_XFMR	PLANNED OUTAGE	5/17/2016 10:25:25 AM	964.93	4
ELBOW	PLANNED OUTAGE	5/17/2016 11:07:29 AM	155.60	4
ELBOW	PLANNED OUTAGE	5/17/2016 11:07:29 AM	194.50	5
Service - Non Crew	PLANNED OUTAGE	5/17/2016 2:00:03 PM	206.97	1
UG Other	PLANNED OUTAGE	5/17/2016 3:11:38 PM	402.75	1
Service - Non Crew	PLANNED OUTAGE	5/17/2016 3:57:10 PM	45.83	1
Service - Non Crew	PLANNED OUTAGE	5/17/2016 5:22:34 PM	55.12	1
OH Other	PLANNED OUTAGE	5/17/2016 9:43:57 PM	261.75	1
OH_XFMR	PLANNED OUTAGE	5/17/2016 10:52:00 PM	401.00	6
Service - Non Crew	PLANNED OUTAGE	5/18/2016 7:45:59 AM	218.13	2
OH_XFMR	PLANNED OUTAGE	5/18/2016 8:24:22 AM	1,965.10	6
OH_XFMR	PLANNED OUTAGE	5/18/2016 8:24:22 AM	1,965.10	6
Service - Non Crew	PLANNED OUTAGE	5/18/2016 9:17:38 AM	80.00	1
ELBOW	PLANNED OUTAGE	5/18/2016 9:42:04 AM	294.80	8
OH_XFMR	PLANNED OUTAGE	5/18/2016 9:57:02 AM	3,152.68	7
Service - Non Crew	PLANNED OUTAGE	5/18/2016 9:57:31 AM	103.82	1
OH_XFMR	PLANNED OUTAGE	5/18/2016 10:04:46 AM	182.10	1
OH_XFMR	PLANNED OUTAGE	5/18/2016 10:38:36 AM	818.50	2
OH_XFMR	PLANNED OUTAGE	5/18/2016 11:50:51 AM	1,115.68	7
OH_XFMR	PLANNED OUTAGE	5/18/2016 11:52:48 AM	2,730.75	15
OH_XFMR	PLANNED OUTAGE	5/18/2016 12:28:13 PM	600.33	2
OH_XFMR	PLANNED OUTAGE	5/18/2016 12:31:17 PM	594.63	2
OH_XFMR	PLANNED OUTAGE	5/18/2016 12:44:41 PM	714.10	6
Service - Non Crew	PLANNED OUTAGE	5/18/2016 3:47:12 PM	60.00	1
OH_XFMR	PLANNED OUTAGE	5/18/2016 4:26:36 PM	456.67	4
OH_XFMR	PLANNED OUTAGE	5/18/2016 5:24:16 PM	1,187.17	5
OH_XFMR	PLANNED OUTAGE	5/18/2016 5:24:16 PM	1,662.38	7
OH_XFMR	PLANNED OUTAGE	5/19/2016 8:20:42 AM	1,507.08	5
Service - Non Crew	PLANNED OUTAGE	5/19/2016 8:27:42 AM	76.12	1
OH_XFMR	PLANNED OUTAGE	5/19/2016 8:37:14 AM	2,484.20	6
OH_XFMR	PLANNED OUTAGE	5/19/2016 9:00:13 AM	1,386.80	6
OH Other	PLANNED OUTAGE	5/19/2016 9:20:16 AM	202.27	1
OH_XFMR	PLANNED OUTAGE	5/19/2016 9:54:59 AM	794.07	4
OH Other	PLANNED OUTAGE	5/19/2016 10:08:59 AM	186.85	1
OH_XFMR	PLANNED OUTAGE	5/19/2016 10:54:43 AM	182.45	3
OH_XFMR	PLANNED OUTAGE	5/19/2016 12:29:34 PM	202.00	3
OH_XFMR	PLANNED OUTAGE	5/19/2016 12:31:00 PM	120.63	1
OH_XFMR	PLANNED OUTAGE	5/19/2016 12:41:41 PM	277.63	1
OH_XFMR	PLANNED OUTAGE	5/19/2016 12:41:41 PM	277.63	1
OH_XFMR	PLANNED OUTAGE	5/19/2016 12:58:47 PM	948.60	12
OH_XFMR	PLANNED OUTAGE	5/19/2016 1:00:06 PM	289.95	3
OH_XFMR	PLANNED OUTAGE	5/19/2016 1:12:46 PM	481.60	7
OH_XFMR	PLANNED OUTAGE	5/19/2016 2:43:49 PM	752.73	4
OH_XFMR	PLANNED OUTAGE	5/19/2016 7:34:22 PM	1,534.00	10
OH Other	PLANNED OUTAGE	5/20/2016 8:03:07 AM	132.58	1
ELBOW	PLANNED OUTAGE	5/20/2016 9:18:44 AM	838.93	13

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OH Other	PLANNED OUTAGE	5/20/2016 9:26:53 AM	105.50	1
UG Other	PLANNED OUTAGE	5/20/2016 9:58:17 AM	86.02	1
UG Other	PLANNED OUTAGE	5/20/2016 2:06:01 PM	352.90	1
Service - Non Crew	PLANNED OUTAGE	5/20/2016 2:28:54 PM	143.72	1
Step Restoration	PLANNED OUTAGE	5/20/2016 11:49:52 PM	51,275.77	242
TX Repaired (OH)	PLANNED OUTAGE	5/21/2016 4:09:55 AM	8.58	1
UG Other	PLANNED OUTAGE	5/21/2016 8:56:18 AM	101.60	1
OH_XFMR	PLANNED OUTAGE	5/21/2016 11:32:06 AM	5,317.43	14
OH_XFMR	PLANNED OUTAGE	5/21/2016 12:42:27 PM	630.90	9
Circuit Out	PLANNED OUTAGE	5/21/2016 12:53:54 PM	2,533.85	187
OH_XFMR	PLANNED OUTAGE	5/21/2016 1:41:05 PM	108.25	3
OH_XFMR	PLANNED OUTAGE	5/22/2016 8:40:02 AM	978.75	5
OH_XFMR	PLANNED OUTAGE	5/22/2016 2:31:19 PM	1,760.42	5
Service - Non Crew	PLANNED OUTAGE	5/23/2016 8:09:13 AM	101.98	1
OH_XFMR	PLANNED OUTAGE	5/23/2016 10:41:11 AM	1,624.67	5
OH_XFMR	PLANNED OUTAGE	5/23/2016 11:02:59 AM	358.92	5
OH_XFMR	PLANNED OUTAGE	5/23/2016 11:04:29 AM	213.25	3
OH_XFMR	PLANNED OUTAGE	5/23/2016 11:07:57 AM	1,244.53	13
Service - Non Crew	PLANNED OUTAGE	5/23/2016 12:37:22 PM	64.07	1
OH_XFMR	PLANNED OUTAGE	5/23/2016 1:14:14 PM	775.00	6
OH_XFMR	PLANNED OUTAGE	5/23/2016 2:28:15 PM	331.03	2
OH_XFMR	PLANNED OUTAGE	5/23/2016 3:08:41 PM	310.40	4
OH_XFMR	PLANNED OUTAGE	5/23/2016 3:17:37 PM	1,339.40	6
OH Other	PLANNED OUTAGE	5/24/2016 7:25:47 AM	102.55	1
OH_XFMR	PLANNED OUTAGE	5/24/2016 8:27:19 AM	1,181.25	7
ELBOW	PLANNED OUTAGE	5/24/2016 8:37:33 AM	2,387.00	28
ELBOW	PLANNED OUTAGE	5/24/2016 8:55:26 AM	30.33	1
OH_XFMR	PLANNED OUTAGE	5/24/2016 9:43:21 AM	2,147.60	8
OH_XFMR	PLANNED OUTAGE	5/24/2016 9:49:46 AM	3,754.40	12
OH_XFMR	PLANNED OUTAGE	5/24/2016 10:54:00 AM	301.20	4
Service - Non Crew	PLANNED OUTAGE	5/24/2016 11:00:49 AM	96.37	1
OH Other	PLANNED OUTAGE	5/24/2016 11:14:15 AM	195.17	1
OH_XFMR	PLANNED OUTAGE	5/24/2016 12:53:14 PM	2,598.33	20
OH_XFMR	PLANNED OUTAGE	5/24/2016 4:28:21 PM	1,058.70	9
OH_XFMR	PLANNED OUTAGE	5/25/2016 9:10:00 AM	2,079.47	8
OH_XFMR	PLANNED OUTAGE	5/25/2016 9:13:44 AM	893.57	1
OH_XFMR	PLANNED OUTAGE	5/25/2016 10:03:47 AM	1,587.20	12
OH_XFMR	PLANNED OUTAGE	5/25/2016 10:09:50 AM	293.85	3
OH_XFMR	PLANNED OUTAGE	5/25/2016 10:10:36 AM	262.48	1
OH_XFMR	PLANNED OUTAGE	5/25/2016 10:21:58 AM	843.00	3
OH_XFMR	PLANNED OUTAGE	5/25/2016 10:50:28 AM	1,141.65	3
OH_XFMR	PLANNED OUTAGE	5/26/2016 8:12:30 AM	1,031.47	4
OH_XFMR	PLANNED OUTAGE	5/26/2016 8:52:45 AM	1,500.00	10
OH_XFMR	PLANNED OUTAGE	5/26/2016 9:04:04 AM	220.83	1
OH_XFMR	PLANNED OUTAGE	5/26/2016 9:40:50 AM	1,447.50	5
OH_XFMR	PLANNED OUTAGE	5/26/2016 11:08:30 AM	4,600.67	20
OH_XFMR	PLANNED OUTAGE	5/26/2016 11:32:17 AM	287.08	5
OH_XFMR	PLANNED OUTAGE	5/26/2016 12:20:43 PM	636.17	11
OH_XFMR	PLANNED OUTAGE	5/26/2016 12:39:47 PM	841.60	2
OH_XFMR	PLANNED OUTAGE	5/26/2016 12:57:06 PM	598.75	3
OH Other	PLANNED OUTAGE	5/26/2016 1:00:11 PM	127.18	1
OH_XFMR	PLANNED OUTAGE	5/26/2016 1:10:05 PM	2,260.17	10
OH_XFMR	PLANNED OUTAGE	5/26/2016 6:40:00 PM	2,508.75	9
OH_XFMR	PLANNED OUTAGE	5/27/2016 2:08:27 AM	1,227.92	7
OH Other	PLANNED OUTAGE	5/27/2016 8:26:10 AM	80.60	1
Service - Crew	PLANNED OUTAGE	5/27/2016 8:48:56 AM	177.15	1
OH Other	PLANNED OUTAGE	5/27/2016 9:24:01 AM	56.45	1
OH Other	PLANNED OUTAGE	5/27/2016 9:59:23 AM	49.85	1
Service - Non Crew	PLANNED OUTAGE	5/27/2016 10:17:43 AM	4.58	1
OH_XFMR	PLANNED OUTAGE	5/27/2016 10:43:01 AM	4,131.05	11
OH Other	PLANNED OUTAGE	5/27/2016 1:42:55 PM	504.60	1

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Circuit Out	PLANNED OUTAGE	5/28/2016 4:25:01 AM	33,700.45	1,533
OH Other	PLANNED OUTAGE	5/28/2016 9:18:33 AM	60.90	1
POLE	PLANNED OUTAGE	5/31/2016 8:59:09 AM	283.23	1
OH_XFMR	PLANNED OUTAGE	5/31/2016 9:31:22 AM	1,283.00	4
OH_XFMR	PLANNED OUTAGE	5/31/2016 9:54:28 AM	3,628.83	10
TX Repaired (PM)	PLANNED OUTAGE	5/31/2016 10:09:10 AM	2,793.07	8
OH_XFMR	PLANNED OUTAGE	5/31/2016 10:14:10 AM	3,902.00	12
OH_XFMR	PLANNED OUTAGE	5/31/2016 11:08:20 AM	1,167.60	6
OH_XFMR	PLANNED OUTAGE	5/31/2016 1:18:00 PM	408.30	2
OH_XFMR	PLANNED OUTAGE	5/31/2016 1:54:59 PM	342.10	6
OH_XFMR	PLANNED OUTAGE	5/31/2016 1:54:59 PM	171.05	3
OH_XFMR	PLANNED OUTAGE	5/31/2016 5:00:22 PM	864.60	9
Service - Non Crew	PLANNED OUTAGE	6/1/2016 8:47:02 AM	160.68	1
OH_XFMR	PLANNED OUTAGE	6/1/2016 9:27:58 AM	938.85	11
ELBOW	PLANNED OUTAGE	6/1/2016 9:35:58 AM	1,076.18	13
OH_XFMR	PLANNED OUTAGE	6/1/2016 10:02:06 AM	272.65	1
OH_XFMR	PLANNED OUTAGE	6/1/2016 10:34:09 AM	256.67	8
OH_XFMR	PLANNED OUTAGE	6/1/2016 10:43:24 AM	2,251.50	10
OH_XFMR	PLANNED OUTAGE	6/1/2016 3:43:14 PM	610.17	7
OH_XFMR	PLANNED OUTAGE	6/1/2016 6:21:07 PM	757.17	14
OH_XFMR	PLANNED OUTAGE	6/2/2016 7:59:43 AM	2,722.30	6
OH_XFMR	PLANNED OUTAGE	6/2/2016 8:19:36 AM	3,076.00	20
OH_XFMR	PLANNED OUTAGE	6/2/2016 8:36:10 AM	4,583.15	11
OH_XFMR	PLANNED OUTAGE	6/2/2016 9:05:35 AM	1,332.15	3
ELBOW	PLANNED OUTAGE	6/2/2016 9:06:29 AM	750.75	9
ELBOW	PLANNED OUTAGE	6/2/2016 9:06:29 AM	5,088.42	61
ELBOW	PLANNED OUTAGE	6/2/2016 9:36:03 AM	578.67	8
OH_XFMR	PLANNED OUTAGE	6/2/2016 1:33:09 PM	699.43	2
OH_XFMR	PLANNED OUTAGE	6/3/2016 6:02:19 AM	764.65	3
OH Other	PLANNED OUTAGE	6/3/2016 8:11:39 AM	13.00	1
Service - Non Crew	PLANNED OUTAGE	6/3/2016 8:31:51 AM	264.58	1
OH_XFMR	PLANNED OUTAGE	6/3/2016 6:09:13 PM	354.60	1
ELBOW	PLANNED OUTAGE	6/3/2016 7:06:13 PM	131.63	1
OH_XFMR	PLANNED OUTAGE	6/4/2016 4:26:14 AM	533.50	6
OH_XFMR	PLANNED OUTAGE	6/4/2016 8:38:22 AM	730.93	4
OH_XFMR	PLANNED OUTAGE	6/4/2016 8:47:22 AM	1,099.65	9
Service - Crew	PLANNED OUTAGE	6/4/2016 11:23:21 AM	115.73	1
Service - Non Crew	PLANNED OUTAGE	6/4/2016 2:37:03 PM	92.77	1
UG_XFMR	PLANNED OUTAGE	6/4/2016 11:24:13 PM	1,286.40	12
Circuit Out	PLANNED OUTAGE	6/5/2016 3:41:07 PM	6,634.90	1,543
OH_XFMR	PLANNED OUTAGE	6/5/2016 9:08:54 PM	2,749.07	13
ELBOW	PLANNED OUTAGE	6/6/2016 6:19:33 AM	86.48	1
OH_XFMR	PLANNED OUTAGE	6/6/2016 9:49:32 PM	534.73	2
OH_XFMR	PLANNED OUTAGE	6/7/2016 10:50:49 AM	806.25	5
OH_XFMR	PLANNED OUTAGE	6/7/2016 3:39:21 PM	946.67	5
OH_XFMR	PLANNED OUTAGE	6/7/2016 7:27:26 PM	181.80	9
OH_XFMR	PLANNED OUTAGE	6/8/2016 12:40:04 AM	62.93	2
OCR, Sec.	PLANNED OUTAGE	6/8/2016 1:57:45 AM	2,109.80	77
TX Repaired (OH)	PLANNED OUTAGE	6/8/2016 9:40:27 AM	88.17	1
OH_XFMR	PLANNED OUTAGE	6/8/2016 10:55:02 AM	1,671.08	5
OH Other	PLANNED OUTAGE	6/8/2016 1:22:18 PM	33.47	1
OH_XFMR	PLANNED OUTAGE	6/9/2016 9:23:05 AM	1,136.83	10
OH_XFMR	PLANNED OUTAGE	6/9/2016 11:09:52 AM	70.17	10
OH_XFMR	PLANNED OUTAGE	6/9/2016 11:42:28 AM	290.15	3
OH_XFMR	PLANNED OUTAGE	6/9/2016 12:13:12 PM	1,865.58	5
OH_XFMR	PLANNED OUTAGE	6/9/2016 12:13:12 PM	373.12	1
OH_XFMR	PLANNED OUTAGE	6/9/2016 12:33:53 PM	939.80	12
OH_XFMR	PLANNED OUTAGE	6/9/2016 1:32:46 PM	727.03	2
OH_XFMR	PLANNED OUTAGE	6/9/2016 1:33:07 PM	726.07	2
Service - Non Crew	PLANNED OUTAGE	6/10/2016 9:04:37 AM	46.37	1
OH_XFMR	PLANNED OUTAGE	6/10/2016 9:14:53 AM	13,119.80	12

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OH_XFMR	PLANNED OUTAGE	6/10/2016 10:36:05 AM	446.27	2
OH_XFMR	PLANNED OUTAGE	6/10/2016 11:25:09 AM	74.13	2
OH_XFMR	PLANNED OUTAGE	6/10/2016 12:12:23 PM	1,419.60	6
OH_XFMR	PLANNED OUTAGE	6/10/2016 2:20:38 PM	1,613.90	6
OH_XFMR	PLANNED OUTAGE	6/10/2016 3:26:12 PM	810.50	15
Step Restoration	PLANNED OUTAGE	6/11/2016 6:32:47 AM	3,507.10	6
Step Restoration	PLANNED OUTAGE	6/11/2016 6:32:47 AM	1,820.90	3
Step Restoration	PLANNED OUTAGE	6/11/2016 6:32:47 AM	6,015.60	8
Step Restoration	PLANNED OUTAGE	6/11/2016 6:32:47 AM	4,528.20	6
UG_XFMR	PLANNED OUTAGE	6/12/2016 9:54:30 PM	852.67	4
OH_XFMR	PLANNED OUTAGE	6/12/2016 9:54:30 PM	639.50	3
OH_XFMR	PLANNED OUTAGE	6/12/2016 9:54:30 PM	426.33	2
OH_XFMR	PLANNED OUTAGE	6/12/2016 9:54:30 PM	639.50	3
OH_XFMR	PLANNED OUTAGE	6/12/2016 9:54:30 PM	639.50	3
OH_XFMR	PLANNED OUTAGE	6/13/2016 8:56:51 AM	825.33	8
Service - Non Crew	PLANNED OUTAGE	6/13/2016 9:40:20 AM	100.17	1
OH_XFMR	PLANNED OUTAGE	6/13/2016 9:44:26 AM	862.80	3
OH_XFMR	PLANNED OUTAGE	6/13/2016 9:45:27 AM	573.37	2
OH_XFMR	PLANNED OUTAGE	6/13/2016 10:09:27 AM	416.87	2
OH_XFMR	PLANNED OUTAGE	6/13/2016 10:41:44 AM	1,587.30	11
OH_XFMR	PLANNED OUTAGE	6/13/2016 11:00:45 AM	320.80	2
OH_XFMR	PLANNED OUTAGE	6/13/2016 11:04:35 AM	61.15	1
TX Repaired (PM)	PLANNED OUTAGE	6/13/2016 11:28:12 AM	159.72	1
UG Other	PLANNED OUTAGE	6/13/2016 12:14:17 PM	260.90	1
OH Other	PLANNED OUTAGE	6/13/2016 12:52:41 PM	178.62	1
OH_XFMR	PLANNED OUTAGE	6/13/2016 1:23:21 PM	688.20	9
OH_XFMR	PLANNED OUTAGE	6/13/2016 2:25:27 PM	247.90	6
UG Other	PLANNED OUTAGE	6/13/2016 3:02:26 PM	720.85	1
OH_XFMR	PLANNED OUTAGE	6/13/2016 3:50:04 PM	209.17	5
OH_XFMR	PLANNED OUTAGE	6/13/2016 3:57:07 PM	253.92	1
UG_XFMR	PLANNED OUTAGE	6/13/2016 4:48:26 PM	10,348.33	25
Service - Non Crew	PLANNED OUTAGE	6/13/2016 8:48:28 PM	16.65	1
OH_XFMR	PLANNED OUTAGE	6/13/2016 8:56:30 PM	748.27	8
OH_XFMR	PLANNED OUTAGE	6/14/2016 7:57:17 AM	309.97	2
OH_XFMR	PLANNED OUTAGE	6/14/2016 8:23:11 AM	740.60	6
TX Repaired (PM)	PLANNED OUTAGE	6/14/2016 9:14:00 AM	1,363.87	4
OH_XFMR	PLANNED OUTAGE	6/14/2016 9:55:56 AM	2,448.53	8
OH_XFMR	PLANNED OUTAGE	6/14/2016 9:56:05 AM	2,752.35	9
OH_XFMR	PLANNED OUTAGE	6/14/2016 10:41:24 AM	2,371.65	9
OH_XFMR	PLANNED OUTAGE	6/14/2016 10:45:56 AM	382.32	1
OH_XFMR	PLANNED OUTAGE	6/14/2016 10:59:40 AM	143.17	2
OH_XFMR	PLANNED OUTAGE	6/14/2016 11:07:16 AM	2,622.43	14
OH_XFMR	PLANNED OUTAGE	6/14/2016 11:29:52 AM	346.60	12
ELBOW	PLANNED OUTAGE	6/14/2016 1:07:22 PM	430.40	4
OH_XFMR	PLANNED OUTAGE	6/14/2016 2:18:40 PM	1,533.35	13
Service - Non Crew	PLANNED OUTAGE	6/14/2016 3:31:57 PM	25.37	1
TX Repaired (PM)	PLANNED OUTAGE	6/14/2016 5:30:46 PM	102.02	1
OH_XFMR	PLANNED OUTAGE	6/14/2016 5:59:05 PM	65.25	3
ELBOW	PLANNED OUTAGE	6/14/2016 7:12:47 PM	2,659.55	3
OH_XFMR	PLANNED OUTAGE	6/15/2016 7:59:01 AM	677.40	3
OH Other	PLANNED OUTAGE	6/15/2016 8:05:16 AM	163.15	1
OH Other	PLANNED OUTAGE	6/15/2016 8:12:03 AM	337.32	1
OH_XFMR	PLANNED OUTAGE	6/15/2016 8:29:15 AM	4,817.70	9
OH_XFMR	PLANNED OUTAGE	6/15/2016 9:45:43 AM	3,046.00	12
OH_XFMR	PLANNED OUTAGE	6/15/2016 9:50:14 AM	1,106.45	3
OH_XFMR	PLANNED OUTAGE	6/15/2016 10:06:31 AM	240.97	2
OH_XFMR	PLANNED OUTAGE	6/15/2016 10:13:10 AM	460.20	6
OH_XFMR	PLANNED OUTAGE	6/15/2016 11:48:58 AM	113.33	1
OH_XFMR	PLANNED OUTAGE	6/15/2016 3:05:29 PM	720.70	6
OH_XFMR	PLANNED OUTAGE	6/16/2016 7:57:06 AM	461.10	3
OH_XFMR	PLANNED OUTAGE	6/16/2016 9:27:08 AM	3,984.57	11

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OH_XFMR	PLANNED OUTAGE	6/16/2016 9:33:11 AM	2,818.00	6
OH_XFMR	PLANNED OUTAGE	6/16/2016 11:07:37 AM	311.50	6
OH_XFMR	PLANNED OUTAGE	6/16/2016 11:48:16 AM	1,923.17	5
OH_XFMR	PLANNED OUTAGE	6/16/2016 12:05:16 PM	567.60	6
OH_XFMR	PLANNED OUTAGE	6/16/2016 12:52:19 PM	148.10	1
OH_XFMR	PLANNED OUTAGE	6/16/2016 1:52:15 PM	858.78	17
Service - Non Crew	PLANNED OUTAGE	6/16/2016 2:15:00 PM	84.55	1
Service - Non Crew	PLANNED OUTAGE	6/16/2016 2:49:26 PM	111.38	1
Circuit Out	PLANNED OUTAGE	6/16/2016 3:21:48 PM	2,627.70	461
OH_XFMR	PLANNED OUTAGE	6/16/2016 3:45:59 PM	46.00	1
OH Other	PLANNED OUTAGE	6/16/2016 8:41:08 PM	49.17	1
OH_XFMR	PLANNED OUTAGE	6/17/2016 9:02:20 AM	1,100.92	5
OH_XFMR	PLANNED OUTAGE	6/17/2016 9:46:58 AM	1,273.83	5
Service - Non Crew	PLANNED OUTAGE	6/17/2016 10:02:09 AM	1.63	1
UG_XFMR	PLANNED OUTAGE	6/17/2016 10:02:33 AM	3,187.93	4
OH_XFMR	PLANNED OUTAGE	6/17/2016 11:04:06 AM	106.75	3
OH_XFMR	PLANNED OUTAGE	6/17/2016 1:24:48 PM	1,168.95	9
OH_XFMR	PLANNED OUTAGE	6/17/2016 1:25:08 PM	2,220.00	10
OH Other	PLANNED OUTAGE	6/17/2016 1:50:37 PM	53.63	1
OH_XFMR	PLANNED OUTAGE	6/17/2016 2:05:47 PM	2,171.80	12
OH Other	PLANNED OUTAGE	6/18/2016 6:18:11 PM	221.82	1
Circuit Out	PLANNED OUTAGE	6/19/2016 1:26:29 AM	8,398.22	1,079
UG_XFMR	PLANNED OUTAGE	6/19/2016 11:53:51 AM	177.45	13
OH_XFMR	PLANNED OUTAGE	6/19/2016 5:36:34 PM	1,356.25	5
Service - Crew	PLANNED OUTAGE	6/19/2016 11:34:10 PM	153.82	1
OH_XFMR	PLANNED OUTAGE	6/20/2016 8:44:10 AM	5,909.60	16
OH_XFMR	PLANNED OUTAGE	6/20/2016 9:42:01 AM	1,146.58	5
OH_XFMR	PLANNED OUTAGE	6/20/2016 10:32:52 AM	1,507.00	6
OH_XFMR	PLANNED OUTAGE	6/20/2016 10:39:51 AM	1,615.07	8
OH_XFMR	PLANNED OUTAGE	6/20/2016 10:56:39 AM	906.47	4
OH_XFMR	PLANNED OUTAGE	6/20/2016 12:05:47 PM	1,599.00	6
OH_XFMR	PLANNED OUTAGE	6/20/2016 12:50:35 PM	864.50	7
OH_XFMR	PLANNED OUTAGE	6/20/2016 2:04:14 PM	1,260.93	8
OH_XFMR	PLANNED OUTAGE	6/20/2016 2:52:49 PM	26.12	1
OH_XFMR	PLANNED OUTAGE	6/20/2016 3:05:09 PM	21.83	2
OH_XFMR	PLANNED OUTAGE	6/20/2016 4:25:07 PM	190.15	1
OH_XFMR	PLANNED OUTAGE	6/20/2016 5:00:39 PM	2,030.17	13
OH_XFMR	PLANNED OUTAGE	6/21/2016 8:17:54 AM	2,838.90	9
OH_XFMR	PLANNED OUTAGE	6/21/2016 9:20:29 AM	2,608.67	13
OH_XFMR	PLANNED OUTAGE	6/21/2016 9:41:29 AM	156.33	2
ELBOW	PLANNED OUTAGE	6/21/2016 9:54:19 AM	638.42	5
ELBOW	PLANNED OUTAGE	6/21/2016 9:54:19 AM	383.85	3
Service - Crew	PLANNED OUTAGE	6/21/2016 9:57:51 AM	1,014.90	6
OH_XFMR	PLANNED OUTAGE	6/21/2016 10:10:27 AM	218.23	1
OH_XFMR	PLANNED OUTAGE	6/21/2016 10:22:33 AM	3,656.75	15
OH_XFMR	PLANNED OUTAGE	6/21/2016 12:21:10 PM	66.05	1
OH_XFMR	PLANNED OUTAGE	6/21/2016 12:49:53 PM	119.57	1
OH_XFMR	PLANNED OUTAGE	6/21/2016 1:03:29 PM	161.07	4
OH_XFMR	PLANNED OUTAGE	6/21/2016 2:29:49 PM	468.93	8
OH_XFMR	PLANNED OUTAGE	6/21/2016 2:36:56 PM	5,109.07	17
OH_XFMR	PLANNED OUTAGE	6/21/2016 4:35:08 PM	1,499.87	7
OH_XFMR	PLANNED OUTAGE	6/21/2016 5:04:11 PM	896.00	10
Circuit Out	PLANNED OUTAGE	6/22/2016 5:06:14 AM	5,091.20	888
OH_XFMR	PLANNED OUTAGE	6/22/2016 8:12:24 AM	1,256.67	5
OH_XFMR	PLANNED OUTAGE	6/22/2016 8:16:58 AM	592.35	1
OH_XFMR	PLANNED OUTAGE	6/22/2016 8:16:58 AM	592.35	1
OH_XFMR	PLANNED OUTAGE	6/22/2016 9:26:56 AM	235.02	1
OH_XFMR	PLANNED OUTAGE	6/22/2016 10:19:16 AM	294.07	11
OH_XFMR	PLANNED OUTAGE	6/22/2016 10:22:50 AM	192.67	8
OH_XFMR	PLANNED OUTAGE	6/22/2016 10:32:24 AM	313.55	1
OH_XFMR	PLANNED OUTAGE	6/22/2016 10:33:53 AM	28.12	1

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OH_XFMR	PLANNED OUTAGE	6/22/2016 12:02:24 PM	196.33	1
OH_XFMR	PLANNED OUTAGE	6/22/2016 12:37:49 PM	30.85	1
OH_XFMR	PLANNED OUTAGE	6/22/2016 12:51:17 PM	1,114.33	5
OH_XFMR	PLANNED OUTAGE	6/22/2016 1:01:25 PM	977.25	9
OH_XFMR	PLANNED OUTAGE	6/22/2016 1:36:33 PM	154.47	1
OH_XFMR	PLANNED OUTAGE	6/22/2016 3:14:51 PM	278.10	9
OH_XFMR	PLANNED OUTAGE	6/22/2016 4:27:46 PM	825.45	3
OH_XFMR	PLANNED OUTAGE	6/22/2016 6:08:03 PM	183.00	5
OH Other	PLANNED OUTAGE	6/22/2016 6:56:37 PM	97.92	1
OH_XFMR	PLANNED OUTAGE	6/23/2016 4:24:10 AM	7,176.67	20
OH_XFMR	PLANNED OUTAGE	6/23/2016 4:24:10 AM	3,588.33	10
OH_XFMR	PLANNED OUTAGE	6/23/2016 6:19:03 AM	121.70	1
OH_XFMR	PLANNED OUTAGE	6/23/2016 8:47:52 AM	3,649.62	17
OH_XFMR	PLANNED OUTAGE	6/23/2016 9:10:17 AM	331.25	1
OH_XFMR	PLANNED OUTAGE	6/23/2016 9:17:20 AM	6,935.40	9
Service - Non Crew	PLANNED OUTAGE	6/23/2016 11:20:14 AM	96.38	1
OH_XFMR	PLANNED OUTAGE	6/23/2016 11:33:00 AM	1,098.90	3
OH_XFMR	PLANNED OUTAGE	6/23/2016 11:49:58 AM	474.70	2
OH_XFMR	PLANNED OUTAGE	6/23/2016 12:10:09 PM	2,380.93	14
OH_XFMR	PLANNED OUTAGE	6/23/2016 12:10:38 PM	1,082.27	8
PRIMARY_FUSE	PLANNED OUTAGE	6/23/2016 12:21:59 PM	1,381.92	7
OH_XFMR	PLANNED OUTAGE	6/23/2016 3:33:09 PM	1,344.20	12
OH_XFMR	PLANNED OUTAGE	6/23/2016 4:01:13 PM	1,391.32	11
UG_XFMR	PLANNED OUTAGE	6/23/2016 5:01:31 PM	68.60	7
TX Replaced (PM)	PLANNED OUTAGE	6/23/2016 5:27:47 PM	3,801.17	10
OH_XFMR	PLANNED OUTAGE	6/24/2016 9:14:54 AM	10,010.80	24
OH_XFMR	PLANNED OUTAGE	6/24/2016 10:01:45 AM	2,847.72	11
UG_XFMR	PLANNED OUTAGE	6/24/2016 10:26:49 AM	5,093.60	12
OH_XFMR	PLANNED OUTAGE	6/24/2016 10:44:08 AM	493.42	5
OH_XFMR	PLANNED OUTAGE	6/24/2016 1:14:43 PM	421.98	7
OH_XFMR	PLANNED OUTAGE	6/24/2016 2:16:10 PM	923.90	3
OH_XFMR	PLANNED OUTAGE	6/24/2016 2:16:10 PM	923.90	3
OH_XFMR	PLANNED OUTAGE	6/24/2016 3:37:09 PM	690.60	6
OH_XFMR	PLANNED OUTAGE	6/25/2016 9:00:36 AM	601.73	2
OH_XFMR	PLANNED OUTAGE	6/25/2016 9:01:50 AM	1,775.08	7
OH_XFMR	PLANNED OUTAGE	6/27/2016 2:19:25 AM	159.72	1
OH_XFMR	PLANNED OUTAGE	6/27/2016 2:19:25 AM	798.58	5
OH_XFMR	PLANNED OUTAGE	6/27/2016 2:19:25 AM	319.43	2
OH_XFMR	PLANNED OUTAGE	6/27/2016 2:19:25 AM	958.30	6
OH_XFMR	PLANNED OUTAGE	6/27/2016 2:19:25 AM	638.87	4
OH_XFMR	PLANNED OUTAGE	6/27/2016 2:19:25 AM	798.58	5
Service - Crew	PLANNED OUTAGE	6/27/2016 8:19:50 AM	352.07	1
OH_XFMR	PLANNED OUTAGE	6/27/2016 8:30:38 AM	1,934.18	13
OH_XFMR	PLANNED OUTAGE	6/27/2016 10:09:28 AM	1,119.27	4
OH_XFMR	PLANNED OUTAGE	6/27/2016 11:42:46 AM	3,378.75	9
OH_XFMR	PLANNED OUTAGE	6/27/2016 1:00:59 PM	262.50	7
Service - Non Crew	PLANNED OUTAGE	6/27/2016 3:31:06 PM	97.85	1
OH_XFMR	PLANNED OUTAGE	6/27/2016 3:33:19 PM	706.90	6
UG_XFMR	PLANNED OUTAGE	6/27/2016 6:40:37 PM	81.40	1
UG Other	PLANNED OUTAGE	6/27/2016 8:20:46 PM	43.47	1
OH_XFMR	PLANNED OUTAGE	6/27/2016 11:34:11 PM	779.33	10
OH_XFMR	PLANNED OUTAGE	6/28/2016 9:35:15 AM	3,147.40	12
OH Other	PLANNED OUTAGE	6/28/2016 9:42:58 AM	319.60	1
OH_XFMR	PLANNED OUTAGE	6/28/2016 9:49:16 AM	1,181.95	7
OH Other	PLANNED OUTAGE	6/28/2016 9:56:41 AM	192.90	1
OH_XFMR	PLANNED OUTAGE	6/28/2016 12:07:34 PM	139.03	1
OH_XFMR	PLANNED OUTAGE	6/28/2016 12:51:21 PM	229.70	6
OH_XFMR	PLANNED OUTAGE	6/28/2016 5:02:40 PM	861.58	7
OH Other	PLANNED OUTAGE	6/29/2016 7:36:06 AM	649.90	1
OH_XFMR	PLANNED OUTAGE	6/29/2016 9:47:29 AM	2,605.90	11
OH_XFMR	PLANNED OUTAGE	6/29/2016 9:54:36 AM	3,217.80	18

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OH_XFMR	PLANNED OUTAGE	6/29/2016 10:30:47 AM	614.93	4
OH_XFMR	PLANNED OUTAGE	6/29/2016 10:30:47 AM	614.93	4
OH_XFMR	PLANNED OUTAGE	6/29/2016 10:41:56 AM	247.00	1
OH Other	PLANNED OUTAGE	6/29/2016 11:16:54 AM	89.92	1
OH_XFMR	PLANNED OUTAGE	6/29/2016 12:31:58 PM	1,277.50	15
UG Other	PLANNED OUTAGE	6/29/2016 1:30:31 PM	102.27	1
OH_XFMR	PLANNED OUTAGE	6/29/2016 2:31:04 PM	945.15	9
OH_XFMR	PLANNED OUTAGE	6/29/2016 3:28:51 PM	2,451.40	14
Service - Non Crew	PLANNED OUTAGE	6/29/2016 3:36:04 PM	22.72	1
OH_XFMR	PLANNED OUTAGE	6/29/2016 3:40:47 PM	517.23	2
OH Other	PLANNED OUTAGE	6/29/2016 5:11:03 PM	120.12	1
UG_XFMR	PLANNED OUTAGE	6/30/2016 8:55:56 AM	772.40	24
Service - Crew	PLANNED OUTAGE	6/30/2016 8:58:04 AM	202.15	1
ELBOW	PLANNED OUTAGE	6/30/2016 9:11:50 AM	2,070.93	22
OH_XFMR	PLANNED OUTAGE	6/30/2016 9:26:38 AM	780.77	2
OH_XFMR	PLANNED OUTAGE	6/30/2016 9:53:50 AM	11,226.23	17
OH_XFMR	PLANNED OUTAGE	6/30/2016 10:00:22 AM	378.53	2
OH_XFMR	PLANNED OUTAGE	6/30/2016 10:36:37 AM	1,482.65	13
OH_XFMR	PLANNED OUTAGE	6/30/2016 10:51:44 AM	729.20	3
OH_XFMR	PLANNED OUTAGE	6/30/2016 11:04:36 AM	1,106.30	6
Service - Non Crew	PLANNED OUTAGE	6/30/2016 12:08:05 PM	105.48	1
OH_XFMR	PLANNED OUTAGE	6/30/2016 12:37:07 PM	3,793.00	12
Circuit Out	PLANNED OUTAGE	6/30/2016 12:37:35 PM	1,868.25	795
OH_XFMR	PLANNED OUTAGE	6/30/2016 1:03:01 PM	441.27	4
OH_XFMR	PLANNED OUTAGE	6/30/2016 7:10:59 PM	1,182.07	14
UG_XFMR	PLANNED OUTAGE	6/30/2016 9:01:10 PM	3,202.50	30
UG_XFMR	PLANNED OUTAGE	6/30/2016 9:01:10 PM	2,348.50	22
UG_XFMR	PLANNED OUTAGE	6/30/2016 9:01:10 PM	213.50	2
UG_XFMR	PLANNED OUTAGE	6/30/2016 9:01:10 PM	1,708.00	16
UG_XFMR	PLANNED OUTAGE	6/30/2016 9:01:10 PM	2,775.50	26
UG_XFMR	PLANNED OUTAGE	6/30/2016 9:01:10 PM	2,348.50	22
UG_XFMR	PLANNED OUTAGE	6/30/2016 9:01:10 PM	2,775.50	26
Service - Non Crew	PLANNED OUTAGE	6/30/2016 10:48:47 PM	4,016.48	173
ELBOW	PLANNED OUTAGE	7/1/2016 12:24:15 AM	2,809.65	9
ELBOW	PLANNED OUTAGE	7/1/2016 12:24:15 AM	2,184.23	7
OH_XFMR	PLANNED OUTAGE	7/1/2016 8:45:51 AM	2,194.90	6
OH_XFMR	PLANNED OUTAGE	7/1/2016 6:50:51 PM	4,160.57	11
OH_XFMR	PLANNED OUTAGE	7/3/2016 5:21:53 AM	1,893.78	37
ELBOW	PLANNED OUTAGE	7/4/2016 8:49:03 PM	1,284.62	7
OH_XFMR	PLANNED OUTAGE	7/5/2016 8:01:28 AM	1,697.97	7
OH_XFMR	PLANNED OUTAGE	7/5/2016 9:29:48 AM	721.20	6
OH_XFMR	PLANNED OUTAGE	7/5/2016 9:46:13 AM	72.90	1
OH_XFMR	PLANNED OUTAGE	7/5/2016 9:54:18 AM	752.00	12
OH_XFMR	PLANNED OUTAGE	7/5/2016 9:56:30 AM	182.75	3
OH_XFMR	PLANNED OUTAGE	7/5/2016 11:18:45 AM	320.68	1
OH_XFMR	PLANNED OUTAGE	7/5/2016 12:10:01 PM	65.15	1
OH_XFMR	PLANNED OUTAGE	7/5/2016 1:03:24 PM	216.13	1
OH_XFMR	PLANNED OUTAGE	7/5/2016 1:36:30 PM	146.77	1
OH_XFMR	PLANNED OUTAGE	7/5/2016 5:03:54 PM	697.75	3
ELBOW	PLANNED OUTAGE	7/5/2016 9:11:31 PM	1,032.00	4
ELBOW	PLANNED OUTAGE	7/5/2016 9:11:31 PM	1,032.00	4
OH_XFMR	PLANNED OUTAGE	7/6/2016 8:12:33 AM	5,036.40	8
OH_XFMR	PLANNED OUTAGE	7/6/2016 9:25:34 AM	2,463.30	7
OH_XFMR	PLANNED OUTAGE	7/6/2016 9:27:28 AM	554.98	1
OH_XFMR	PLANNED OUTAGE	7/6/2016 10:38:15 AM	3,865.60	8
UG_XFMR	PLANNED OUTAGE	7/6/2016 11:23:13 AM	1,849.07	8
OH_XFMR	PLANNED OUTAGE	7/6/2016 1:16:52 PM	165.60	8
ELBOW	PLANNED OUTAGE	7/7/2016 1:23:16 AM	1,037.58	5
ELBOW	PLANNED OUTAGE	7/7/2016 1:23:16 AM	1,037.58	5
OH_XFMR	PLANNED OUTAGE	7/7/2016 8:33:34 AM	3,554.63	13
OH_XFMR	PLANNED OUTAGE	7/7/2016 9:22:57 AM	2,054.75	5

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OH_XFMR	PLANNED OUTAGE	7/7/2016 10:10:36 AM	1,980.20	6
OH_XFMR	PLANNED OUTAGE	7/7/2016 10:15:09 AM	635.47	2
OH_XFMR	PLANNED OUTAGE	7/7/2016 1:47:01 PM	517.33	10
OH_XFMR	PLANNED OUTAGE	7/7/2016 3:10:10 PM	858.10	6
Circuit Out	PLANNED OUTAGE	7/8/2016 4:52:47 AM	2,897.55	423
OH_XFMR	PLANNED OUTAGE	7/8/2016 10:26:13 AM	2,011.40	12
OH_XFMR	PLANNED OUTAGE	7/8/2016 10:31:48 AM	744.50	5
OH_XFMR	PLANNED OUTAGE	7/8/2016 3:32:58 PM	2,374.92	5
OH_XFMR	PLANNED OUTAGE	7/8/2016 3:53:29 PM	6,215.23	2
OH_XFMR	PLANNED OUTAGE	7/9/2016 10:03:12 AM	4,116.82	7
Circuit Out	PLANNED OUTAGE	7/9/2016 3:05:45 PM	269.50	231
Circuit Out	PLANNED OUTAGE	7/9/2016 4:44:06 PM	2,863.33	859
Circuit Out	PLANNED OUTAGE	7/9/2016 7:01:28 PM	1,431.67	859
Circuit Out	PLANNED OUTAGE	7/9/2016 7:01:33 PM	1,516.00	1,137
OH Other	PLANNED OUTAGE	7/11/2016 8:22:03 AM	202.47	1
OH_XFMR	PLANNED OUTAGE	7/11/2016 10:17:34 AM	2,240.80	12
OH_XFMR	PLANNED OUTAGE	7/11/2016 10:39:52 AM	9,488.27	7
OH Other	PLANNED OUTAGE	7/11/2016 11:52:00 AM	53.95	1
OH_XFMR	PLANNED OUTAGE	7/11/2016 1:11:45 PM	759.97	7
OH_XFMR	PLANNED OUTAGE	7/11/2016 2:36:47 PM	387.00	6
OH_XFMR	PLANNED OUTAGE	7/11/2016 3:00:21 PM	323.70	2
OH_XFMR	PLANNED OUTAGE	7/11/2016 4:04:18 PM	7,394.67	5
UG Other	PLANNED OUTAGE	7/12/2016 8:39:04 AM	331.93	1
OH_XFMR	PLANNED OUTAGE	7/12/2016 8:57:00 AM	5,089.52	11
OH_XFMR	PLANNED OUTAGE	7/12/2016 9:05:46 AM	1,365.30	6
OH_XFMR	PLANNED OUTAGE	7/12/2016 10:11:58 AM	592.53	8
OH_XFMR	PLANNED OUTAGE	7/12/2016 10:33:05 AM	1,825.42	13
OH_XFMR	PLANNED OUTAGE	7/12/2016 10:37:21 AM	363.30	1
OH_XFMR	PLANNED OUTAGE	7/12/2016 11:13:33 AM	2,822.33	10
OH_XFMR	PLANNED OUTAGE	7/12/2016 1:30:02 PM	972.20	12
OH_XFMR	PLANNED OUTAGE	7/12/2016 1:35:03 PM	416.77	1
OH_XFMR	PLANNED OUTAGE	7/12/2016 4:23:07 PM	995.07	4
OCR, Sec.	PLANNED OUTAGE	7/12/2016 10:03:38 PM	2,520.93	584
Circuit Out	PLANNED OUTAGE	7/13/2016 7:16:16 AM	167.42	41
OH_XFMR	PLANNED OUTAGE	7/13/2016 9:01:15 AM	1,254.20	4
ELBOW	PLANNED OUTAGE	7/13/2016 9:01:15 AM	6,271.00	20
OH_XFMR	PLANNED OUTAGE	7/13/2016 9:14:04 AM	1,379.12	7
OH_XFMR	PLANNED OUTAGE	7/13/2016 10:08:55 AM	1,067.73	4
OH_XFMR	PLANNED OUTAGE	7/13/2016 11:14:05 AM	378.27	1
OH_XFMR	PLANNED OUTAGE	7/13/2016 11:44:35 AM	544.40	8
PRIMARY_FUSE	PLANNED OUTAGE	7/13/2016 11:52:34 AM	1,034.53	8
OH_XFMR	PLANNED OUTAGE	7/13/2016 12:49:29 PM	1,459.60	6
OH_XFMR	PLANNED OUTAGE	7/13/2016 1:10:14 PM	1,933.58	5
OH_XFMR	PLANNED OUTAGE	7/13/2016 1:10:14 PM	1,160.15	3
OH_XFMR	PLANNED OUTAGE	7/13/2016 1:10:14 PM	1,160.15	3
OH_XFMR	PLANNED OUTAGE	7/13/2016 1:53:13 PM	957.67	13
OH_XFMR	PLANNED OUTAGE	7/13/2016 3:01:21 PM	93.20	6
OH_XFMR	PLANNED OUTAGE	7/14/2016 6:47:24 AM	643.75	5
OH_XFMR	PLANNED OUTAGE	7/14/2016 6:47:24 AM	772.50	6
ELBOW	PLANNED OUTAGE	7/14/2016 8:07:51 AM	2,426.23	26
ELBOW	PLANNED OUTAGE	7/14/2016 9:12:30 AM	398.88	1
OH_XFMR	PLANNED OUTAGE	7/14/2016 9:59:14 AM	337.55	3
OH_XFMR	PLANNED OUTAGE	7/14/2016 1:47:57 PM	404.17	5
OH_XFMR	PLANNED OUTAGE	7/14/2016 2:14:34 PM	240.75	1
OH_XFMR	PLANNED OUTAGE	7/14/2016 2:35:01 PM	280.20	9
OH_XFMR	PLANNED OUTAGE	7/14/2016 4:44:04 PM	691.70	6
OH_XFMR	PLANNED OUTAGE	7/15/2016 8:54:11 AM	951.80	3
OH_XFMR	PLANNED OUTAGE	7/15/2016 9:01:06 AM	1,482.43	11
OH_XFMR	PLANNED OUTAGE	7/15/2016 9:33:27 AM	1,406.42	7
OH_XFMR	PLANNED OUTAGE	7/15/2016 10:11:26 AM	172.33	4
OH_XFMR	PLANNED OUTAGE	7/15/2016 2:57:07 PM	1,866.67	8

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UG_XFMR	PLANNED OUTAGE	7/16/2016 11:03:05 AM	7,401.47	8
OH_XFMR	PLANNED OUTAGE	7/18/2016 9:53:45 AM	28.53	1
OH_XFMR	PLANNED OUTAGE	7/18/2016 10:10:35 AM	525.58	5
OH_XFMR	PLANNED OUTAGE	7/18/2016 10:30:13 AM	440.13	2
OH_XFMR	PLANNED OUTAGE	7/18/2016 10:38:06 AM	1,312.33	4
TX Repaired (OH)	PLANNED OUTAGE	7/18/2016 11:10:09 AM	330.80	1
OH_XFMR	PLANNED OUTAGE	7/18/2016 12:09:00 PM	932.70	2
OH_XFMR	PLANNED OUTAGE	7/18/2016 1:06:33 PM	47.33	1
OH_XFMR	PLANNED OUTAGE	7/18/2016 3:23:30 PM	4,486.05	9
OH_XFMR	PLANNED OUTAGE	7/19/2016 8:09:36 AM	867.80	2
OH_XFMR	PLANNED OUTAGE	7/19/2016 9:02:57 AM	672.90	2
TRANSMISSION_STRUCTURE	PLANNED OUTAGE	7/19/2016 9:54:34 AM	328.77	1
OH_XFMR	PLANNED OUTAGE	7/19/2016 9:57:57 AM	168.20	3
Service - Non Crew	PLANNED OUTAGE	7/19/2016 11:50:06 AM	49.05	1
OH_XFMR	PLANNED OUTAGE	7/19/2016 12:14:46 PM	3,788.30	2
OH_XFMR	PLANNED OUTAGE	7/19/2016 1:42:31 PM	1,267.30	23
Circuit Out	PLANNED OUTAGE	7/19/2016 3:14:20 PM	8,124.55	1,169
Circuit Out	PLANNED OUTAGE	7/19/2016 3:27:19 PM	5,381.25	1,845
ELBOW	PLANNED OUTAGE	7/20/2016 8:36:14 AM	1,128.27	4
UG_XFMR	PLANNED OUTAGE	7/20/2016 8:36:14 AM	282.07	1
Service - Non Crew	PLANNED OUTAGE	7/20/2016 9:40:19 AM	178.73	1
OH_XFMR	PLANNED OUTAGE	7/20/2016 10:31:11 AM	1,669.70	3
OH_XFMR	PLANNED OUTAGE	7/20/2016 10:47:37 AM	343.82	7
OH_XFMR	PLANNED OUTAGE	7/20/2016 11:52:47 AM	1,222.43	7
OH_XFMR	PLANNED OUTAGE	7/20/2016 12:21:17 PM	226.85	3
OH_XFMR	PLANNED OUTAGE	7/20/2016 2:24:37 PM	408.67	5
OH_XFMR	PLANNED OUTAGE	7/20/2016 2:49:25 PM	1,791.50	6
OH_XFMR	PLANNED OUTAGE	7/20/2016 4:33:05 PM	1,372.58	7
Service - Non Crew	PLANNED OUTAGE	7/20/2016 7:05:13 PM	150.75	1
Circuit Out	PLANNED OUTAGE	7/20/2016 7:40:09 PM	975.47	992
OH_XFMR	PLANNED OUTAGE	7/21/2016 8:47:22 AM	1,306.20	9
OH_XFMR	PLANNED OUTAGE	7/21/2016 10:50:52 AM	1,561.27	11
OH_XFMR	PLANNED OUTAGE	7/21/2016 1:00:47 PM	1,056.00	5
OH_XFMR	PLANNED OUTAGE	7/22/2016 7:09:45 AM	1,766.67	20
OH_XFMR	PLANNED OUTAGE	7/22/2016 8:19:15 AM	265.70	6
OH_XFMR	PLANNED OUTAGE	7/22/2016 9:34:11 AM	2,823.15	11
Circuit Out	PLANNED OUTAGE	7/22/2016 9:47:17 AM	471.25	435
OH_XFMR	PLANNED OUTAGE	7/22/2016 9:54:40 AM	1,615.53	11
OH_XFMR	PLANNED OUTAGE	7/22/2016 10:18:21 PM	2,115.80	6
Service - Non Crew	PLANNED OUTAGE	7/23/2016 9:48:46 AM	57.85	1
OH_XFMR	PLANNED OUTAGE	7/23/2016 8:04:42 PM	687.40	6
Circuit Out	PLANNED OUTAGE	7/24/2016 4:08:45 PM	25,008.75	1,755
OH_XFMR	PLANNED OUTAGE	7/25/2016 8:32:36 AM	502.20	1
OH_XFMR	PLANNED OUTAGE	7/25/2016 10:41:42 AM	318.45	9
OH_XFMR	PLANNED OUTAGE	7/25/2016 4:03:29 PM	0.90	1
OCR, Sec.	PLANNED OUTAGE	7/25/2016 4:11:28 PM	7,583.45	329
OH_XFMR	PLANNED OUTAGE	7/25/2016 8:26:16 PM	6.47	1
OH_XFMR	PLANNED OUTAGE	7/25/2016 8:26:16 PM	5.97	1
OH_XFMR	PLANNED OUTAGE	7/25/2016 8:26:16 PM	6.25	1
OH_XFMR	PLANNED OUTAGE	7/25/2016 11:36:59 PM	6.08	1
OH_XFMR	PLANNED OUTAGE	7/26/2016 2:38:22 AM	284.30	6
Service - Crew	PLANNED OUTAGE	7/26/2016 7:34:09 AM	280.98	1
OH_XFMR	PLANNED OUTAGE	7/26/2016 7:59:47 AM	497.63	1
OH_XFMR	PLANNED OUTAGE	7/26/2016 7:59:47 AM	995.27	2
OH_XFMR	PLANNED OUTAGE	7/26/2016 8:45:43 AM	627.07	8
OH_XFMR	PLANNED OUTAGE	7/26/2016 8:53:18 AM	1,891.75	3
OH_XFMR	PLANNED OUTAGE	7/26/2016 8:53:18 AM	1,261.17	2
OH_XFMR	PLANNED OUTAGE	7/26/2016 10:05:39 AM	1,693.75	3
OH_XFMR	PLANNED OUTAGE	7/26/2016 10:40:30 AM	916.73	4
OH_XFMR	PLANNED OUTAGE	7/26/2016 11:03:04 AM	123.80	3
OH_XFMR	PLANNED OUTAGE	7/26/2016 11:04:09 AM	458.15	7

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OH_XFMR	PLANNED OUTAGE	7/26/2016 11:11:50 AM	216.20	3
OH_XFMR	PLANNED OUTAGE	7/26/2016 11:22:41 AM	2,662.92	11
POLE	PLANNED OUTAGE	7/26/2016 11:23:18 AM	1,932.40	8
OH_XFMR	PLANNED OUTAGE	7/26/2016 11:28:45 AM	5,972.70	18
OH_XFMR	PLANNED OUTAGE	7/26/2016 11:34:27 AM	4,087.42	7
OH_XFMR	PLANNED OUTAGE	7/26/2016 1:54:43 PM	420.98	13
OH_XFMR	PLANNED OUTAGE	7/26/2016 2:32:25 PM	553.13	4
OH_XFMR	PLANNED OUTAGE	7/26/2016 2:34:46 PM	351.98	7
OH_XFMR	PLANNED OUTAGE	7/26/2016 4:05:58 PM	477.00	12
UG_XFMR	PLANNED OUTAGE	7/27/2016 7:35:10 AM	3,009.00	15
OH Other	PLANNED OUTAGE	7/27/2016 7:40:28 AM	59.40	1
OH Other	PLANNED OUTAGE	7/27/2016 8:34:34 AM	55.83	1
ELBOW	PLANNED OUTAGE	7/27/2016 9:23:07 AM	1,480.27	16
ELBOW	PLANNED OUTAGE	7/27/2016 9:23:07 AM	756.00	16
OH_XFMR	PLANNED OUTAGE	7/27/2016 9:42:25 AM	135.20	1
OH_XFMR	PLANNED OUTAGE	7/27/2016 9:45:13 AM	931.12	7
OH_XFMR	PLANNED OUTAGE	7/27/2016 9:56:59 AM	654.65	1
OH_XFMR	PLANNED OUTAGE	7/27/2016 10:12:35 AM	1,440.13	8
OH_XFMR	PLANNED OUTAGE	7/27/2016 10:41:47 AM	863.45	7
OH_XFMR	PLANNED OUTAGE	7/27/2016 10:41:48 AM	1,046.53	8
ELBOW	PLANNED OUTAGE	7/27/2016 10:59:09 AM	46.43	7
OH_XFMR	PLANNED OUTAGE	7/27/2016 11:01:17 AM	932.67	4
OH_XFMR	PLANNED OUTAGE	7/27/2016 11:37:00 AM	1,615.80	12
Service - Non Crew	PLANNED OUTAGE	7/27/2016 1:31:50 PM	95.45	1
OH_XFMR	PLANNED OUTAGE	7/27/2016 3:47:23 PM	394.50	10
OH_XFMR	PLANNED OUTAGE	7/27/2016 6:14:53 PM	188.85	9
OH_XFMR	PLANNED OUTAGE	7/27/2016 6:14:53 PM	209.83	10
Service - Crew	PLANNED OUTAGE	7/28/2016 8:08:18 AM	189.57	1
OH_XFMR	PLANNED OUTAGE	7/28/2016 8:39:45 AM	752.40	9
OH_XFMR	PLANNED OUTAGE	7/28/2016 8:49:38 AM	689.08	5
OH_XFMR	PLANNED OUTAGE	7/28/2016 9:18:48 AM	3,733.80	9
ELBOW	PLANNED OUTAGE	7/28/2016 9:31:05 AM	264.60	7
OH_XFMR	PLANNED OUTAGE	7/28/2016 10:14:06 AM	666.75	7
OH_XFMR	PLANNED OUTAGE	7/28/2016 10:41:03 AM	2,123.50	10
OH_XFMR	PLANNED OUTAGE	7/28/2016 10:49:30 AM	1,643.87	8
OH_XFMR	PLANNED OUTAGE	7/28/2016 10:49:30 AM	1,849.35	9
OH_XFMR	PLANNED OUTAGE	7/28/2016 12:10:33 PM	4,560.97	22
OH_XFMR	PLANNED OUTAGE	7/28/2016 1:30:28 PM	374.50	1
OH_XFMR	PLANNED OUTAGE	7/28/2016 2:14:01 PM	2,337.20	12
OH_XFMR	PLANNED OUTAGE	7/28/2016 3:47:04 PM	1,868.07	7
Circuit Out	PLANNED OUTAGE	7/28/2016 4:26:17 PM	20,702.93	832
UG_XFMR	PLANNED OUTAGE	7/29/2016 8:22:35 AM	1,132.60	7
OH_XFMR	PLANNED OUTAGE	7/29/2016 9:42:30 AM	771.52	7
ELBOW	PLANNED OUTAGE	7/29/2016 10:01:33 AM	439.83	7
OH_XFMR	PLANNED OUTAGE	7/29/2016 10:59:09 AM	4,053.93	7
OH_XFMR	PLANNED OUTAGE	7/29/2016 11:11:24 AM	2,000.75	15
OH_XFMR	PLANNED OUTAGE	7/29/2016 11:54:12 AM	177.03	1
OH_XFMR	PLANNED OUTAGE	7/29/2016 1:45:34 PM	189.80	3
Service - Non Crew	PLANNED OUTAGE	7/30/2016 8:12:50 AM	76.27	1
OH Other	PLANNED OUTAGE	7/30/2016 10:53:32 AM	122.20	1
ELBOW	PLANNED OUTAGE	7/30/2016 2:18:13 PM	525.00	63
OH_XFMR	PLANNED OUTAGE	7/30/2016 2:41:17 PM	502.25	5
OH_XFMR	PLANNED OUTAGE	7/30/2016 10:14:46 PM	3,093.45	9
Circuit Out	PLANNED OUTAGE	7/31/2016 10:54:33 PM	2,279.92	1,255
OH_XFMR	PLANNED OUTAGE	8/1/2016 8:04:57 AM	666.17	7
OH_XFMR	PLANNED OUTAGE	8/1/2016 10:14:43 AM	5,008.47	13
OH_XFMR	PLANNED OUTAGE	8/1/2016 10:27:11 AM	1,248.33	5
OH_XFMR	PLANNED OUTAGE	8/1/2016 11:24:28 AM	2,290.75	15
OH_XFMR	PLANNED OUTAGE	8/1/2016 12:57:51 PM	4,560.80	8
OH_XFMR	PLANNED OUTAGE	8/1/2016 1:32:10 PM	949.12	11
OH_XFMR	PLANNED OUTAGE	8/1/2016 1:43:24 PM	3,749.33	8

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OH_XFMR	PLANNED OUTAGE	8/1/2016 1:47:09 PM	278.00	6
POLE	PLANNED OUTAGE	8/1/2016 3:07:59 PM	3,081.28	7
OH_XFMR	PLANNED OUTAGE	8/1/2016 5:09:58 PM	673.17	2
OH_XFMR	PLANNED OUTAGE	8/2/2016 8:22:52 AM	709.07	4
UG Other	PLANNED OUTAGE	8/2/2016 9:41:10 AM	65.87	1
OH_XFMR	PLANNED OUTAGE	8/2/2016 10:54:56 AM	1,188.20	6
OH_XFMR	PLANNED OUTAGE	8/2/2016 1:27:49 PM	1,846.48	7
PRIMARY_FUSE	PLANNED OUTAGE	8/2/2016 5:04:46 PM	16.35	1
OH_XFMR	PLANNED OUTAGE	8/3/2016 9:25:31 AM	1,271.50	5
OH_XFMR	PLANNED OUTAGE	8/3/2016 10:57:31 AM	383.83	7
OH_XFMR	PLANNED OUTAGE	8/3/2016 1:12:08 PM	1,288.00	6
OH_XFMR	PLANNED OUTAGE	8/3/2016 1:53:41 PM	194.77	2
ELBOW	PLANNED OUTAGE	8/3/2016 2:58:36 PM	212.25	5
ELBOW	PLANNED OUTAGE	8/3/2016 2:58:36 PM	212.25	5
OH_XFMR	PLANNED OUTAGE	8/3/2016 3:32:45 PM	219.60	3
OH_XFMR	PLANNED OUTAGE	8/4/2016 8:30:32 AM	4,808.65	11
OH_XFMR	PLANNED OUTAGE	8/4/2016 9:54:49 AM	121.20	4
ELBOW	PLANNED OUTAGE	8/4/2016 10:46:42 AM	281.67	4
OH_XFMR	PLANNED OUTAGE	8/4/2016 11:26:04 AM	398.17	5
OH_XFMR	PLANNED OUTAGE	8/4/2016 11:39:22 AM	470.20	12
OH_XFMR	PLANNED OUTAGE	8/4/2016 1:35:08 PM	1,807.80	12
OH_XFMR	PLANNED OUTAGE	8/4/2016 8:28:57 PM	3,330.13	16
OH_XFMR	PLANNED OUTAGE	8/5/2016 8:14:09 AM	317.73	4
OH_XFMR	PLANNED OUTAGE	8/5/2016 11:15:34 AM	3,400.50	6
Service - Non Crew	PLANNED OUTAGE	8/6/2016 8:25:07 AM	188.22	1
ELBOW	PLANNED OUTAGE	8/6/2016 9:11:29 AM	727.65	7
ELBOW	PLANNED OUTAGE	8/6/2016 10:55:26 AM	571.08	7
ELBOW	PLANNED OUTAGE	8/6/2016 10:55:26 AM	571.08	7
ELBOW	PLANNED OUTAGE	8/6/2016 11:43:23 AM	715.87	14
ELBOW	PLANNED OUTAGE	8/6/2016 12:17:01 PM	327.53	4
ELBOW	PLANNED OUTAGE	8/6/2016 12:17:01 PM	323.67	4
Circuit Out	PLANNED OUTAGE	8/7/2016 12:49:25 PM	761.63	313
OH_XFMR	PLANNED OUTAGE	8/9/2016 8:47:33 AM	846.27	4
TX Repaired (PM)	PLANNED OUTAGE	8/9/2016 10:20:32 AM	2,327.33	5
OH_XFMR	PLANNED OUTAGE	8/9/2016 11:11:38 AM	50.35	3
OH_XFMR	PLANNED OUTAGE	8/9/2016 11:27:41 AM	904.02	11
OH_XFMR	PLANNED OUTAGE	8/9/2016 12:54:03 PM	290.00	8
Service - Crew	PLANNED OUTAGE	8/9/2016 1:05:04 PM	473.42	1
ELBOW	PLANNED OUTAGE	8/9/2016 8:18:59 PM	458.80	3
TRANSMISSION_STRUCTURE	PLANNED OUTAGE	8/10/2016 9:23:11 AM	241.13	1
OH_XFMR	PLANNED OUTAGE	8/10/2016 10:03:35 AM	3,170.77	14
OH_XFMR	PLANNED OUTAGE	8/10/2016 10:05:19 AM	1,197.20	12
OH_XFMR	PLANNED OUTAGE	8/10/2016 2:20:20 PM	500.50	5
OH_XFMR	PLANNED OUTAGE	8/10/2016 3:41:47 PM	578.10	9
OH_XFMR	PLANNED OUTAGE	8/10/2016 4:33:13 PM	268.20	3
OCR, Sec.	PLANNED OUTAGE	8/10/2016 10:40:38 PM	949.17	134
Service - Non Crew	PLANNED OUTAGE	8/11/2016 8:14:57 AM	325.53	1
OH_XFMR	PLANNED OUTAGE	8/11/2016 8:31:53 AM	5,782.93	7
OH_XFMR	PLANNED OUTAGE	8/11/2016 8:31:53 AM	14,044.27	17
OH_XFMR	PLANNED OUTAGE	8/11/2016 8:56:50 AM	12,248.75	15
Service - Non Crew	PLANNED OUTAGE	8/11/2016 9:22:59 AM	163.70	1
OH_XFMR	PLANNED OUTAGE	8/11/2016 9:51:00 AM	415.27	2
OH_XFMR	PLANNED OUTAGE	8/11/2016 9:52:01 AM	206.98	1
OH_XFMR	PLANNED OUTAGE	8/11/2016 9:53:44 AM	205.12	1
OH_XFMR	PLANNED OUTAGE	8/11/2016 10:05:24 AM	221.03	1
OH_XFMR	PLANNED OUTAGE	8/11/2016 10:22:08 AM	1,073.00	12
OH_XFMR	PLANNED OUTAGE	8/11/2016 2:00:55 PM	546.50	6
OH_XFMR	PLANNED OUTAGE	8/11/2016 2:20:57 PM	210.35	7
OH Other	PLANNED OUTAGE	8/11/2016 2:47:27 PM	122.82	1
Circuit Out	PLANNED OUTAGE	8/11/2016 8:22:34 PM	4,855.20	2,312
PRIMARY_FUSE	PLANNED OUTAGE	8/11/2016 9:33:00 PM	73,563.58	115

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UG_XFMR	PLANNED OUTAGE	8/12/2016 8:12:17 AM	3,301.33	8
OH_XFMR	PLANNED OUTAGE	8/12/2016 8:24:52 AM	4,416.07	7
OH_XFMR	PLANNED OUTAGE	8/12/2016 9:06:36 AM	237.45	9
OH_XFMR	PLANNED OUTAGE	8/12/2016 9:51:50 AM	618.37	13
OH_XFMR	PLANNED OUTAGE	8/12/2016 10:36:51 AM	82.15	3
OH_XFMR	PLANNED OUTAGE	8/12/2016 11:17:55 AM	3,146.20	12
OH_XFMR	PLANNED OUTAGE	8/12/2016 2:17:05 PM	655.50	19
OH_XFMR	PLANNED OUTAGE	8/13/2016 8:00:51 AM	963.58	5
OH_XFMR	PLANNED OUTAGE	8/13/2016 11:13:40 AM	520.12	11
UG_XFMR	PLANNED OUTAGE	8/14/2016 6:47:54 AM	82.67	1
OH Other	PLANNED OUTAGE	8/14/2016 9:59:42 PM	51.32	1
PRIMARY_FUSE	PLANNED OUTAGE	8/15/2016 9:00:33 AM	1,905.90	9
OH_XFMR	PLANNED OUTAGE	8/15/2016 9:17:18 AM	380.22	1
OH_XFMR	PLANNED OUTAGE	8/15/2016 9:29:59 AM	3,057.08	11
PRIMARY_FUSE	PLANNED OUTAGE	8/15/2016 10:03:24 AM	3,551.28	41
PRIMARY_FUSE	PLANNED OUTAGE	8/15/2016 10:03:24 AM	6,842.72	79
ELBOW	PLANNED OUTAGE	8/15/2016 10:06:11 AM	911.40	12
OH_XFMR	PLANNED OUTAGE	8/15/2016 10:10:09 AM	1,831.42	5
OH_XFMR	PLANNED OUTAGE	8/15/2016 11:11:31 AM	186.77	2
OH_XFMR	PLANNED OUTAGE	8/15/2016 11:14:26 AM	991.67	7
OH_XFMR	PLANNED OUTAGE	8/15/2016 12:14:18 PM	1,182.27	8
OH_XFMR	PLANNED OUTAGE	8/15/2016 12:34:14 PM	4.03	2
OH_XFMR	PLANNED OUTAGE	8/15/2016 2:49:17 PM	1,710.30	6
OH_XFMR	PLANNED OUTAGE	8/16/2016 8:15:05 AM	7,189.35	9
UG_XFMR	PLANNED OUTAGE	8/16/2016 9:40:44 AM	109.00	2
OH_XFMR	PLANNED OUTAGE	8/16/2016 10:08:49 AM	1,100.85	9
ELBOW	PLANNED OUTAGE	8/16/2016 10:37:17 AM	592.20	9
OH_XFMR	PLANNED OUTAGE	8/16/2016 10:58:30 AM	3,122.58	7
OH_XFMR	PLANNED OUTAGE	8/16/2016 1:07:44 PM	167.82	1
TRANSMISSION_STRUCTURE	PLANNED OUTAGE	8/16/2016 2:12:22 PM	3,093.88	7
OH_XFMR	PLANNED OUTAGE	8/16/2016 11:32:56 PM	397.13	14
OH_XFMR	PLANNED OUTAGE	8/17/2016 8:37:52 AM	2,629.32	7
OH_XFMR	PLANNED OUTAGE	8/17/2016 8:38:52 AM	2,997.87	8
OH_XFMR	PLANNED OUTAGE	8/17/2016 9:34:19 AM	460.07	4
OH_XFMR	PLANNED OUTAGE	8/17/2016 9:42:03 AM	2,544.80	6
ELBOW	PLANNED OUTAGE	8/17/2016 9:52:00 AM	644.50	10
OH_XFMR	PLANNED OUTAGE	8/17/2016 10:06:52 AM	267.50	6
OH_XFMR	PLANNED OUTAGE	8/17/2016 10:57:22 AM	1,903.73	11
OH_XFMR	PLANNED OUTAGE	8/17/2016 11:16:06 AM	3,305.50	10
ELBOW	PLANNED OUTAGE	8/17/2016 11:19:03 AM	366.30	9
ELBOW	PLANNED OUTAGE	8/17/2016 11:19:03 AM	366.30	9
OH_XFMR	PLANNED OUTAGE	8/17/2016 11:29:53 AM	445.58	5
OH_XFMR	PLANNED OUTAGE	8/17/2016 11:30:34 AM	1,491.67	10
OH_XFMR	PLANNED OUTAGE	8/17/2016 11:30:51 AM	1,789.60	12
OH_XFMR	PLANNED OUTAGE	8/17/2016 12:14:23 PM	417.00	15
OH_XFMR	PLANNED OUTAGE	8/17/2016 12:39:18 PM	286.92	1
OH_XFMR	PLANNED OUTAGE	8/17/2016 2:54:20 PM	1,411.50	10
ELBOW	PLANNED OUTAGE	8/17/2016 2:59:25 PM	2.05	3
UG_XFMR	PLANNED OUTAGE	8/17/2016 2:59:25 PM	0.68	1
OH_XFMR	PLANNED OUTAGE	8/18/2016 9:24:27 AM	1,954.27	8
OH_XFMR	PLANNED OUTAGE	8/18/2016 9:26:24 AM	3,753.33	10
ELBOW	PLANNED OUTAGE	8/18/2016 9:31:47 AM	2,075.00	15
OH_XFMR	PLANNED OUTAGE	8/18/2016 9:36:59 AM	9,175.60	56
OH_XFMR	PLANNED OUTAGE	8/18/2016 9:45:31 AM	2,275.67	5
TRANSMISSION_STRUCTURE	PLANNED OUTAGE	8/18/2016 9:45:31 AM	2,275.67	5
OH_XFMR	PLANNED OUTAGE	8/18/2016 10:01:16 AM	2,530.00	12
OH_XFMR	PLANNED OUTAGE	8/18/2016 10:29:39 AM	1,985.43	14
OH_XFMR	PLANNED OUTAGE	8/18/2016 11:47:08 AM	780.27	7
OH_XFMR	PLANNED OUTAGE	8/18/2016 1:09:31 PM	128.90	6
OH_XFMR	PLANNED OUTAGE	8/19/2016 8:54:55 AM	768.50	2
OH_XFMR	PLANNED OUTAGE	8/19/2016 9:31:00 AM	2,177.50	13

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OH_XFMR	PLANNED OUTAGE	8/19/2016 9:35:42 AM	154.30	1
OH_XFMR	PLANNED OUTAGE	8/19/2016 9:54:03 AM	499.22	11
ELBOW	PLANNED OUTAGE	8/19/2016 9:58:21 AM	7,860.42	49
OH_XFMR	PLANNED OUTAGE	8/19/2016 10:50:22 AM	109.00	4
OH_XFMR	PLANNED OUTAGE	8/21/2016 8:45:25 AM	1,400.73	4
OH_XFMR	PLANNED OUTAGE	8/21/2016 5:31:23 PM	7.87	4
ELBOW	PLANNED OUTAGE	8/22/2016 9:29:28 AM	2,161.30	3
OH_XFMR	PLANNED OUTAGE	8/22/2016 9:47:50 AM	2,777.07	8
OH_XFMR	PLANNED OUTAGE	8/22/2016 9:59:34 AM	330.08	1
OH_XFMR	PLANNED OUTAGE	8/22/2016 11:32:37 AM	1,387.67	10
ELBOW	PLANNED OUTAGE	8/22/2016 11:49:49 AM	588.20	12
ELBOW	PLANNED OUTAGE	8/22/2016 11:49:49 AM	588.20	12
OH_XFMR	PLANNED OUTAGE	8/22/2016 12:15:22 PM	420.80	4
OH_XFMR	PLANNED OUTAGE	8/22/2016 1:56:04 PM	2,045.87	8
OH_XFMR	PLANNED OUTAGE	8/22/2016 2:31:43 PM	671.40	4
PRIMARY_FUSE	PLANNED OUTAGE	8/22/2016 8:56:42 PM	2,373.52	53
UG_XFMR	PLANNED OUTAGE	8/23/2016 8:57:51 AM	178.00	5
ELBOW	PLANNED OUTAGE	8/23/2016 9:00:39 AM	391.07	7
OH_XFMR	PLANNED OUTAGE	8/23/2016 9:09:25 AM	954.20	6
OH_XFMR	PLANNED OUTAGE	8/23/2016 9:32:33 AM	932.53	2
OH_XFMR	PLANNED OUTAGE	8/23/2016 9:34:22 AM	4,181.10	9
OH_XFMR	PLANNED OUTAGE	8/23/2016 9:35:31 AM	2,793.40	6
ELBOW	PLANNED OUTAGE	8/23/2016 9:46:11 AM	304.50	3
ELBOW	PLANNED OUTAGE	8/23/2016 10:47:19 AM	1,586.90	3
UG_XFMR	PLANNED OUTAGE	8/23/2016 11:13:49 AM	1,191.00	10
UG_XFMR	PLANNED OUTAGE	8/23/2016 11:14:00 AM	833.82	7
ELBOW	PLANNED OUTAGE	8/23/2016 12:07:16 PM	577.27	4
OH_XFMR	PLANNED OUTAGE	8/23/2016 12:34:44 PM	225.95	1
OH_XFMR	PLANNED OUTAGE	8/23/2016 1:55:36 PM	197.07	4
OH_XFMR	PLANNED OUTAGE	8/23/2016 3:19:25 PM	505.35	9
OH_XFMR	PLANNED OUTAGE	8/23/2016 3:39:31 PM	613.80	6
UG_XFMR	PLANNED OUTAGE	8/23/2016 3:39:49 PM	5.73	4
OH_XFMR	PLANNED OUTAGE	8/23/2016 5:10:39 PM	1,590.78	11
Circuit Out	PLANNED OUTAGE	8/23/2016 9:13:21 PM	4,136.40	383
OH_XFMR	PLANNED OUTAGE	8/24/2016 8:49:53 AM	694.53	8
OH_XFMR	PLANNED OUTAGE	8/24/2016 9:18:53 AM	871.03	7
OH_XFMR	PLANNED OUTAGE	8/24/2016 10:09:02 AM	1,617.00	5
OH_XFMR	PLANNED OUTAGE	8/24/2016 10:38:01 AM	2,359.33	4
OH_XFMR	PLANNED OUTAGE	8/24/2016 12:27:49 PM	442.67	8
ELBOW	PLANNED OUTAGE	8/24/2016 2:21:22 PM	137.40	4
ELBOW	PLANNED OUTAGE	8/24/2016 2:21:22 PM	137.40	4
OH_XFMR	PLANNED OUTAGE	8/24/2016 5:03:00 PM	657.87	4
Step Restoration	PLANNED OUTAGE	8/24/2016 5:47:25 PM	4,723.77	13
OH_XFMR	PLANNED OUTAGE	8/24/2016 7:05:35 PM	4,983.33	10
OH_XFMR	PLANNED OUTAGE	8/25/2016 4:58:59 AM	518.27	8
OH_XFMR	PLANNED OUTAGE	8/25/2016 9:13:53 AM	1,019.30	6
OH_XFMR	PLANNED OUTAGE	8/25/2016 9:58:38 AM	2,054.58	5
OH_XFMR	PLANNED OUTAGE	8/25/2016 10:31:11 AM	418.13	8
OH_XFMR	PLANNED OUTAGE	8/25/2016 12:37:02 PM	1,811.33	13
OH_XFMR	PLANNED OUTAGE	8/25/2016 12:43:47 PM	2,785.95	9
OH_XFMR	PLANNED OUTAGE	8/25/2016 1:00:59 PM	1,462.33	5
OH_XFMR	PLANNED OUTAGE	8/25/2016 3:06:33 PM	185.35	11
ELBOW	PLANNED OUTAGE	8/26/2016 8:44:48 AM	422.00	6
OH_XFMR	PLANNED OUTAGE	8/26/2016 10:19:35 AM	213.33	1
OH_XFMR	PLANNED OUTAGE	8/26/2016 10:20:23 AM	212.65	1
OH_XFMR	PLANNED OUTAGE	8/26/2016 11:12:12 AM	320.43	2
OH_XFMR	PLANNED OUTAGE	8/26/2016 3:02:15 PM	1,183.33	8
OH_XFMR	PLANNED OUTAGE	8/26/2016 9:25:32 PM	4,184.60	12
OH_XFMR	PLANNED OUTAGE	8/26/2016 11:52:40 PM	875.17	5
ELBOW	PLANNED OUTAGE	8/27/2016 9:38:31 PM	992.02	11
ELBOW	PLANNED OUTAGE	8/27/2016 9:38:31 PM	811.65	9

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UG_XFMR	PLANNED OUTAGE	8/27/2016 9:38:31 PM	1,211.07	2
TX Repaired (PM)	PLANNED OUTAGE	8/28/2016 7:24:52 PM	1,687.27	4
TX Repaired (PM)	PLANNED OUTAGE	8/28/2016 7:24:52 PM	1,685.47	4
TX Repaired (PM)	PLANNED OUTAGE	8/28/2016 7:24:52 PM	1,685.47	4
OH_XFMR	PLANNED OUTAGE	8/29/2016 8:32:08 AM	4,136.25	9
ELBOW	PLANNED OUTAGE	8/29/2016 8:43:48 AM	368.58	1
OH_XFMR	PLANNED OUTAGE	8/29/2016 9:15:09 AM	130.35	1
OH_XFMR	PLANNED OUTAGE	8/29/2016 9:46:22 AM	1,659.50	6
OH_XFMR	PLANNED OUTAGE	8/29/2016 10:03:49 AM	1,878.80	7
OH_XFMR	PLANNED OUTAGE	8/29/2016 10:04:42 AM	166.62	1
OH_XFMR	PLANNED OUTAGE	8/29/2016 10:13:04 AM	1,321.60	7
OH_XFMR	PLANNED OUTAGE	8/29/2016 11:01:48 AM	340.40	2
OH_XFMR	PLANNED OUTAGE	8/29/2016 12:10:29 PM	788.25	9
OH_XFMR	PLANNED OUTAGE	8/29/2016 12:23:17 PM	1,319.67	4
OH_XFMR	PLANNED OUTAGE	8/29/2016 1:08:16 PM	1,752.30	11
OH_XFMR	PLANNED OUTAGE	8/29/2016 1:38:11 PM	1,097.40	9
OH_XFMR	PLANNED OUTAGE	8/29/2016 1:53:01 PM	354.43	14
OH_XFMR	PLANNED OUTAGE	8/29/2016 2:52:58 PM	519.75	11
OH_XFMR	PLANNED OUTAGE	8/30/2016 8:49:14 AM	1,291.00	4
OH_XFMR	PLANNED OUTAGE	8/30/2016 8:49:14 AM	2,258.08	7
OH_XFMR	PLANNED OUTAGE	8/30/2016 8:49:14 AM	2,581.07	8
OH_XFMR	PLANNED OUTAGE	8/30/2016 8:49:14 AM	968.10	3
OH_XFMR	PLANNED OUTAGE	8/30/2016 9:32:58 AM	768.60	7
OH_XFMR	PLANNED OUTAGE	8/30/2016 9:39:19 AM	1,245.42	7
OH_XFMR	PLANNED OUTAGE	8/30/2016 9:56:57 AM	1,190.20	3
OH_XFMR	PLANNED OUTAGE	8/30/2016 10:03:34 AM	1,085.85	9
OH_XFMR	PLANNED OUTAGE	8/30/2016 10:25:05 AM	1,298.62	7
OH_XFMR	PLANNED OUTAGE	8/30/2016 10:31:38 AM	1,526.00	7
OH_XFMR	PLANNED OUTAGE	8/30/2016 11:08:19 AM	221.33	5
OH_XFMR	PLANNED OUTAGE	8/30/2016 11:20:12 AM	332.50	6
OH_XFMR	PLANNED OUTAGE	8/30/2016 11:59:15 AM	159.52	1
OH_XFMR	PLANNED OUTAGE	8/30/2016 12:35:54 PM	1,424.80	6
Circuit Out	PLANNED OUTAGE	8/30/2016 7:27:11 PM	829.60	366
OH_XFMR	PLANNED OUTAGE	8/31/2016 9:06:40 AM	850.60	6
Service - Non Crew	PLANNED OUTAGE	8/31/2016 11:28:49 AM	68.03	1
Service - Non Crew	PLANNED OUTAGE	8/31/2016 1:16:13 PM	25.68	1
OH Other	PLANNED OUTAGE	8/31/2016 1:37:46 PM	72.83	1
Service - Non Crew	PLANNED OUTAGE	8/31/2016 2:46:11 PM	52.68	1
OH_XFMR	PLANNED OUTAGE	8/31/2016 7:09:08 PM	2,129.87	8
Circuit Out	PLANNED OUTAGE	8/31/2016 9:17:47 PM	12,778.63	1,046
UG_XFMR	PLANNED OUTAGE	9/1/2016 6:52:53 AM	1,266.42	7
ELBOW	PLANNED OUTAGE	9/1/2016 8:26:05 AM	260.70	3
OH_XFMR	PLANNED OUTAGE	9/1/2016 8:50:10 AM	390.93	8
None	PLANNED OUTAGE	9/1/2016 10:57:00 AM	318.90	3
None	PLANNED OUTAGE	9/1/2016 11:02:51 AM	202.50	2
OH Other	PLANNED OUTAGE	9/1/2016 11:28:33 AM	72.23	1
OH_XFMR	PLANNED OUTAGE	9/1/2016 2:26:57 PM	564.45	9
OH Other	PLANNED OUTAGE	9/1/2016 2:52:37 PM	20.82	1
OH_XFMR	PLANNED OUTAGE	9/1/2016 4:43:59 PM	458.67	4
OH_XFMR	PLANNED OUTAGE	9/1/2016 4:43:59 PM	688.00	6
Step Restoration	PLANNED OUTAGE	9/1/2016 8:04:19 PM	142,066.17	493
Circuit Out	PLANNED OUTAGE	9/1/2016 10:03:12 PM	79,381.68	1,753
OCR, Sec.	PLANNED OUTAGE	9/1/2016 11:14:24 PM	21,386.87	196
OH_XFMR	PLANNED OUTAGE	9/2/2016 4:42:04 AM	747.00	9
Circuit Out	PLANNED OUTAGE	9/2/2016 7:23:21 AM	14,778.40	1,911
Circuit Out	PLANNED OUTAGE	9/2/2016 8:47:08 AM	10,562.93	1,108
Circuit Out	PLANNED OUTAGE	9/2/2016 10:00:00 AM	51,918.00	1,018
None	PLANNED OUTAGE	9/2/2016 10:00:00 AM	199.93	2
OH_XFMR	PLANNED OUTAGE	9/2/2016 12:43:27 PM	343.87	8
PRIMARY_FUSE	PLANNED OUTAGE	9/2/2016 9:56:05 PM	196.67	5
PRIMARY_FUSE	PLANNED OUTAGE	9/2/2016 9:56:05 PM	236.00	6

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PRIMARY_FUSE	PLANNED OUTAGE	9/2/2016 9:56:05 PM	668.67	17
OH_XFMR	PLANNED OUTAGE	9/2/2016 11:09:56 PM	87.87	8
Circuit Out	PLANNED OUTAGE	9/2/2016 11:54:37 PM	6,585.80	1,326
OH_XFMR	PLANNED OUTAGE	9/3/2016 8:37:11 AM	228.62	11
OH_XFMR	PLANNED OUTAGE	9/3/2016 8:53:53 AM	252.20	3
OH_XFMR	PLANNED OUTAGE	9/3/2016 8:57:40 AM	940.92	5
OH_XFMR	PLANNED OUTAGE	9/3/2016 11:06:51 AM	976.50	9
UG_XFMR	PLANNED OUTAGE	9/3/2016 12:13:11 PM	265.18	7
PRIMARY_FUSE	PLANNED OUTAGE	9/3/2016 12:57:03 PM	335.32	11
Circuit Out	PLANNED OUTAGE	9/3/2016 2:19:49 PM	3,438.00	1,719
OH_XFMR	PLANNED OUTAGE	9/3/2016 3:53:24 PM	172.07	4
OH_XFMR	PLANNED OUTAGE	9/4/2016 11:32:29 AM	72.20	12
OH Other	PLANNED OUTAGE	9/6/2016 8:11:59 AM	30.18	1
OH_XFMR	PLANNED OUTAGE	9/6/2016 9:18:56 AM	1,145.78	7
OH_XFMR	PLANNED OUTAGE	9/6/2016 9:25:55 AM	2,560.37	7
OH_XFMR	PLANNED OUTAGE	9/6/2016 10:20:46 AM	2,491.73	8
OH_XFMR	PLANNED OUTAGE	9/6/2016 10:24:30 AM	1,004.90	3
UG_XFMR	PLANNED OUTAGE	9/6/2016 10:29:45 AM	313.47	1
OH_XFMR	PLANNED OUTAGE	9/6/2016 10:39:47 AM	233.67	5
OH_XFMR	PLANNED OUTAGE	9/6/2016 10:45:13 AM	4,064.10	9
OH_XFMR	PLANNED OUTAGE	9/6/2016 11:51:02 AM	1,522.53	8
OH_XFMR	PLANNED OUTAGE	9/6/2016 12:04:04 PM	92.75	1
OH_XFMR	PLANNED OUTAGE	9/6/2016 1:26:39 PM	556.08	5
OH_XFMR	PLANNED OUTAGE	9/6/2016 1:57:49 PM	875.40	9
OH_XFMR	PLANNED OUTAGE	9/6/2016 2:57:10 PM	4,735.83	10
OH_XFMR	PLANNED OUTAGE	9/6/2016 3:41:16 PM	149.62	1
UG_XFMR	PLANNED OUTAGE	9/6/2016 6:10:54 PM	23.67	1
OH_XFMR	PLANNED OUTAGE	9/7/2016 2:03:05 AM	1,111.60	7
Circuit Out	PLANNED OUTAGE	9/7/2016 5:08:28 AM	12,391.40	636
OH_XFMR	PLANNED OUTAGE	9/7/2016 8:24:59 AM	2,899.75	7
OH_XFMR	PLANNED OUTAGE	9/7/2016 8:42:58 AM	1,628.40	6
OH_XFMR	PLANNED OUTAGE	9/7/2016 9:00:43 AM	949.33	4
OH_XFMR	PLANNED OUTAGE	9/7/2016 9:35:46 AM	4,017.25	15
OH_XFMR	PLANNED OUTAGE	9/7/2016 10:21:34 AM	1,383.67	4
OH_XFMR	PLANNED OUTAGE	9/7/2016 10:56:48 AM	1,931.25	9
Service - Non Crew	PLANNED OUTAGE	9/7/2016 10:58:33 AM	60.07	1
OH_XFMR	PLANNED OUTAGE	9/7/2016 11:43:53 AM	296.43	1
OH_XFMR	PLANNED OUTAGE	9/7/2016 1:09:36 PM	66.83	5
UG Other	PLANNED OUTAGE	9/7/2016 2:49:43 PM	315.28	1
OH_XFMR	PLANNED OUTAGE	9/7/2016 3:02:27 PM	232.50	1
Service - Non Crew	PLANNED OUTAGE	9/8/2016 8:00:55 AM	69.75	1
Service - Non Crew	PLANNED OUTAGE	9/8/2016 8:58:40 AM	43.85	1
OH_XFMR	PLANNED OUTAGE	9/8/2016 9:18:15 AM	2,252.40	9
OH_XFMR	PLANNED OUTAGE	9/8/2016 10:33:53 AM	4,173.65	13
OH_XFMR	PLANNED OUTAGE	9/8/2016 10:59:17 AM	2,466.92	7
OH_XFMR	PLANNED OUTAGE	9/8/2016 11:36:36 AM	977.90	3
OH_XFMR	PLANNED OUTAGE	9/8/2016 2:23:04 PM	1,443.75	9
OH_XFMR	PLANNED OUTAGE	9/8/2016 4:34:33 PM	157.95	9
OH_XFMR	PLANNED OUTAGE	9/8/2016 9:08:36 PM	548.67	4
OH_XFMR	PLANNED OUTAGE	9/8/2016 9:08:36 PM	411.50	3
OH_XFMR	PLANNED OUTAGE	9/9/2016 5:21:11 AM	464.92	7
Service - Non Crew	PLANNED OUTAGE	9/9/2016 8:05:02 AM	175.40	1
OH Other	PLANNED OUTAGE	9/9/2016 8:30:15 AM	399.77	1
OH_XFMR	PLANNED OUTAGE	9/9/2016 9:08:53 AM	541.50	1
OH_XFMR	PLANNED OUTAGE	9/9/2016 9:09:44 AM	540.78	1
OH_XFMR	PLANNED OUTAGE	9/9/2016 9:21:07 AM	1,807.35	9
OH_XFMR	PLANNED OUTAGE	9/9/2016 9:54:05 AM	3,989.00	5
OH Other	PLANNED OUTAGE	9/9/2016 9:59:54 AM	44.92	1
OH Other	PLANNED OUTAGE	9/9/2016 10:04:17 AM	102.18	1
OH_XFMR	PLANNED OUTAGE	9/9/2016 10:10:20 AM	510.30	6
OH_XFMR	PLANNED OUTAGE	9/9/2016 10:12:03 AM	37.12	1

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OH Other	PLANNED OUTAGE	9/9/2016 11:16:01 AM	78.77	1
ELBOW	PLANNED OUTAGE	9/9/2016 11:58:10 AM	353.87	8
ELBOW	PLANNED OUTAGE	9/9/2016 11:58:10 AM	265.40	6
OH_XFMR	PLANNED OUTAGE	9/9/2016 12:22:08 PM	443.33	4
UG_XFMR	PLANNED OUTAGE	9/9/2016 5:11:53 PM	0.17	1
OH_XFMR	PLANNED OUTAGE	9/12/2016 9:07:00 AM	4,046.13	8
OH_XFMR	PLANNED OUTAGE	9/12/2016 9:08:13 AM	418.63	1
OH_XFMR	PLANNED OUTAGE	9/12/2016 9:11:52 AM	2,816.33	10
OH_XFMR	PLANNED OUTAGE	9/12/2016 9:37:46 AM	510.73	2
OH_XFMR	PLANNED OUTAGE	9/12/2016 9:44:50 AM	1,870.60	4
OH_XFMR	PLANNED OUTAGE	9/12/2016 10:02:00 AM	1,313.10	6
OH_XFMR	PLANNED OUTAGE	9/12/2016 10:21:14 AM	2,204.53	7
OH_XFMR	PLANNED OUTAGE	9/12/2016 10:56:54 AM	512.87	4
TX Repaired (OH)	PLANNED OUTAGE	9/12/2016 11:39:06 AM	133.67	2
OH_XFMR	PLANNED OUTAGE	9/12/2016 4:44:48 PM	193.00	4
OH_XFMR	PLANNED OUTAGE	9/13/2016 9:21:31 AM	4,080.00	15
OH_XFMR	PLANNED OUTAGE	9/13/2016 9:27:55 AM	2,669.70	6
OH_XFMR	PLANNED OUTAGE	9/13/2016 9:28:05 AM	3,114.30	7
OH_XFMR	PLANNED OUTAGE	9/13/2016 9:51:53 AM	1,535.27	4
OH_XFMR	PLANNED OUTAGE	9/13/2016 10:28:21 AM	837.20	7
ELBOW	PLANNED OUTAGE	9/13/2016 4:00:35 PM	98.60	2
OH_XFMR	PLANNED OUTAGE	9/13/2016 4:17:50 PM	2,263.33	8
OH_XFMR	PLANNED OUTAGE	9/13/2016 4:27:54 PM	424.92	5
UG_XFMR	PLANNED OUTAGE	9/14/2016 7:51:16 AM	284.55	1
OH_XFMR	PLANNED OUTAGE	9/14/2016 8:45:39 AM	1,113.47	8
UG_XFMR	PLANNED OUTAGE	9/14/2016 8:46:44 AM	5,030.75	15
OH_XFMR	PLANNED OUTAGE	9/14/2016 9:30:28 AM	274.83	1
ELBOW	PLANNED OUTAGE	9/14/2016 10:24:23 AM	1,494.70	6
OH_XFMR	PLANNED OUTAGE	9/14/2016 12:15:54 PM	182.63	1
ELBOW	PLANNED OUTAGE	9/14/2016 12:57:18 PM	2,891.00	140
OH_XFMR	PLANNED OUTAGE	9/14/2016 2:21:14 PM	660.73	11
Circuit Out	PLANNED OUTAGE	9/14/2016 10:21:32 PM	19,467.20	1,058
OH_XFMR	PLANNED OUTAGE	9/15/2016 6:25:05 AM	180.27	2
OH_XFMR	PLANNED OUTAGE	9/15/2016 8:06:45 AM	1,080.27	8
OH_XFMR	PLANNED OUTAGE	9/15/2016 9:19:03 AM	57.85	3
Service - Crew	PLANNED OUTAGE	9/15/2016 9:57:50 AM	154.50	1
OH Other	PLANNED OUTAGE	9/15/2016 10:30:22 AM	1,270.20	36
OH_XFMR	PLANNED OUTAGE	9/15/2016 10:32:20 AM	1,381.90	13
OH_XFMR	PLANNED OUTAGE	9/15/2016 11:03:29 AM	555.20	4
OH_XFMR	PLANNED OUTAGE	9/15/2016 1:43:38 PM	364.75	3
OH_XFMR	PLANNED OUTAGE	9/15/2016 1:51:22 PM	258.30	2
OH Other	PLANNED OUTAGE	9/15/2016 2:49:53 PM	146.47	1
OH_XFMR	PLANNED OUTAGE	9/15/2016 5:24:33 PM	177.02	1
OH_XFMR	PLANNED OUTAGE	9/16/2016 4:41:44 AM	1,590.27	2
OH_XFMR	PLANNED OUTAGE	9/16/2016 8:44:47 AM	885.73	7
UG_XFMR	PLANNED OUTAGE	9/16/2016 9:02:33 AM	1,193.50	35
OH_XFMR	PLANNED OUTAGE	9/16/2016 9:06:57 AM	1,065.13	13
OH_XFMR	PLANNED OUTAGE	9/16/2016 9:49:09 AM	3,411.45	7
OH_XFMR	PLANNED OUTAGE	9/16/2016 10:14:28 AM	3,701.07	8
OH_XFMR	PLANNED OUTAGE	9/16/2016 11:59:38 AM	342.72	1
Circuit Out	PLANNED OUTAGE	9/17/2016 6:51:46 AM	16,218.75	1,557
OH_XFMR	PLANNED OUTAGE	9/19/2016 8:13:46 AM	1,480.80	3
OH_XFMR	PLANNED OUTAGE	9/19/2016 8:14:47 AM	3,939.47	8
OH_XFMR	PLANNED OUTAGE	9/19/2016 8:14:47 AM	2,462.17	5
UG_XFMR	PLANNED OUTAGE	9/19/2016 8:47:27 AM	540.43	1
OH_XFMR	PLANNED OUTAGE	9/19/2016 9:20:37 AM	4,001.17	10
OH_XFMR	PLANNED OUTAGE	9/19/2016 9:44:11 AM	2,870.47	7
OH_XFMR	PLANNED OUTAGE	9/19/2016 9:58:46 AM	2,653.35	9
OH_XFMR	PLANNED OUTAGE	9/19/2016 10:39:14 AM	351.17	2
OH_XFMR	PLANNED OUTAGE	9/19/2016 11:18:21 AM	182.47	14
OH_XFMR	PLANNED OUTAGE	9/19/2016 11:49:47 AM	337.20	1

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UG_XFMR	PLANNED OUTAGE	9/19/2016 12:08:56 PM	0.45	1
OH_XFMR	PLANNED OUTAGE	9/19/2016 12:22:55 PM	344.80	2
OH_XFMR	PLANNED OUTAGE	9/19/2016 1:28:52 PM	1,098.40	8
OH_XFMR	PLANNED OUTAGE	9/19/2016 1:37:18 PM	256.50	2
OH_XFMR	PLANNED OUTAGE	9/19/2016 2:29:06 PM	183.57	2
OH_XFMR	PLANNED OUTAGE	9/20/2016 7:39:52 AM	96.07	2
OH_XFMR	PLANNED OUTAGE	9/20/2016 9:21:43 AM	464.45	1
OH_XFMR	PLANNED OUTAGE	9/20/2016 10:00:52 AM	1,056.80	4
OH_XFMR	PLANNED OUTAGE	9/20/2016 10:19:05 AM	238.40	4
UG_XFMR	PLANNED OUTAGE	9/20/2016 10:43:00 AM	568.75	13
OH_XFMR	PLANNED OUTAGE	9/20/2016 11:45:26 AM	4,720.90	17
OH_XFMR	PLANNED OUTAGE	9/20/2016 11:55:24 AM	5,210.33	14
UG_XFMR	PLANNED OUTAGE	9/20/2016 12:12:17 PM	496.82	13
OH_XFMR	PLANNED OUTAGE	9/20/2016 1:04:41 PM	926.02	11
OH_XFMR	PLANNED OUTAGE	9/20/2016 1:07:52 PM	44.03	1
OH_XFMR	PLANNED OUTAGE	9/20/2016 5:38:55 PM	107.53	2
OH_XFMR	PLANNED OUTAGE	9/20/2016 6:18:15 PM	4,182.70	6
UG_XFMR	PLANNED OUTAGE	9/21/2016 8:08:26 AM	7,939.67	20
ELBOW	PLANNED OUTAGE	9/21/2016 8:41:41 AM	6,126.80	102
OH_XFMR	PLANNED OUTAGE	9/21/2016 8:52:24 AM	387.00	5
OH_XFMR	PLANNED OUTAGE	9/21/2016 8:53:15 AM	2,375.33	5
OH_XFMR	PLANNED OUTAGE	9/21/2016 9:17:40 AM	2,199.60	9
UG_XFMR	PLANNED OUTAGE	9/21/2016 9:17:50 AM	332.15	13
OH_XFMR	PLANNED OUTAGE	9/21/2016 10:50:12 AM	441.80	4
OH_XFMR	PLANNED OUTAGE	9/21/2016 10:51:40 AM	374.20	4
OH_XFMR	PLANNED OUTAGE	9/21/2016 1:15:58 PM	1,063.42	5
OH_XFMR	PLANNED OUTAGE	9/21/2016 1:31:23 PM	193.78	1
UG_XFMR	PLANNED OUTAGE	9/21/2016 2:54:28 PM	81.17	1
OH_XFMR	PLANNED OUTAGE	9/21/2016 3:42:05 PM	554.17	5
OH_XFMR	PLANNED OUTAGE	9/22/2016 5:24:01 AM	5,430.75	5
OH_XFMR	PLANNED OUTAGE	9/22/2016 8:24:40 AM	1,251.30	3
ELBOW	PLANNED OUTAGE	9/22/2016 8:31:37 AM	272.60	87
ELBOW	PLANNED OUTAGE	9/22/2016 8:39:48 AM	136.20	4
OH_XFMR	PLANNED OUTAGE	9/22/2016 9:29:07 AM	602.82	1
OH_XFMR	PLANNED OUTAGE	9/22/2016 9:29:07 AM	2,411.27	4
OH_XFMR	PLANNED OUTAGE	9/22/2016 9:29:07 AM	4,219.72	7
OH_XFMR	PLANNED OUTAGE	9/22/2016 9:40:34 AM	378.85	3
ELBOW	PLANNED OUTAGE	9/22/2016 9:55:21 AM	8,941.28	73
OH_XFMR	PLANNED OUTAGE	9/22/2016 10:22:14 AM	1,316.75	15
OH_XFMR	PLANNED OUTAGE	9/22/2016 11:50:30 AM	439.37	7
Service - Non Crew	PLANNED OUTAGE	9/22/2016 12:10:14 PM	232.18	1
TRANSMISSION_STRUCTURE	PLANNED OUTAGE	9/22/2016 1:06:15 PM	523.07	8
OH_XFMR	PLANNED OUTAGE	9/22/2016 1:17:03 PM	605.50	7
OH Other	PLANNED OUTAGE	9/22/2016 1:25:54 PM	63.10	2
Service - Non Crew	PLANNED OUTAGE	9/22/2016 3:22:52 PM	70.78	1
OH_XFMR	PLANNED OUTAGE	9/22/2016 4:33:39 PM	137.20	12
OH_XFMR	PLANNED OUTAGE	9/23/2016 8:53:02 AM	1,460.33	4
OH_XFMR	PLANNED OUTAGE	9/23/2016 10:34:35 AM	693.35	7
OH_XFMR	PLANNED OUTAGE	9/23/2016 1:08:01 PM	368.40	4
OH_XFMR	PLANNED OUTAGE	9/23/2016 1:44:34 PM	14.93	4
OH_XFMR	PLANNED OUTAGE	9/24/2016 4:33:42 PM	2,677.85	7
OH_XFMR	PLANNED OUTAGE	9/25/2016 2:40:51 AM	972.00	45
PRIMARY_FUSE	PLANNED OUTAGE	9/25/2016 12:50:44 PM	597.55	17
PRIMARY_FUSE	PLANNED OUTAGE	9/25/2016 12:50:44 PM	210.90	6
PRIMARY_FUSE	PLANNED OUTAGE	9/25/2016 12:50:44 PM	175.75	5
UG_XFMR	PLANNED OUTAGE	9/25/2016 6:19:16 PM	0.43	1
OH_XFMR	PLANNED OUTAGE	9/26/2016 10:58:46 AM	266.85	1
OH_XFMR	PLANNED OUTAGE	9/26/2016 11:02:15 AM	9,553.65	9
OH_XFMR	PLANNED OUTAGE	9/26/2016 11:12:44 AM	102.07	4
OH_XFMR	PLANNED OUTAGE	9/26/2016 11:28:43 AM	237.65	1
OH_XFMR	PLANNED OUTAGE	9/26/2016 12:05:24 PM	466.00	3

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ELBOW	PLANNED OUTAGE	9/26/2016 12:20:09 PM	11,941.30	14
ELBOW	PLANNED OUTAGE	9/26/2016 12:20:21 PM	12,787.75	15
OH_XFMR	PLANNED OUTAGE	9/26/2016 1:40:35 PM	421.60	4
UG_XFMR	PLANNED OUTAGE	9/27/2016 6:07:47 AM	728.53	1
OH_XFMR	PLANNED OUTAGE	9/27/2016 7:59:15 AM	1,014.53	2
ELBOW	PLANNED OUTAGE	9/27/2016 8:42:12 AM	1,149.33	2
OH_XFMR	PLANNED OUTAGE	9/27/2016 8:44:40 AM	4,009.60	7
OH_XFMR	PLANNED OUTAGE	9/27/2016 9:53:02 AM	2,018.60	4
OH_XFMR	PLANNED OUTAGE	9/27/2016 10:31:27 AM	102.93	1
UG Other	PLANNED OUTAGE	9/27/2016 10:31:29 AM	122.63	1
OH Other	PLANNED OUTAGE	9/27/2016 11:01:16 AM	132.37	1
OH_XFMR	PLANNED OUTAGE	9/27/2016 11:12:45 AM	243.60	1
OH_XFMR	PLANNED OUTAGE	9/27/2016 11:46:03 AM	1,063.30	7
ELBOW	PLANNED OUTAGE	9/27/2016 11:59:29 AM	418.83	10
OH_XFMR	PLANNED OUTAGE	9/27/2016 12:19:22 PM	3,226.50	9
OH_XFMR	PLANNED OUTAGE	9/27/2016 12:22:00 PM	356.17	1
ELBOW	PLANNED OUTAGE	9/27/2016 1:29:31 PM	244.40	4
UG Other	PLANNED OUTAGE	9/27/2016 3:06:23 PM	243.75	1
OH_XFMR	PLANNED OUTAGE	9/28/2016 8:39:10 AM	1,443.25	5
OH_XFMR	PLANNED OUTAGE	9/28/2016 8:46:45 AM	645.10	3
ELBOW	PLANNED OUTAGE	9/28/2016 9:13:41 AM	481.95	1
UG_XFMR	PLANNED OUTAGE	9/28/2016 9:48:02 AM	1,769.20	12
OH_XFMR	PLANNED OUTAGE	9/28/2016 11:16:52 AM	1,111.52	17
OH_XFMR	PLANNED OUTAGE	9/28/2016 12:18:30 PM	1,653.63	7
ELBOW	PLANNED OUTAGE	9/28/2016 12:38:37 PM	4,179.00	15
ELBOW	PLANNED OUTAGE	9/28/2016 12:38:40 PM	3,338.60	12
OH_XFMR	PLANNED OUTAGE	9/28/2016 12:46:41 PM	18.47	1
OH_XFMR	PLANNED OUTAGE	9/28/2016 1:01:12 PM	544.43	2
OH_XFMR	PLANNED OUTAGE	9/28/2016 1:53:54 PM	2,728.08	5
OH_XFMR	PLANNED OUTAGE	9/28/2016 2:35:02 PM	521.50	6
OH_XFMR	PLANNED OUTAGE	9/28/2016 3:57:52 PM	41.70	1
OH_XFMR	PLANNED OUTAGE	9/29/2016 7:07:08 AM	6,958.50	18
PRIMARY_FUSE	PLANNED OUTAGE	9/29/2016 8:48:18 AM	580.28	37
OH_XFMR	PLANNED OUTAGE	9/29/2016 8:50:32 AM	5,833.60	16
OH_XFMR	PLANNED OUTAGE	9/29/2016 8:53:33 AM	472.52	1
ELBOW	PLANNED OUTAGE	9/29/2016 9:42:13 AM	374.25	5
OH_XFMR	PLANNED OUTAGE	9/29/2016 10:10:40 AM	341.40	12
OH_XFMR	PLANNED OUTAGE	9/29/2016 10:43:55 AM	2,168.50	6
OH_XFMR	PLANNED OUTAGE	9/29/2016 12:24:42 PM	219.00	4
OH_XFMR	PLANNED OUTAGE	9/29/2016 2:12:48 PM	612.00	4
OH_XFMR	PLANNED OUTAGE	9/29/2016 2:12:48 PM	459.00	3
OH_XFMR	PLANNED OUTAGE	9/29/2016 2:18:12 PM	325.70	2
OH_XFMR	PLANNED OUTAGE	9/29/2016 2:19:48 PM	1,130.62	7
OH_XFMR	PLANNED OUTAGE	9/29/2016 2:32:47 PM	41.80	3
OH_XFMR	PLANNED OUTAGE	9/30/2016 9:22:08 AM	4,572.00	16
OH_XFMR	PLANNED OUTAGE	9/30/2016 10:09:36 AM	1,151.52	11
OH Other	PLANNED OUTAGE	9/30/2016 10:29:54 AM	40.15	1
OH_XFMR	PLANNED OUTAGE	9/30/2016 1:22:49 PM	366.25	15
Service - Crew	PLANNED OUTAGE	9/30/2016 1:43:56 PM	71.73	1
OH_XFMR	PLANNED OUTAGE	10/1/2016 10:30:50 AM	414.25	1
Circuit Out	PLANNED OUTAGE	10/1/2016 3:01:40 PM	2,778.75	975
Circuit Out	PLANNED OUTAGE	10/1/2016 4:12:07 PM	23,906.05	1,169
Circuit Out	PLANNED OUTAGE	10/1/2016 6:48:34 PM	26,848.03	1,169
OH_XFMR	PLANNED OUTAGE	10/2/2016 1:00:48 AM	47.43	1
OH_XFMR	PLANNED OUTAGE	10/2/2016 8:53:08 AM	2,169.53	7
OH_XFMR	PLANNED OUTAGE	10/2/2016 8:53:08 AM	1,549.67	5
Circuit Out	PLANNED OUTAGE	10/2/2016 8:55:29 PM	2,926.88	1,163
OH_XFMR	PLANNED OUTAGE	10/3/2016 9:50:56 AM	3,515.05	11
OH_XFMR	PLANNED OUTAGE	10/3/2016 9:51:03 AM	8,621.55	27
OH_XFMR	PLANNED OUTAGE	10/3/2016 10:08:07 AM	184.55	1
OH_XFMR	PLANNED OUTAGE	10/3/2016 10:37:42 AM	67.00	3

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OH_XFMR	PLANNED OUTAGE	10/3/2016 10:40:59 AM	41.30	2
ELBOW	PLANNED OUTAGE	10/3/2016 10:48:41 AM	633.60	16
OH_XFMR	PLANNED OUTAGE	10/3/2016 11:21:45 AM	722.57	2
OH_XFMR	PLANNED OUTAGE	10/3/2016 11:41:12 AM	3,809.07	16
OH_XFMR	PLANNED OUTAGE	10/3/2016 1:08:11 PM	1,388.80	12
UG_XFMR	PLANNED OUTAGE	10/3/2016 1:42:08 PM	796.73	19
OH_XFMR	PLANNED OUTAGE	10/3/2016 1:46:56 PM	28.90	2
OH_XFMR	PLANNED OUTAGE	10/3/2016 2:46:55 PM	264.63	2
OH_XFMR	PLANNED OUTAGE	10/3/2016 5:38:16 PM	466.00	6
OH_XFMR	PLANNED OUTAGE	10/4/2016 8:40:09 AM	689.15	7
PRIMARY_FUSE	PLANNED OUTAGE	10/4/2016 8:43:51 AM	414.83	10
ELBOW	PLANNED OUTAGE	10/4/2016 9:09:08 AM	6,208.58	13
OH_XFMR	PLANNED OUTAGE	10/4/2016 9:53:36 AM	1,213.68	7
OH_XFMR	PLANNED OUTAGE	10/4/2016 9:54:55 AM	2,161.72	7
ELBOW	PLANNED OUTAGE	10/4/2016 10:10:01 AM	675.30	18
OH_XFMR	PLANNED OUTAGE	10/4/2016 10:10:21 AM	758.75	3
OH_XFMR	PLANNED OUTAGE	10/4/2016 10:31:06 AM	2,201.30	6
OH_XFMR	PLANNED OUTAGE	10/4/2016 10:45:05 AM	100.00	1
OH_XFMR	PLANNED OUTAGE	10/4/2016 11:02:03 AM	862.17	10
OH_XFMR	PLANNED OUTAGE	10/4/2016 11:11:15 AM	2,276.80	8
OH Other	PLANNED OUTAGE	10/4/2016 12:15:00 PM	78.68	1
OH_XFMR	PLANNED OUTAGE	10/4/2016 12:35:29 PM	657.90	9
OCR, Sec.	PLANNED OUTAGE	10/5/2016 3:39:06 AM	6,969.50	795
UG_XFMR	PLANNED OUTAGE	10/5/2016 4:51:55 AM	1,757.23	17
OH_XFMR	PLANNED OUTAGE	10/5/2016 9:27:45 AM	2,730.60	9
OH_XFMR	PLANNED OUTAGE	10/5/2016 9:51:48 AM	1,629.25	19
OH_XFMR	PLANNED OUTAGE	10/5/2016 10:39:48 AM	928.75	3
OH_XFMR	PLANNED OUTAGE	10/5/2016 10:43:05 AM	318.02	1
OH_XFMR	PLANNED OUTAGE	10/5/2016 10:43:05 AM	318.02	1
OH_XFMR	PLANNED OUTAGE	10/5/2016 11:06:27 AM	2,990.53	8
UG_XFMR	PLANNED OUTAGE	10/5/2016 11:17:32 AM	253.05	9
OH_XFMR	PLANNED OUTAGE	10/5/2016 11:26:20 AM	72.00	3
ELBOW	PLANNED OUTAGE	10/5/2016 11:35:15 AM	280.07	4
OH_XFMR	PLANNED OUTAGE	10/5/2016 12:25:43 PM	1,434.17	10
ELBOW	PLANNED OUTAGE	10/5/2016 12:45:36 PM	103.50	6
ELBOW	PLANNED OUTAGE	10/5/2016 1:42:54 PM	331.73	8
OH_XFMR	PLANNED OUTAGE	10/5/2016 1:55:27 PM	473.33	10
OH_XFMR	PLANNED OUTAGE	10/5/2016 2:01:50 PM	407.17	5
UG_XFMR	PLANNED OUTAGE	10/6/2016 9:08:14 AM	946.35	9
ELBOW	PLANNED OUTAGE	10/6/2016 9:08:14 AM	1,051.50	10
OH_XFMR	PLANNED OUTAGE	10/6/2016 9:08:48 AM	657.90	9
OH_XFMR	PLANNED OUTAGE	10/6/2016 10:37:47 AM	749.33	10
OH_XFMR	PLANNED OUTAGE	10/6/2016 10:38:09 AM	597.87	8
None	PLANNED OUTAGE	10/6/2016 7:34:17 PM	984.90	9
OH_XFMR	PLANNED OUTAGE	10/6/2016 9:44:30 PM	27.03	2
OH_XFMR	PLANNED OUTAGE	10/6/2016 10:01:27 PM	470.50	15
OH_XFMR	PLANNED OUTAGE	10/6/2016 11:35:38 PM	167.77	1
OH Other	PLANNED OUTAGE	10/7/2016 8:19:14 AM	62.20	1
OH_XFMR	PLANNED OUTAGE	10/7/2016 10:19:54 AM	307.33	8
UG Other	PLANNED OUTAGE	10/7/2016 11:00:49 AM	262.00	1
PRIMARY_FUSE	PLANNED OUTAGE	10/7/2016 11:35:32 AM	374.58	31
OH_XFMR	PLANNED OUTAGE	10/7/2016 5:41:04 PM	315.80	2
UG_XFMR	PLANNED OUTAGE	10/7/2016 11:21:17 PM	270.67	8
Circuit Out	PLANNED OUTAGE	10/9/2016 12:24:59 AM	1,022.65	339
UG_XFMR	PLANNED OUTAGE	10/10/2016 11:29:30 AM	265.60	8
OH Other	PLANNED OUTAGE	10/11/2016 8:25:29 AM	144.93	1
UG_XFMR	PLANNED OUTAGE	10/11/2016 9:35:48 AM	1,552.20	12
ELBOW	PLANNED OUTAGE	10/12/2016 9:37:46 AM	837.60	8
OH_XFMR	PLANNED OUTAGE	10/12/2016 10:50:16 AM	408.93	8
OH Other	PLANNED OUTAGE	10/12/2016 10:52:46 AM	278.93	8
Step Restoration	PLANNED OUTAGE	10/12/2016 11:01:27 AM	672.00	560

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UG_XFMR	PLANNED OUTAGE	10/12/2016 11:47:46 AM	404.53	8
Circuit Out	PLANNED OUTAGE	10/12/2016 4:28:02 PM	144.67	124
Service - Non Crew	PLANNED OUTAGE	10/13/2016 8:10:38 AM	65.70	1
Service - Non Crew	PLANNED OUTAGE	10/13/2016 10:52:59 AM	78.22	1
Service - Non Crew	PLANNED OUTAGE	10/13/2016 10:53:08 AM	140.43	1
ELBOW	PLANNED OUTAGE	10/13/2016 11:38:04 AM	8,550.83	31
UG_XFMR	PLANNED OUTAGE	10/13/2016 11:38:04 AM	275.83	1
UG_XFMR	PLANNED OUTAGE	10/13/2016 11:38:04 AM	275.83	1
OH_XFMR	PLANNED OUTAGE	10/14/2016 8:07:25 AM	1,117.20	18
OH_XFMR	PLANNED OUTAGE	10/14/2016 11:07:11 AM	394.70	6
OH_XFMR	PLANNED OUTAGE	10/14/2016 11:07:20 AM	130.70	1
OH_XFMR	PLANNED OUTAGE	10/14/2016 3:31:56 PM	659.60	4
OH_XFMR	PLANNED OUTAGE	10/15/2016 11:54:21 AM	386.80	2
OH_XFMR	PLANNED OUTAGE	10/15/2016 12:30:08 PM	650.18	7
OH_XFMR	PLANNED OUTAGE	10/15/2016 12:30:08 PM	278.65	3
Service - Non Crew	PLANNED OUTAGE	10/15/2016 2:14:13 PM	52.47	1
UG Other	PLANNED OUTAGE	10/15/2016 4:03:43 PM	307.22	1
Circuit Out	PLANNED OUTAGE	10/16/2016 12:19:36 PM	3,422.25	1,215
Circuit Out	PLANNED OUTAGE	10/16/2016 8:00:57 PM	9,664.60	2,101
OH_XFMR	PLANNED OUTAGE	10/17/2016 9:06:15 AM	4,872.00	15
OH_XFMR	PLANNED OUTAGE	10/17/2016 12:14:01 PM	1,063.50	10
OH_XFMR	PLANNED OUTAGE	10/17/2016 12:18:14 PM	48.90	1
OH_XFMR	PLANNED OUTAGE	10/17/2016 12:35:01 PM	5.10	1
OH_XFMR	PLANNED OUTAGE	10/17/2016 2:14:44 PM	293.23	1
Circuit Out	PLANNED OUTAGE	10/17/2016 4:15:37 PM	3,108.23	539
ELBOW	PLANNED OUTAGE	10/18/2016 9:20:32 AM	205.58	5
OH_XFMR	PLANNED OUTAGE	10/18/2016 9:41:25 AM	301.80	6
ELBOW	PLANNED OUTAGE	10/18/2016 10:01:39 AM	329.33	5
ELBOW	PLANNED OUTAGE	10/18/2016 10:01:39 AM	534.50	5
ELBOW	PLANNED OUTAGE	10/18/2016 10:01:39 AM	427.60	4
OH_XFMR	PLANNED OUTAGE	10/18/2016 10:11:36 AM	1,172.17	5
OH_XFMR	PLANNED OUTAGE	10/18/2016 10:35:51 AM	2,104.83	10
ELBOW	PLANNED OUTAGE	10/18/2016 11:07:31 AM	205.17	5
OH_XFMR	PLANNED OUTAGE	10/18/2016 1:30:12 PM	125.33	2
ELBOW	PLANNED OUTAGE	10/18/2016 4:36:25 PM	568.60	6
OH_XFMR	PLANNED OUTAGE	10/19/2016 9:55:23 AM	332.42	5
PRIMARY_FUSE	PLANNED OUTAGE	10/19/2016 12:16:38 PM	166.33	10
OH_XFMR	PLANNED OUTAGE	10/19/2016 12:25:41 PM	617.17	5
OH_XFMR	PLANNED OUTAGE	10/19/2016 12:32:05 PM	1,323.07	8
OH_XFMR	PLANNED OUTAGE	10/19/2016 2:02:43 PM	457.17	10
OH_XFMR	PLANNED OUTAGE	10/19/2016 3:23:29 PM	709.65	9
TRANSMISSION_STRUCTURE	PLANNED OUTAGE	10/19/2016 3:23:29 PM	1,103.90	14
OH_XFMR	PLANNED OUTAGE	10/20/2016 1:55:21 AM	839.48	11
UG_XFMR	PLANNED OUTAGE	10/20/2016 12:50:51 PM	2,539.90	11
Service - Non Crew	PLANNED OUTAGE	10/20/2016 1:52:59 PM	258.18	1
Circuit Out	PLANNED OUTAGE	10/21/2016 4:54:24 AM	7,837.28	2,363
OH_XFMR	PLANNED OUTAGE	10/21/2016 8:58:48 AM	385.73	1
OH_XFMR	PLANNED OUTAGE	10/21/2016 8:58:55 AM	385.83	1
ELBOW	PLANNED OUTAGE	10/21/2016 9:49:48 AM	799.73	4
OH_XFMR	PLANNED OUTAGE	10/21/2016 11:02:11 AM	192.08	5
ELBOW	PLANNED OUTAGE	10/21/2016 12:17:50 PM	1,468.87	22
ELBOW	PLANNED OUTAGE	10/21/2016 12:17:50 PM	400.90	6
Circuit Out	PLANNED OUTAGE	10/23/2016 6:08:18 AM	2,098.80	636
OH_XFMR	PLANNED OUTAGE	10/23/2016 6:39:49 AM	9,560.83	10
OH_XFMR	PLANNED OUTAGE	10/24/2016 9:29:50 AM	359.63	1
OH_XFMR	PLANNED OUTAGE	10/24/2016 10:26:59 AM	17,288.10	57
OH_XFMR	PLANNED OUTAGE	10/24/2016 10:30:16 AM	552.27	1
OH_XFMR	PLANNED OUTAGE	10/24/2016 11:47:06 AM	811.77	14
OH_XFMR	PLANNED OUTAGE	10/24/2016 12:39:09 PM	358.40	8
OH_XFMR	PLANNED OUTAGE	10/24/2016 1:02:09 PM	1,337.33	10
OH_XFMR	PLANNED OUTAGE	10/24/2016 1:30:04 PM	358.90	3

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OH_XFMR	PLANNED OUTAGE	10/24/2016 10:33:56 PM	535.17	10
OH_XFMR	PLANNED OUTAGE	10/25/2016 8:54:28 AM	4,765.50	15
OH Other	PLANNED OUTAGE	10/25/2016 9:12:42 AM	68.12	1
OH_XFMR	PLANNED OUTAGE	10/25/2016 9:25:27 AM	1,147.73	4
OH Other	PLANNED OUTAGE	10/25/2016 9:55:10 AM	249.47	1
OH_XFMR	PLANNED OUTAGE	10/25/2016 10:01:00 AM	451.27	2
OH_XFMR	PLANNED OUTAGE	10/25/2016 10:35:11 AM	779.33	4
OH_XFMR	PLANNED OUTAGE	10/25/2016 10:44:33 AM	2,183.67	10
OH_XFMR	PLANNED OUTAGE	10/25/2016 10:44:38 AM	521.50	7
OH_XFMR	PLANNED OUTAGE	10/25/2016 10:45:16 AM	1,524.25	7
UG_XFMR	PLANNED OUTAGE	10/25/2016 11:19:24 AM	249.77	2
ELBOW	PLANNED OUTAGE	10/25/2016 12:09:29 PM	426.30	6
ELBOW	PLANNED OUTAGE	10/25/2016 12:09:29 PM	142.10	2
ELBOW	PLANNED OUTAGE	10/25/2016 12:09:29 PM	142.10	2
OH_XFMR	PLANNED OUTAGE	10/25/2016 12:58:47 PM	1,763.33	4
OH_XFMR	PLANNED OUTAGE	10/25/2016 1:02:15 PM	479.55	3
OH_XFMR	PLANNED OUTAGE	10/25/2016 2:17:08 PM	2,457.00	18
OH_XFMR	PLANNED OUTAGE	10/25/2016 3:55:55 PM	466.20	12
OH_XFMR	PLANNED OUTAGE	10/25/2016 5:03:45 PM	999.33	4
Service - Non Crew	PLANNED OUTAGE	10/25/2016 5:34:11 PM	152.60	1
OH_XFMR	PLANNED OUTAGE	10/26/2016 7:46:46 AM	5,959.33	14
OH_XFMR	PLANNED OUTAGE	10/26/2016 7:47:46 AM	2,548.80	6
UG_XFMR	PLANNED OUTAGE	10/26/2016 8:47:02 AM	321.23	1
OH_XFMR	PLANNED OUTAGE	10/26/2016 9:11:05 AM	171.05	1
OH_XFMR	PLANNED OUTAGE	10/26/2016 9:32:35 AM	1,654.93	8
OH_XFMR	PLANNED OUTAGE	10/26/2016 9:54:10 AM	1,058.60	3
UG_XFMR	PLANNED OUTAGE	10/26/2016 10:46:56 AM	28.18	1
OH_XFMR	PLANNED OUTAGE	10/26/2016 11:13:41 AM	170.85	3
OH_XFMR	PLANNED OUTAGE	10/26/2016 11:26:07 AM	1,796.40	12
Circuit Out	PLANNED OUTAGE	10/26/2016 11:56:04 AM	2,144.00	240
OH_XFMR	PLANNED OUTAGE	10/26/2016 11:59:09 AM	708.75	3
Circuit Out	PLANNED OUTAGE	10/26/2016 12:56:55 PM	2,242.93	1,294
UG_XFMR	PLANNED OUTAGE	10/26/2016 3:46:06 PM	141.87	7
ELBOW	PLANNED OUTAGE	10/26/2016 5:14:56 PM	1,637.60	12
OH_XFMR	PLANNED OUTAGE	10/26/2016 6:17:28 PM	1,374.57	7
UG_XFMR	PLANNED OUTAGE	10/26/2016 8:11:33 PM	379.13	11
Circuit Out	PLANNED OUTAGE	10/27/2016 5:40:20 AM	8,132.80	1,632
OH Other	PLANNED OUTAGE	10/27/2016 9:06:18 AM	138.77	1
ELBOW	PLANNED OUTAGE	10/27/2016 9:06:47 AM	374.55	9
OH_XFMR	PLANNED OUTAGE	10/27/2016 9:13:06 AM	360.23	1
OH_XFMR	PLANNED OUTAGE	10/27/2016 10:04:04 AM	407.87	7
OH_XFMR	PLANNED OUTAGE	10/27/2016 10:09:17 AM	371.82	7
UG_XFMR	PLANNED OUTAGE	10/27/2016 2:18:52 PM	128.23	2
OH_XFMR	PLANNED OUTAGE	10/27/2016 3:04:14 PM	118.62	1
POLE	PLANNED OUTAGE	10/27/2016 3:04:26 PM	592.42	5
ELBOW	PLANNED OUTAGE	10/27/2016 3:58:35 PM	767.75	3
ELBOW	PLANNED OUTAGE	10/27/2016 3:58:35 PM	768.00	3
Cut Out 100 amp - Tx	PLANNED OUTAGE	10/27/2016 4:52:08 PM	5,776.98	13
OH_XFMR	PLANNED OUTAGE	10/27/2016 4:52:08 PM	444.38	1
OH_XFMR	PLANNED OUTAGE	10/27/2016 4:52:08 PM	5,776.98	13
OH_XFMR	PLANNED OUTAGE	10/28/2016 9:30:30 AM	6,364.17	14
OH_XFMR	PLANNED OUTAGE	10/28/2016 9:34:34 AM	354.30	2
ELBOW	PLANNED OUTAGE	10/28/2016 9:36:17 AM	502.00	4
Circuit Out	PLANNED OUTAGE	10/28/2016 10:07:38 AM	2,208.60	409
POLE	PLANNED OUTAGE	10/28/2016 11:48:13 AM	213.33	4
UG_XFMR	PLANNED OUTAGE	10/28/2016 1:39:50 PM	78.13	1
OH_XFMR	PLANNED OUTAGE	10/28/2016 3:32:33 PM	78.88	1
UG_XFMR	PLANNED OUTAGE	10/29/2016 6:03:01 AM	72.28	1
OH_XFMR	PLANNED OUTAGE	10/29/2016 8:17:09 AM	383.13	1
OH_XFMR	PLANNED OUTAGE	10/29/2016 8:45:26 AM	149.43	1
OH_XFMR	PLANNED OUTAGE	10/29/2016 10:00:04 AM	3,515.87	14

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OH_XFMR	PLANNED OUTAGE	10/29/2016 11:24:58 AM	50.28	1
OH_XFMR	PLANNED OUTAGE	10/30/2016 5:40:47 PM	227.73	7
OH_XFMR	PLANNED OUTAGE	10/31/2016 8:30:07 AM	417.68	1
PRIMARY_FUSE	PLANNED OUTAGE	10/31/2016 8:37:49 AM	6,556.27	16
OH_XFMR	PLANNED OUTAGE	10/31/2016 9:07:39 AM	462.33	4
OH_XFMR	PLANNED OUTAGE	10/31/2016 9:20:09 AM	11.63	2
OH_XFMR	PLANNED OUTAGE	10/31/2016 9:25:26 AM	955.03	7
OH_XFMR	PLANNED OUTAGE	10/31/2016 9:25:26 AM	818.60	6
OH_XFMR	PLANNED OUTAGE	10/31/2016 9:51:44 AM	711.20	6
ELBOW	PLANNED OUTAGE	10/31/2016 10:13:23 AM	366.95	1
OH_XFMR	PLANNED OUTAGE	10/31/2016 10:35:28 AM	311.80	1
OH_XFMR	PLANNED OUTAGE	10/31/2016 10:46:22 AM	1,182.60	6
OH_XFMR	PLANNED OUTAGE	10/31/2016 10:56:53 AM	592.00	8
ELBOW	PLANNED OUTAGE	10/31/2016 11:05:09 AM	1,573.00	5
OH_XFMR	PLANNED OUTAGE	10/31/2016 11:43:50 AM	975.07	8
OH_XFMR	PLANNED OUTAGE	11/1/2016 7:53:31 AM	559.20	2
OH_XFMR	PLANNED OUTAGE	11/1/2016 8:38:17 AM	2,012.33	4
OH_XFMR	PLANNED OUTAGE	11/1/2016 9:18:15 AM	627.27	2
OH_XFMR	PLANNED OUTAGE	11/1/2016 9:56:13 AM	268.17	1
OH_XFMR	PLANNED OUTAGE	11/1/2016 10:00:33 AM	1,541.00	4
OH_XFMR	PLANNED OUTAGE	11/1/2016 10:15:24 AM	1,057.70	6
OH_XFMR	PLANNED OUTAGE	11/1/2016 10:21:19 AM	1,604.80	4
OH_XFMR	PLANNED OUTAGE	11/1/2016 12:35:43 PM	58.35	1
OH_XFMR	PLANNED OUTAGE	11/1/2016 12:50:43 PM	1,004.33	4
OH_XFMR	PLANNED OUTAGE	11/1/2016 1:11:20 PM	1,077.00	4
OH_XFMR	PLANNED OUTAGE	11/1/2016 2:29:48 PM	964.65	9
OH_XFMR	PLANNED OUTAGE	11/1/2016 2:30:07 PM	641.90	6
OH_XFMR	PLANNED OUTAGE	11/1/2016 2:34:24 PM	1,865.28	13
OH_XFMR	PLANNED OUTAGE	11/1/2016 2:40:30 PM	797.75	5
OH_XFMR	PLANNED OUTAGE	11/2/2016 8:02:02 AM	1,115.80	6
OH_XFMR	PLANNED OUTAGE	11/2/2016 9:08:48 AM	328.13	2
OH_XFMR	PLANNED OUTAGE	11/2/2016 9:18:57 AM	1,029.03	2
OH_XFMR	PLANNED OUTAGE	11/2/2016 10:08:25 AM	201.85	1
OH_XFMR	PLANNED OUTAGE	11/2/2016 10:39:41 AM	4,342.17	10
OH_XFMR	PLANNED OUTAGE	11/2/2016 11:08:39 AM	500.60	3
OH_XFMR	PLANNED OUTAGE	11/2/2016 1:12:02 PM	237.70	6
OH_XFMR	PLANNED OUTAGE	11/2/2016 2:49:38 PM	680.87	7
OH_XFMR	PLANNED OUTAGE	11/2/2016 2:49:44 PM	972.33	10
Circuit Out	PLANNED OUTAGE	11/3/2016 4:47:46 AM	8,302.13	652
OH_XFMR	PLANNED OUTAGE	11/3/2016 8:05:21 AM	619.50	5
OH_XFMR	PLANNED OUTAGE	11/3/2016 8:23:28 AM	181.58	1
OH_XFMR	PLANNED OUTAGE	11/3/2016 10:18:35 AM	928.95	3
OH_XFMR	PLANNED OUTAGE	11/3/2016 12:01:19 PM	243.68	1
OH_XFMR	PLANNED OUTAGE	11/3/2016 1:17:24 PM	859.83	14
OH_XFMR	PLANNED OUTAGE	11/3/2016 1:29:44 PM	193.95	1
OH_XFMR	PLANNED OUTAGE	11/3/2016 1:42:00 PM	546.50	3
UG_XFMR	PLANNED OUTAGE	11/3/2016 2:26:37 PM	1,028.53	14
OH_XFMR	PLANNED OUTAGE	11/3/2016 2:37:06 PM	1,272.17	10
OH_XFMR	PLANNED OUTAGE	11/3/2016 2:59:43 PM	813.87	8
OH_XFMR	PLANNED OUTAGE	11/3/2016 3:00:04 PM	811.47	8
OH_XFMR	PLANNED OUTAGE	11/4/2016 7:17:42 AM	669.83	5
OH_XFMR	PLANNED OUTAGE	11/4/2016 9:18:34 AM	239.03	2
UG_XFMR	PLANNED OUTAGE	11/4/2016 10:02:12 AM	816.37	1
OH_XFMR	PLANNED OUTAGE	11/4/2016 10:02:18 AM	699.87	4
OH_XFMR	PLANNED OUTAGE	11/4/2016 10:05:20 AM	152.67	8
OH_XFMR	PLANNED OUTAGE	11/4/2016 10:19:06 AM	130.07	2
OH_XFMR	PLANNED OUTAGE	11/4/2016 8:07:30 PM	2,788.40	6
OH_XFMR	PLANNED OUTAGE	11/4/2016 8:07:30 PM	2,323.67	5
OH_XFMR	PLANNED OUTAGE	11/5/2016 1:24:20 PM	505.50	5
OH_XFMR	PLANNED OUTAGE	11/7/2016 9:31:10 AM	1,519.35	3
OH_XFMR	PLANNED OUTAGE	11/7/2016 12:01:26 PM	2,496.67	7

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OH_XFMR	PLANNED OUTAGE	11/7/2016 12:21:38 PM	884.00	3
OH_XFMR	PLANNED OUTAGE	11/7/2016 1:46:21 PM	419.00	2
OH_XFMR	PLANNED OUTAGE	11/7/2016 1:51:23 PM	551.85	3
OH_XFMR	PLANNED OUTAGE	11/7/2016 4:49:31 PM	524.67	8
OH_XFMR	PLANNED OUTAGE	11/8/2016 6:36:37 AM	120.27	1
UG_XFMR	PLANNED OUTAGE	11/8/2016 8:43:51 AM	1,261.07	8
OH_XFMR	PLANNED OUTAGE	11/8/2016 9:00:25 AM	203.98	1
OH Other	PLANNED OUTAGE	11/8/2016 9:01:47 AM	11.00	1
OH_XFMR	PLANNED OUTAGE	11/8/2016 11:45:28 AM	3,301.30	6
OH_XFMR	PLANNED OUTAGE	11/8/2016 11:45:37 AM	4,401.33	8
OH_XFMR	PLANNED OUTAGE	11/8/2016 11:50:32 AM	1,283.90	6
Service - Non Crew	PLANNED OUTAGE	11/8/2016 3:35:48 PM	55.63	1
OH_XFMR	PLANNED OUTAGE	11/8/2016 3:57:11 PM	486.45	9
OH_XFMR	PLANNED OUTAGE	11/8/2016 3:58:04 PM	160.50	3
OH_XFMR	PLANNED OUTAGE	11/9/2016 8:18:29 AM	7,244.50	15
OH_XFMR	PLANNED OUTAGE	11/9/2016 8:21:27 AM	3,686.90	14
OH_XFMR	PLANNED OUTAGE	11/9/2016 8:50:33 AM	340.15	1
OH_XFMR	PLANNED OUTAGE	11/9/2016 8:59:34 AM	442.47	1
OH_XFMR	PLANNED OUTAGE	11/9/2016 9:14:30 AM	242.22	1
OH_XFMR	PLANNED OUTAGE	11/9/2016 9:16:10 AM	315.03	1
OH_XFMR	PLANNED OUTAGE	11/9/2016 10:41:44 AM	1,245.92	5
UG_XFMR	PLANNED OUTAGE	11/9/2016 10:42:16 AM	893.50	15
OH_XFMR	PLANNED OUTAGE	11/9/2016 10:53:46 AM	216.85	1
OH_XFMR	PLANNED OUTAGE	11/9/2016 11:11:37 AM	480.93	4
OH_XFMR	PLANNED OUTAGE	11/10/2016 9:02:25 AM	1,487.65	3
OH_XFMR	PLANNED OUTAGE	11/10/2016 9:47:08 AM	2,825.67	10
OH_XFMR	PLANNED OUTAGE	11/10/2016 9:48:32 AM	1,968.87	7
OH_XFMR	PLANNED OUTAGE	11/10/2016 9:57:10 AM	329.00	10
OH_XFMR	PLANNED OUTAGE	11/10/2016 10:20:21 AM	839.87	2
OH_XFMR	PLANNED OUTAGE	11/10/2016 3:05:43 PM	675.33	5
OH_XFMR	PLANNED OUTAGE	11/10/2016 3:05:55 PM	540.13	4
UG Other	PLANNED OUTAGE	11/10/2016 8:13:38 PM	418.80	8
OH_XFMR	PLANNED OUTAGE	11/11/2016 8:37:13 AM	54.15	1
OH_XFMR	PLANNED OUTAGE	11/11/2016 9:17:40 AM	264.83	10
OH_XFMR	PLANNED OUTAGE	11/11/2016 9:28:19 AM	211.68	1
OH_XFMR	PLANNED OUTAGE	11/11/2016 11:11:59 AM	650.30	6
OH_XFMR	PLANNED OUTAGE	11/11/2016 11:40:23 AM	4,367.20	12
OH_XFMR	PLANNED OUTAGE	11/11/2016 12:49:18 PM	800.33	5
OH_XFMR	PLANNED OUTAGE	11/11/2016 4:01:48 PM	373.00	4
OH_XFMR	PLANNED OUTAGE	11/12/2016 7:37:36 AM	1,760.83	5
OH_XFMR	PLANNED OUTAGE	11/12/2016 7:37:36 AM	1,408.67	4
OH_XFMR	PLANNED OUTAGE	11/12/2016 7:56:01 AM	210.72	1
OH_XFMR	PLANNED OUTAGE	11/12/2016 8:39:26 AM	1,161.95	3
OH_XFMR	PLANNED OUTAGE	11/12/2016 8:39:31 AM	2,711.33	7
OH_XFMR	PLANNED OUTAGE	11/14/2016 8:53:15 AM	619.00	3
OH_XFMR	PLANNED OUTAGE	11/14/2016 9:21:46 AM	2,001.30	6
OH_XFMR	PLANNED OUTAGE	11/14/2016 9:33:29 AM	373.25	5
OH_XFMR	PLANNED OUTAGE	11/14/2016 10:08:42 AM	2,586.60	9
OH_XFMR	PLANNED OUTAGE	11/14/2016 10:09:47 AM	716.40	4
OH_XFMR	PLANNED OUTAGE	11/14/2016 10:10:46 AM	316.42	1
OH_XFMR	PLANNED OUTAGE	11/14/2016 10:26:41 AM	453.30	1
OH_XFMR	PLANNED OUTAGE	11/14/2016 10:28:41 AM	1,334.83	5
OH_XFMR	PLANNED OUTAGE	11/14/2016 10:44:07 AM	1,048.30	11
OH_XFMR	PLANNED OUTAGE	11/14/2016 12:01:59 PM	86.92	1
OH_XFMR	PLANNED OUTAGE	11/14/2016 12:20:07 PM	822.07	11
OH_XFMR	PLANNED OUTAGE	11/14/2016 2:05:54 PM	1,103.33	5
OH_XFMR	PLANNED OUTAGE	11/15/2016 8:37:09 AM	1,102.70	3
OH_XFMR	PLANNED OUTAGE	11/15/2016 9:15:44 AM	1,222.52	1
OH_XFMR	PLANNED OUTAGE	11/15/2016 9:39:10 AM	611.37	2
OH_XFMR	PLANNED OUTAGE	11/15/2016 9:42:30 AM	156.17	1
OH_XFMR	PLANNED OUTAGE	11/15/2016 9:45:13 AM	202.20	2

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OH_XFMR	PLANNED OUTAGE	11/15/2016 10:36:22 AM	2,514.87	14
OH_XFMR	PLANNED OUTAGE	11/15/2016 10:54:24 AM	690.80	6
OH_XFMR	PLANNED OUTAGE	11/15/2016 11:38:10 AM	163.78	1
OH_XFMR	PLANNED OUTAGE	11/15/2016 12:53:39 PM	1,364.70	9
OH_XFMR	PLANNED OUTAGE	11/16/2016 8:35:55 AM	467.47	1
OH_XFMR	PLANNED OUTAGE	11/16/2016 9:40:25 AM	993.60	8
OH_XFMR	PLANNED OUTAGE	11/16/2016 9:59:50 AM	1,152.60	4
OH_XFMR	PLANNED OUTAGE	11/16/2016 10:03:38 AM	3,388.35	7
OH_XFMR	PLANNED OUTAGE	11/16/2016 10:06:19 AM	1,024.58	5
ELBOW	PLANNED OUTAGE	11/16/2016 10:27:13 AM	7,495.30	34
OH_XFMR	PLANNED OUTAGE	11/16/2016 11:15:42 AM	3,226.13	4
OH_XFMR	PLANNED OUTAGE	11/16/2016 12:43:48 PM	268.07	4
ELBOW	PLANNED OUTAGE	11/16/2016 1:15:36 PM	797.30	17
OH_XFMR	PLANNED OUTAGE	11/16/2016 1:23:08 PM	546.75	3
OH_XFMR	PLANNED OUTAGE	11/16/2016 2:37:22 PM	423.13	4
OH_XFMR	PLANNED OUTAGE	11/16/2016 3:16:35 PM	1,438.95	9
OH_XFMR	PLANNED OUTAGE	11/17/2016 8:56:50 AM	812.07	1
UG_XFMR	PLANNED OUTAGE	11/17/2016 8:56:53 AM	202.88	7
OH_XFMR	PLANNED OUTAGE	11/17/2016 9:11:30 AM	308.92	1
OH_XFMR	PLANNED OUTAGE	11/17/2016 10:21:14 AM	1,454.93	2
OH_XFMR	PLANNED OUTAGE	11/17/2016 10:39:16 AM	380.80	2
OH_XFMR	PLANNED OUTAGE	11/17/2016 10:44:50 AM	1,031.00	10
OH_XFMR	PLANNED OUTAGE	11/17/2016 11:39:02 AM	232.43	1
PRIMARY_FUSE	PLANNED OUTAGE	11/17/2016 1:11:18 PM	437.83	2
OH_XFMR	PLANNED OUTAGE	11/17/2016 1:54:58 PM	1,199.67	5
OH_XFMR	PLANNED OUTAGE	11/17/2016 2:42:22 PM	452.83	5
OH_XFMR	PLANNED OUTAGE	11/17/2016 5:15:24 PM	313.65	1
OH_XFMR	PLANNED OUTAGE	11/18/2016 7:57:55 AM	499.30	1
OH_XFMR	PLANNED OUTAGE	11/18/2016 8:22:42 AM	1,013.93	4
OH_XFMR	PLANNED OUTAGE	11/18/2016 8:50:54 AM	3,679.67	7
UG_XFMR	PLANNED OUTAGE	11/18/2016 10:09:12 AM	416.87	13
OH_XFMR	PLANNED OUTAGE	11/18/2016 10:10:21 AM	564.00	4
OH_XFMR	PLANNED OUTAGE	11/18/2016 11:06:50 AM	836.17	10
OH_XFMR	PLANNED OUTAGE	11/18/2016 11:50:47 AM	349.08	5
OH_XFMR	PLANNED OUTAGE	11/19/2016 8:08:36 AM	614.00	2
OH_XFMR	PLANNED OUTAGE	11/19/2016 8:27:07 AM	418.97	2
OH_XFMR	PLANNED OUTAGE	11/19/2016 8:27:07 AM	628.45	3
OH_XFMR	PLANNED OUTAGE	11/19/2016 8:28:49 AM	3,092.27	8
OH_XFMR	PLANNED OUTAGE	11/19/2016 8:46:49 AM	478.75	3
ELBOW	PLANNED OUTAGE	11/19/2016 8:51:42 AM	7.17	86
ELBOW	PLANNED OUTAGE	11/19/2016 8:52:04 AM	3.87	58
ELBOW	PLANNED OUTAGE	11/19/2016 8:52:20 AM	268.67	8
Circuit Out	PLANNED OUTAGE	11/19/2016 5:50:04 PM	1,480.93	766
Circuit Out	PLANNED OUTAGE	11/20/2016 7:10:07 AM	89,169.60	1,429
UG_XFMR	PLANNED OUTAGE	11/21/2016 8:30:43 AM	4,842.57	11
OH_XFMR	PLANNED OUTAGE	11/21/2016 8:54:00 AM	760.70	2
OH_XFMR	PLANNED OUTAGE	11/21/2016 9:17:19 AM	145.93	4
OH_XFMR	PLANNED OUTAGE	11/21/2016 10:09:39 AM	2,725.60	8
OH_XFMR	PLANNED OUTAGE	11/21/2016 10:09:52 AM	2,385.13	7
OH_XFMR	PLANNED OUTAGE	11/21/2016 10:39:36 AM	251.63	1
OH_XFMR	PLANNED OUTAGE	11/21/2016 11:38:53 AM	336.62	1
OH_XFMR	PLANNED OUTAGE	11/21/2016 11:41:55 AM	999.00	3
OH_XFMR	PLANNED OUTAGE	11/21/2016 12:01:42 PM	208.92	1
POLE	PLANNED OUTAGE	11/21/2016 12:21:50 PM	192.92	1
OH_XFMR	PLANNED OUTAGE	11/21/2016 12:53:52 PM	3,103.50	6
OH_XFMR	PLANNED OUTAGE	11/21/2016 1:07:08 PM	419.40	2
OH_XFMR	PLANNED OUTAGE	11/21/2016 1:29:14 PM	142.62	1
OH_XFMR	PLANNED OUTAGE	11/21/2016 2:49:10 PM	247.40	6
OH_XFMR	PLANNED OUTAGE	11/21/2016 2:49:10 PM	164.93	4
Circuit Out	PLANNED OUTAGE	11/21/2016 10:31:32 PM	45,240.00	1,170
OH_XFMR	PLANNED OUTAGE	11/22/2016 8:51:45 AM	4,195.03	11

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OH_XFMR	PLANNED OUTAGE	11/22/2016 9:07:52 AM	843.20	12
OH_XFMR	PLANNED OUTAGE	11/22/2016 9:10:52 AM	314.08	1
OH_XFMR	PLANNED OUTAGE	11/22/2016 9:11:19 AM	933.92	5
OH_XFMR	PLANNED OUTAGE	11/22/2016 9:20:01 AM	687.73	2
OH_XFMR	PLANNED OUTAGE	11/22/2016 9:31:01 AM	721.48	1
OH_XFMR	PLANNED OUTAGE	11/22/2016 9:52:40 AM	883.28	7
OH_XFMR	PLANNED OUTAGE	11/22/2016 11:23:47 AM	1,483.50	10
OH_XFMR	PLANNED OUTAGE	11/22/2016 12:44:32 PM	482.40	4
OH_XFMR	PLANNED OUTAGE	11/22/2016 12:44:38 PM	965.33	8
OH_XFMR	PLANNED OUTAGE	11/22/2016 1:01:09 PM	441.67	4
OH_XFMR	PLANNED OUTAGE	11/23/2016 8:08:45 AM	2,138.22	11
OH_XFMR	PLANNED OUTAGE	11/23/2016 8:40:56 AM	588.10	6
OH_XFMR	PLANNED OUTAGE	11/23/2016 8:54:27 AM	524.40	4
OH_XFMR	PLANNED OUTAGE	11/23/2016 9:02:08 AM	1,456.23	7
OH_XFMR	PLANNED OUTAGE	11/23/2016 9:03:14 AM	982.80	4
OH_XFMR	PLANNED OUTAGE	11/23/2016 9:11:29 AM	3,190.37	11
OH_XFMR	PLANNED OUTAGE	11/23/2016 9:38:57 AM	1,613.60	4
OH_XFMR	PLANNED OUTAGE	11/23/2016 10:21:31 AM	360.63	1
OH_XFMR	PLANNED OUTAGE	11/23/2016 10:56:07 AM	604.87	4
OH_XFMR	PLANNED OUTAGE	11/23/2016 11:22:48 AM	1,026.00	8
OH_XFMR	PLANNED OUTAGE	11/23/2016 2:50:43 PM	552.80	6
OH_XFMR	PLANNED OUTAGE	11/23/2016 3:20:21 PM	327.47	2
PLF	PLANNED OUTAGE	11/24/2016 10:16:09 PM	516.00	10
OH_XFMR	PLANNED OUTAGE	11/28/2016 9:20:22 AM	19.18	1
OH_XFMR	PLANNED OUTAGE	11/28/2016 9:33:37 AM	1,307.95	3
OH_XFMR	PLANNED OUTAGE	11/28/2016 9:34:51 AM	1,738.40	4
OH_XFMR	PLANNED OUTAGE	11/28/2016 9:47:53 AM	1,835.00	6
OH_XFMR	PLANNED OUTAGE	11/28/2016 10:13:54 AM	2,198.00	7
UG_XFMR	PLANNED OUTAGE	11/28/2016 10:17:15 AM	5,852.10	18
OH_XFMR	PLANNED OUTAGE	11/28/2016 10:34:09 AM	1,118.70	6
OH_XFMR	PLANNED OUTAGE	11/28/2016 10:49:51 AM	2,309.00	6
OH_XFMR	PLANNED OUTAGE	11/28/2016 10:52:57 AM	1,633.33	8
OH_XFMR	PLANNED OUTAGE	11/28/2016 10:59:32 AM	1,563.73	8
OH_XFMR	PLANNED OUTAGE	11/28/2016 11:00:33 AM	245.98	1
OH_XFMR	PLANNED OUTAGE	11/28/2016 11:48:47 AM	590.60	4
OH_XFMR	PLANNED OUTAGE	11/28/2016 1:21:46 PM	1,081.10	6
OH_XFMR	PLANNED OUTAGE	11/28/2016 1:22:06 PM	476.93	4
OH_XFMR	PLANNED OUTAGE	11/28/2016 3:19:57 PM	631.80	6
OH_XFMR	PLANNED OUTAGE	11/28/2016 4:31:05 PM	581.07	8
OH_XFMR	PLANNED OUTAGE	11/29/2016 7:45:16 AM	2,822.60	6
OH Other	PLANNED OUTAGE	11/29/2016 8:25:58 AM	212.57	1
OH_XFMR	PLANNED OUTAGE	11/29/2016 8:28:14 AM	1,074.00	6
OH_XFMR	PLANNED OUTAGE	11/29/2016 8:32:11 AM	1,662.33	4
OH_XFMR	PLANNED OUTAGE	11/29/2016 8:32:18 AM	415.62	1
OH_XFMR	PLANNED OUTAGE	11/29/2016 8:44:42 AM	754.07	2
OH_XFMR	PLANNED OUTAGE	11/29/2016 8:49:28 AM	176.73	1
OH_XFMR	PLANNED OUTAGE	11/29/2016 9:35:54 AM	2,712.05	11
OH_XFMR	PLANNED OUTAGE	11/29/2016 9:40:30 AM	382.00	6
OH_XFMR	PLANNED OUTAGE	11/29/2016 9:41:48 AM	249.93	4
OH_XFMR	PLANNED OUTAGE	11/29/2016 10:11:36 AM	659.30	2
OH_XFMR	PLANNED OUTAGE	11/29/2016 10:11:45 AM	329.70	1
ELBOW	PLANNED OUTAGE	11/29/2016 10:13:46 AM	704.17	10
UG_XFMR	PLANNED OUTAGE	11/29/2016 10:13:46 AM	70.42	1
ELBOW	PLANNED OUTAGE	11/29/2016 10:13:46 AM	633.75	9
ELBOW	PLANNED OUTAGE	11/29/2016 10:13:46 AM	633.75	9
OH_XFMR	PLANNED OUTAGE	11/29/2016 10:22:46 AM	322.50	5
OH_XFMR	PLANNED OUTAGE	11/29/2016 10:38:39 AM	146.95	3
OH_XFMR	PLANNED OUTAGE	11/29/2016 10:58:34 AM	968.00	10
OH_XFMR	PLANNED OUTAGE	11/29/2016 10:59:54 AM	2,972.17	10
OH_XFMR	PLANNED OUTAGE	11/29/2016 12:33:08 PM	610.05	3
OH_XFMR	PLANNED OUTAGE	11/29/2016 1:40:52 PM	353.62	7

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OH_XFMR	PLANNED OUTAGE	11/29/2016 2:10:38 PM	613.20	6
Service - Non Crew	PLANNED OUTAGE	11/29/2016 2:14:14 PM	89.08	1
OH_XFMR	PLANNED OUTAGE	11/30/2016 6:57:26 AM	211.60	2
OH_XFMR	PLANNED OUTAGE	11/30/2016 7:21:56 AM	2,472.60	4
OH_XFMR	PLANNED OUTAGE	11/30/2016 8:53:42 AM	362.65	1
OH_XFMR	PLANNED OUTAGE	11/30/2016 9:46:54 AM	4,256.70	9
OH_XFMR	PLANNED OUTAGE	11/30/2016 9:55:54 AM	797.55	3
OH_XFMR	PLANNED OUTAGE	11/30/2016 11:18:24 AM	607.10	2
POLE	PLANNED OUTAGE	11/30/2016 11:35:43 AM	956.27	4
OH_XFMR	PLANNED OUTAGE	11/30/2016 11:35:43 AM	956.27	4
OH_XFMR	PLANNED OUTAGE	11/30/2016 11:49:10 AM	774.97	2
OH_XFMR	PLANNED OUTAGE	11/30/2016 12:18:02 PM	213.08	5
OH_XFMR	PLANNED OUTAGE	11/30/2016 12:18:57 PM	1,429.47	4
OH_XFMR	PLANNED OUTAGE	11/30/2016 12:45:16 PM	361.55	7
OH_XFMR	PLANNED OUTAGE	11/30/2016 12:47:02 PM	869.00	11
OH_XFMR	PLANNED OUTAGE	11/30/2016 12:51:49 PM	214.35	3
OH_XFMR	PLANNED OUTAGE	11/30/2016 2:04:47 PM	502.53	2
OH_XFMR	PLANNED OUTAGE	11/30/2016 2:04:47 PM	251.27	1
OH_XFMR	PLANNED OUTAGE	12/1/2016 8:14:17 AM	1,649.50	5
OH_XFMR	PLANNED OUTAGE	12/1/2016 8:22:32 AM	450.20	2
OH_XFMR	PLANNED OUTAGE	12/1/2016 8:27:42 AM	992.67	4
OH_XFMR	PLANNED OUTAGE	12/1/2016 8:38:34 AM	429.85	1
OH_XFMR	PLANNED OUTAGE	12/1/2016 9:11:35 AM	1,187.70	6
OH_XFMR	PLANNED OUTAGE	12/1/2016 9:19:54 AM	1,484.45	3
OH_XFMR	PLANNED OUTAGE	12/1/2016 9:27:02 AM	206.98	1
OH_XFMR	PLANNED OUTAGE	12/1/2016 9:45:19 AM	470.92	1
OH_XFMR	PLANNED OUTAGE	12/1/2016 9:45:34 AM	470.78	1
OH_XFMR	PLANNED OUTAGE	12/1/2016 9:45:44 AM	470.78	1
OH_XFMR	PLANNED OUTAGE	12/1/2016 11:31:48 AM	211.27	2
OH_XFMR	PLANNED OUTAGE	12/1/2016 12:37:38 PM	598.17	2
OH_XFMR	PLANNED OUTAGE	12/1/2016 12:54:59 PM	208.05	1
OH_XFMR	PLANNED OUTAGE	12/1/2016 3:59:46 PM	134.50	6
OH_XFMR	PLANNED OUTAGE	12/2/2016 8:39:07 AM	2,765.95	11
OH_XFMR	PLANNED OUTAGE	12/2/2016 8:40:11 AM	7,286.83	10
OH_XFMR	PLANNED OUTAGE	12/2/2016 9:01:27 AM	2,830.60	4
OH_XFMR	PLANNED OUTAGE	12/2/2016 9:14:20 AM	2,634.17	10
OH_XFMR	PLANNED OUTAGE	12/2/2016 9:37:02 AM	2,233.05	9
OH_XFMR	PLANNED OUTAGE	12/2/2016 9:37:25 AM	2,230.50	9
OH_XFMR	PLANNED OUTAGE	12/2/2016 9:54:01 AM	2,038.00	5
OH_XFMR	PLANNED OUTAGE	12/2/2016 10:51:11 AM	186.32	7
OH_XFMR	PLANNED OUTAGE	12/2/2016 11:38:31 AM	2,675.75	7
OH_XFMR	PLANNED OUTAGE	12/2/2016 12:46:15 PM	470.90	3
OH_XFMR	PLANNED OUTAGE	12/2/2016 2:18:03 PM	287.93	2
OH_XFMR	PLANNED OUTAGE	12/2/2016 2:26:46 PM	48.08	1
OH_XFMR	PLANNED OUTAGE	12/2/2016 3:28:01 PM	195.58	5
OH_XFMR	PLANNED OUTAGE	12/3/2016 8:31:17 AM	1,506.53	4
OH_XFMR	PLANNED OUTAGE	12/3/2016 8:47:19 AM	172.20	2
OH_XFMR	PLANNED OUTAGE	12/3/2016 2:07:30 PM	128.67	5
OH_XFMR	PLANNED OUTAGE	12/4/2016 8:34:31 AM	418.67	2
OH_XFMR	PLANNED OUTAGE	12/5/2016 8:37:26 AM	2,251.33	4
OH_XFMR	PLANNED OUTAGE	12/5/2016 8:45:44 AM	1,365.80	6
OH_XFMR	PLANNED OUTAGE	12/5/2016 8:45:44 AM	1,595.42	7
OH_XFMR	PLANNED OUTAGE	12/5/2016 9:42:32 AM	1,184.53	4
OH_XFMR	PLANNED OUTAGE	12/5/2016 9:44:36 AM	280.67	1
OH_XFMR	PLANNED OUTAGE	12/5/2016 9:45:42 AM	101.73	1
OH_XFMR	PLANNED OUTAGE	12/5/2016 11:09:22 AM	815.60	4
OH Other	PLANNED OUTAGE	12/5/2016 11:42:59 AM	232.13	2
OH_XFMR	PLANNED OUTAGE	12/5/2016 11:58:58 AM	784.58	5
OH_XFMR	PLANNED OUTAGE	12/5/2016 12:00:49 PM	1,958.25	15
OH_XFMR	PLANNED OUTAGE	12/5/2016 12:45:06 PM	193.67	1
OH_XFMR	PLANNED OUTAGE	12/5/2016 12:57:58 PM	1,189.33	10

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OH_XFMR	PLANNED OUTAGE	12/5/2016 2:01:13 PM	139.27	2
OH_XFMR	PLANNED OUTAGE	12/5/2016 2:23:53 PM	324.87	4
OH_XFMR	PLANNED OUTAGE	12/5/2016 3:31:30 PM	297.90	2
OH_XFMR	PLANNED OUTAGE	12/5/2016 3:48:17 PM	154.30	3
OH_XFMR	PLANNED OUTAGE	12/5/2016 4:06:16 PM	464.80	12
OH_XFMR	PLANNED OUTAGE	12/6/2016 9:33:59 AM	1,390.67	7
OH_XFMR	PLANNED OUTAGE	12/6/2016 9:52:42 AM	6,079.33	10
OH_XFMR	PLANNED OUTAGE	12/6/2016 9:57:24 AM	312.72	1
OH_XFMR	PLANNED OUTAGE	12/6/2016 10:06:50 AM	593.63	1
ELBOW	PLANNED OUTAGE	12/6/2016 11:16:23 AM	1,090.50	2
OH_XFMR	PLANNED OUTAGE	12/6/2016 11:19:40 AM	131.03	1
OH_XFMR	PLANNED OUTAGE	12/6/2016 4:00:30 PM	57.57	1
OH_XFMR	PLANNED OUTAGE	12/7/2016 8:14:07 AM	2,306.58	5
OH_XFMR	PLANNED OUTAGE	12/7/2016 8:30:07 AM	2,157.52	7
OH_XFMR	PLANNED OUTAGE	12/7/2016 9:55:31 AM	2,347.20	8
OH_XFMR	PLANNED OUTAGE	12/7/2016 10:02:34 AM	470.92	1
OH_XFMR	PLANNED OUTAGE	12/7/2016 10:08:34 AM	1,237.20	4
Circuit Out	PLANNED OUTAGE	12/7/2016 10:39:39 AM	7,512.27	2,561
OH_XFMR	PLANNED OUTAGE	12/7/2016 11:55:27 AM	1,266.90	6
OH_XFMR	PLANNED OUTAGE	12/7/2016 12:03:43 PM	1,362.55	7
OH_XFMR	PLANNED OUTAGE	12/7/2016 12:21:54 PM	2,327.73	7
OH_XFMR	PLANNED OUTAGE	12/7/2016 1:23:11 PM	554.00	2
OH_XFMR	PLANNED OUTAGE	12/7/2016 1:23:21 PM	553.07	2
OH_XFMR	PLANNED OUTAGE	12/7/2016 2:01:10 PM	175.70	7
OH_XFMR	PLANNED OUTAGE	12/7/2016 2:09:44 PM	849.75	9
OH_XFMR	PLANNED OUTAGE	12/8/2016 8:16:06 AM	459.78	7
OH_XFMR	PLANNED OUTAGE	12/8/2016 8:34:15 AM	573.57	1
OH_XFMR	PLANNED OUTAGE	12/8/2016 9:43:34 AM	1,448.50	6
OH_XFMR	PLANNED OUTAGE	12/8/2016 9:48:10 AM	255.87	2
OH_XFMR	PLANNED OUTAGE	12/8/2016 9:58:13 AM	486.93	1
OH_XFMR	PLANNED OUTAGE	12/8/2016 11:40:11 AM	385.13	1
OH_XFMR	PLANNED OUTAGE	12/8/2016 11:41:11 AM	633.80	6
OH_XFMR	PLANNED OUTAGE	12/8/2016 12:13:32 PM	723.93	4
OH_XFMR	PLANNED OUTAGE	12/8/2016 12:26:59 PM	339.35	1
OH_XFMR	PLANNED OUTAGE	12/8/2016 1:40:48 PM	265.90	1
OH_XFMR	PLANNED OUTAGE	12/9/2016 8:57:37 AM	1,107.70	6
OH_XFMR	PLANNED OUTAGE	12/9/2016 9:17:30 AM	170.38	1
OH_XFMR	PLANNED OUTAGE	12/9/2016 9:27:49 AM	2,912.33	10
OH_XFMR	PLANNED OUTAGE	12/9/2016 9:55:41 AM	1,247.60	8
OH_XFMR	PLANNED OUTAGE	12/9/2016 10:15:05 AM	784.98	1
OH_XFMR	PLANNED OUTAGE	12/9/2016 10:35:55 AM	405.25	3
OH Other	PLANNED OUTAGE	12/9/2016 10:46:06 AM	54.48	1
OH_XFMR	PLANNED OUTAGE	12/9/2016 11:31:48 AM	199.93	4
UG_XFMR	PLANNED OUTAGE	12/9/2016 12:30:26 PM	125.78	1
OH_XFMR	PLANNED OUTAGE	12/10/2016 9:36:45 AM	1,411.70	6
OH_XFMR	PLANNED OUTAGE	12/10/2016 10:11:18 AM	700.77	2
UG_XFMR	PLANNED OUTAGE	12/11/2016 6:22:52 PM	66.15	1
ELBOW	PLANNED OUTAGE	12/11/2016 6:22:52 PM	7,342.65	111
OH_XFMR	PLANNED OUTAGE	12/12/2016 8:41:51 AM	2,386.17	5
UG_XFMR	PLANNED OUTAGE	12/12/2016 9:02:40 AM	186.90	1
OH_XFMR	PLANNED OUTAGE	12/12/2016 9:12:50 AM	499.83	2
OH_XFMR	PLANNED OUTAGE	12/12/2016 9:26:07 AM	1,732.80	4
OH_XFMR	PLANNED OUTAGE	12/12/2016 9:27:25 AM	753.23	2
ELBOW	PLANNED OUTAGE	12/12/2016 9:33:38 AM	90.30	2
OH_XFMR	PLANNED OUTAGE	12/12/2016 10:44:02 AM	1,494.80	6
OH_XFMR	PLANNED OUTAGE	12/12/2016 10:52:27 AM	936.53	4
OH_XFMR	PLANNED OUTAGE	12/12/2016 10:53:54 AM	233.90	1
OH_XFMR	PLANNED OUTAGE	12/12/2016 11:13:22 AM	733.10	3
OH_XFMR	PLANNED OUTAGE	12/12/2016 12:22:08 PM	514.70	6
UG_XFMR	PLANNED OUTAGE	12/12/2016 12:31:16 PM	68.95	1
OH_XFMR	PLANNED OUTAGE	12/12/2016 1:23:02 PM	577.42	5

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OH_XFMR	PLANNED OUTAGE	12/12/2016 1:42:54 PM	751.95	9
OH_XFMR	PLANNED OUTAGE	12/12/2016 1:43:39 PM	3,623.67	10
OH_XFMR	PLANNED OUTAGE	12/12/2016 1:46:45 PM	400.87	4
OH_XFMR	PLANNED OUTAGE	12/12/2016 2:24:56 PM	963.65	3
OH_XFMR	PLANNED OUTAGE	12/12/2016 3:16:50 PM	442.40	7
UG_XFMR	PLANNED OUTAGE	12/12/2016 4:11:20 PM	163.15	1
Service - Non Crew	PLANNED OUTAGE	12/13/2016 7:38:42 AM	78.88	1
OH_XFMR	PLANNED OUTAGE	12/13/2016 8:54:34 AM	602.40	2
OH_XFMR	PLANNED OUTAGE	12/13/2016 9:25:36 AM	9,311.05	21
OH_XFMR	PLANNED OUTAGE	12/13/2016 9:27:50 AM	3,494.33	4
OH_XFMR	PLANNED OUTAGE	12/13/2016 9:39:29 AM	4,018.48	11
OH_XFMR	PLANNED OUTAGE	12/13/2016 10:11:28 AM	1,326.67	4
ELBOW	PLANNED OUTAGE	12/13/2016 10:14:57 AM	5,206.40	64
OH_XFMR	PLANNED OUTAGE	12/13/2016 10:27:08 AM	168.25	1
ELBOW	PLANNED OUTAGE	12/13/2016 10:47:10 AM	1.57	47
OH_XFMR	PLANNED OUTAGE	12/13/2016 12:00:23 PM	636.33	5
OH_XFMR	PLANNED OUTAGE	12/13/2016 12:30:07 PM	483.50	5
ELBOW	PLANNED OUTAGE	12/13/2016 12:43:04 PM	1,565.87	64
OH_XFMR	PLANNED OUTAGE	12/13/2016 1:05:10 PM	448.50	2
ELBOW	PLANNED OUTAGE	12/13/2016 1:16:25 PM	505.27	11
OH_XFMR	PLANNED OUTAGE	12/13/2016 4:31:39 PM	3,148.95	7
OH_XFMR	PLANNED OUTAGE	12/14/2016 8:15:57 AM	211.90	6
OH_XFMR	PLANNED OUTAGE	12/14/2016 8:26:21 AM	491.48	1
OH_XFMR	PLANNED OUTAGE	12/14/2016 8:48:08 AM	3,388.67	10
OH_XFMR	PLANNED OUTAGE	12/14/2016 8:50:09 AM	66.92	1
OH_XFMR	PLANNED OUTAGE	12/14/2016 9:30:00 AM	1,517.33	5
OH_XFMR	PLANNED OUTAGE	12/14/2016 10:12:36 AM	771.03	2
OH_XFMR	PLANNED OUTAGE	12/14/2016 10:22:57 AM	1,151.97	7
OH_XFMR	PLANNED OUTAGE	12/14/2016 11:12:35 AM	1,025.75	5
OH_XFMR	PLANNED OUTAGE	12/14/2016 11:22:06 AM	858.50	5
OH_XFMR	PLANNED OUTAGE	12/14/2016 11:42:06 AM	1,344.35	7
OH_XFMR	PLANNED OUTAGE	12/14/2016 11:42:40 AM	265.10	3
OH_XFMR	PLANNED OUTAGE	12/14/2016 12:06:34 PM	354.55	3
OH_XFMR	PLANNED OUTAGE	12/14/2016 12:15:32 PM	3,554.70	17
OH_XFMR	PLANNED OUTAGE	12/14/2016 12:18:23 PM	849.53	4
OH_XFMR	PLANNED OUTAGE	12/14/2016 1:44:58 PM	5,295.50	21
OH_XFMR	PLANNED OUTAGE	12/14/2016 1:49:24 PM	683.83	11
OH_XFMR	PLANNED OUTAGE	12/15/2016 8:23:58 AM	1,642.40	4
OH_XFMR	PLANNED OUTAGE	12/15/2016 8:38:26 AM	708.73	2
OH_XFMR	PLANNED OUTAGE	12/15/2016 8:57:42 AM	625.90	3
OH_XFMR	PLANNED OUTAGE	12/15/2016 9:45:58 AM	1,252.33	5
OH_XFMR	PLANNED OUTAGE	12/15/2016 9:49:28 AM	4,089.07	8
UG_XFMR	PLANNED OUTAGE	12/15/2016 9:52:42 AM	333.67	4
OH_XFMR	PLANNED OUTAGE	12/15/2016 10:04:57 AM	1,059.50	10
OH_XFMR	PLANNED OUTAGE	12/15/2016 10:20:58 AM	1,370.25	5
OH_XFMR	PLANNED OUTAGE	12/15/2016 10:25:02 AM	826.45	3
OH_XFMR	PLANNED OUTAGE	12/15/2016 10:32:56 AM	303.83	1
UG_XFMR	PLANNED OUTAGE	12/15/2016 10:57:30 AM	227.07	8
OH_XFMR	PLANNED OUTAGE	12/15/2016 11:01:30 AM	152.00	1
OH_XFMR	PLANNED OUTAGE	12/15/2016 11:26:00 AM	1,104.92	5
OH_XFMR	PLANNED OUTAGE	12/15/2016 12:32:34 PM	487.85	3
OH_XFMR	PLANNED OUTAGE	12/16/2016 8:34:09 AM	554.75	3
OH_XFMR	PLANNED OUTAGE	12/16/2016 8:56:13 AM	2,305.25	5
OH_XFMR	PLANNED OUTAGE	12/16/2016 9:22:29 AM	514.02	1
OH_XFMR	PLANNED OUTAGE	12/16/2016 10:34:52 AM	1,589.70	6
ELBOW	PLANNED OUTAGE	12/16/2016 11:44:51 AM	484.80	9
OH_XFMR	PLANNED OUTAGE	12/16/2016 12:31:19 PM	920.75	5
OH_XFMR	PLANNED OUTAGE	12/16/2016 1:12:45 PM	3,674.27	17
OH_XFMR	PLANNED OUTAGE	12/16/2016 4:35:54 PM	531.70	2
OH_XFMR	PLANNED OUTAGE	12/17/2016 8:36:59 AM	978.17	5
OH_XFMR	PLANNED OUTAGE	12/17/2016 9:39:16 AM	1,801.50	6

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OH_XFMR	PLANNED OUTAGE	12/17/2016 10:50:29 AM	1,570.60	6
OH_XFMR	PLANNED OUTAGE	12/17/2016 11:43:08 AM	812.33	10
Pole	PLANNED OUTAGE	12/17/2016 6:39:17 PM	20,154.82	43
Circuit Out	PLANNED OUTAGE	12/17/2016 7:09:18 PM	33,897.43	1,459
UG_XFMR	PLANNED OUTAGE	12/19/2016 8:41:20 AM	557.53	1
OH_XFMR	PLANNED OUTAGE	12/19/2016 9:04:27 AM	461.63	2
UG_XFMR	PLANNED OUTAGE	12/19/2016 9:49:56 AM	25,921.42	53
OH_XFMR	PLANNED OUTAGE	12/19/2016 9:53:22 AM	234.20	1
OH_XFMR	PLANNED OUTAGE	12/19/2016 9:54:22 AM	6,788.37	14
OH_XFMR	PLANNED OUTAGE	12/19/2016 10:16:28 AM	936.15	3
OH_XFMR	PLANNED OUTAGE	12/19/2016 10:29:03 AM	272.83	2
OH_XFMR	PLANNED OUTAGE	12/19/2016 10:52:01 AM	1,169.85	11
OH_XFMR	PLANNED OUTAGE	12/19/2016 11:39:19 AM	1,334.27	4
OH_XFMR	PLANNED OUTAGE	12/19/2016 12:12:20 PM	2,022.40	8
OH_XFMR	PLANNED OUTAGE	12/19/2016 1:48:03 PM	503.33	2
PRIMARY_FUSE	PLANNED OUTAGE	12/20/2016 1:09:36 AM	3,085.55	47
Step Restoration	PLANNED OUTAGE	12/20/2016 6:19:11 AM	11,305.00	12
UG_XFMR	PLANNED OUTAGE	12/20/2016 6:19:11 AM	100.25	1
ELBOW	PLANNED OUTAGE	12/20/2016 6:19:11 AM	1,203.00	12
UG_XFMR	PLANNED OUTAGE	12/20/2016 6:19:11 AM	1,604.00	16
OH_XFMR	PLANNED OUTAGE	12/20/2016 8:38:41 AM	572.00	1
ELBOW	PLANNED OUTAGE	12/20/2016 8:57:55 AM	1,317.20	12
OH_XFMR	PLANNED OUTAGE	12/20/2016 9:42:18 AM	350.07	1
OH_XFMR	PLANNED OUTAGE	12/20/2016 9:43:33 AM	3,551.33	7
OH_XFMR	PLANNED OUTAGE	12/20/2016 9:47:09 AM	1,983.70	3
OH_XFMR	PLANNED OUTAGE	12/20/2016 10:00:46 AM	649.27	4
ELBOW	PLANNED OUTAGE	12/20/2016 10:01:00 AM	0.00	12
OH_XFMR	PLANNED OUTAGE	12/20/2016 10:50:39 AM	486.20	2
OH_XFMR	PLANNED OUTAGE	12/20/2016 11:09:42 AM	953.60	3
OH_XFMR	PLANNED OUTAGE	12/20/2016 11:42:18 AM	1,188.30	9
OH_XFMR	PLANNED OUTAGE	12/20/2016 12:13:40 PM	44.80	1
OH_XFMR	PLANNED OUTAGE	12/20/2016 12:29:49 PM	66.88	1
OH_XFMR	PLANNED OUTAGE	12/20/2016 1:21:45 PM	219.62	1
OH_XFMR	PLANNED OUTAGE	12/20/2016 1:48:54 PM	625.00	3
ELBOW	PLANNED OUTAGE	12/20/2016 6:57:03 PM	2,210.60	12
UG_XFMR	PLANNED OUTAGE	12/21/2016 8:27:44 AM	65.70	1
OH_XFMR	PLANNED OUTAGE	12/21/2016 8:40:46 AM	358.57	1
OH_XFMR	PLANNED OUTAGE	12/21/2016 8:55:15 AM	415.45	1
OH_XFMR	PLANNED OUTAGE	12/21/2016 8:57:06 AM	5,881.88	11
OH_XFMR	PLANNED OUTAGE	12/21/2016 9:05:41 AM	624.10	3
OH_XFMR	PLANNED OUTAGE	12/21/2016 10:17:38 AM	706.95	3
OH_XFMR	PLANNED OUTAGE	12/21/2016 11:09:56 AM	711.47	8
OH_XFMR	PLANNED OUTAGE	12/21/2016 11:17:55 AM	2,435.47	16
OH_XFMR	PLANNED OUTAGE	12/21/2016 12:34:37 PM	660.22	7
OH_XFMR	PLANNED OUTAGE	12/21/2016 12:35:50 PM	462.13	4
OH_XFMR	PLANNED OUTAGE	12/21/2016 12:52:53 PM	1,065.33	8
OH_XFMR	PLANNED OUTAGE	12/21/2016 1:35:09 PM	1,282.17	5
OH_XFMR	PLANNED OUTAGE	12/21/2016 2:06:40 PM	802.32	13
OH_XFMR	PLANNED OUTAGE	12/22/2016 8:26:00 AM	1,506.07	2
OH_XFMR	PLANNED OUTAGE	12/22/2016 9:06:49 AM	1,173.33	5
OH_XFMR	PLANNED OUTAGE	12/22/2016 9:10:52 AM	173.58	1
OH_XFMR	PLANNED OUTAGE	12/22/2016 9:35:08 AM	2,326.10	7
OH_XFMR	PLANNED OUTAGE	12/22/2016 9:54:40 AM	3,055.07	11
OH_XFMR	PLANNED OUTAGE	12/22/2016 9:58:15 AM	519.55	3
ELBOW	PLANNED OUTAGE	12/22/2016 11:36:04 AM	662.40	27
OH_XFMR	PLANNED OUTAGE	12/22/2016 11:56:36 AM	1,174.10	6
OH_XFMR	PLANNED OUTAGE	12/23/2016 9:25:48 AM	814.05	9
UG_XFMR	PLANNED OUTAGE	12/23/2016 11:33:03 PM	403.33	10
UG_XFMR	PLANNED OUTAGE	12/24/2016 10:47:15 PM	1,189.50	10
OH_XFMR	PLANNED OUTAGE	12/26/2016 3:40:01 PM	877.05	9
UG_XFMR	PLANNED OUTAGE	12/27/2016 8:15:48 AM	382.27	1

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OH_XFMR	PLANNED OUTAGE	12/27/2016 8:59:46 AM	804.77	2
OH_XFMR	PLANNED OUTAGE	12/27/2016 10:46:29 AM	649.07	4
OH_XFMR	PLANNED OUTAGE	12/27/2016 10:47:12 AM	1,118.20	6
OH_XFMR	PLANNED OUTAGE	12/27/2016 11:37:58 AM	555.00	6
OH_XFMR	PLANNED OUTAGE	12/27/2016 11:56:47 AM	2,736.42	7
OH Other	PLANNED OUTAGE	12/27/2016 3:29:46 PM	59.87	1
OH_XFMR	PLANNED OUTAGE	12/27/2016 3:33:49 PM	72.30	9
UG_XFMR	PLANNED OUTAGE	12/27/2016 4:03:19 PM	431.25	3
UG_XFMR	PLANNED OUTAGE	12/28/2016 8:18:36 AM	1,103.00	30
OH_XFMR	PLANNED OUTAGE	12/28/2016 9:02:19 AM	742.45	3
OH_XFMR	PLANNED OUTAGE	12/28/2016 9:16:29 AM	3,595.37	13
OH_XFMR	PLANNED OUTAGE	12/28/2016 9:24:57 AM	1,064.13	8
OH_XFMR	PLANNED OUTAGE	12/28/2016 9:30:14 AM	3,718.93	8
OH_XFMR	PLANNED OUTAGE	12/28/2016 9:30:21 AM	2,788.90	6
ELBOW	PLANNED OUTAGE	12/28/2016 9:32:59 AM	133.98	1
ELBOW	PLANNED OUTAGE	12/28/2016 9:32:59 AM	267.97	2
OH_XFMR	PLANNED OUTAGE	12/28/2016 9:45:55 AM	898.63	2
OH_XFMR	PLANNED OUTAGE	12/28/2016 9:56:30 AM	583.48	13
OH_XFMR	PLANNED OUTAGE	12/28/2016 10:23:49 AM	1,054.80	6
ELBOW	PLANNED OUTAGE	12/28/2016 10:48:23 AM	115.43	1
UG_XFMR	PLANNED OUTAGE	12/28/2016 11:08:11 AM	204.00	8
OH_XFMR	PLANNED OUTAGE	12/28/2016 11:56:52 AM	773.47	4
OH_XFMR	PLANNED OUTAGE	12/28/2016 1:41:39 PM	1,567.80	4
OH_XFMR	PLANNED OUTAGE	12/28/2016 2:39:21 PM	1,335.67	4
OH_XFMR	PLANNED OUTAGE	12/29/2016 8:46:37 AM	1,683.33	10
OH_XFMR	PLANNED OUTAGE	12/29/2016 9:08:21 AM	6,674.60	12
UG_XFMR	PLANNED OUTAGE	12/29/2016 9:18:18 AM	297.02	1
OH_XFMR	PLANNED OUTAGE	12/29/2016 9:26:29 AM	1,792.20	9
PRIMARY_FUSE	PLANNED OUTAGE	12/29/2016 9:35:43 AM	3,120.75	15
OH_XFMR	PLANNED OUTAGE	12/29/2016 9:37:00 AM	1,672.30	6
OH_XFMR	PLANNED OUTAGE	12/29/2016 9:37:13 AM	1,393.08	5
OH_XFMR	PLANNED OUTAGE	12/29/2016 9:37:31 AM	278.42	1
OH_XFMR	PLANNED OUTAGE	12/29/2016 10:03:34 AM	2,223.20	7
ELBOW	PLANNED OUTAGE	12/29/2016 10:54:19 AM	384.93	8
OH_XFMR	PLANNED OUTAGE	12/29/2016 11:16:35 AM	1,540.00	5
OH_XFMR	PLANNED OUTAGE	12/29/2016 11:16:35 AM	1,232.00	4
OH_XFMR	PLANNED OUTAGE	12/29/2016 11:16:35 AM	3,080.00	10
OH_XFMR	PLANNED OUTAGE	12/29/2016 11:16:35 AM	616.00	2
OH_XFMR	PLANNED OUTAGE	12/29/2016 11:16:49 AM	1,711.87	4
OH_XFMR	PLANNED OUTAGE	12/29/2016 11:41:19 AM	107.53	1
OH_XFMR	PLANNED OUTAGE	12/29/2016 1:15:40 PM	339.85	7
OH_XFMR	PLANNED OUTAGE	12/29/2016 1:19:19 PM	268.20	6
ELBOW	PLANNED OUTAGE	12/29/2016 1:46:01 PM	2.10	21
ELBOW	PLANNED OUTAGE	12/29/2016 1:46:10 PM	637.20	8
OH_XFMR	PLANNED OUTAGE	12/29/2016 2:01:06 PM	215.72	7
OH_XFMR	PLANNED OUTAGE	12/29/2016 2:23:11 PM	45.48	1
OH_XFMR	PLANNED OUTAGE	12/29/2016 6:16:29 PM	334.05	9
OH_XFMR	PLANNED OUTAGE	12/30/2016 7:58:20 AM	2,177.73	8
OH_XFMR	PLANNED OUTAGE	12/30/2016 7:58:28 AM	1,360.83	5
OH_XFMR	PLANNED OUTAGE	12/30/2016 8:15:24 AM	168.17	1
OH_XFMR	PLANNED OUTAGE	12/30/2016 8:30:57 AM	1,214.30	6
OH_XFMR	PLANNED OUTAGE	12/30/2016 9:07:43 AM	106.70	3
OH_XFMR	PLANNED OUTAGE	12/30/2016 9:11:06 AM	1,690.00	4
ELBOW	PLANNED OUTAGE	12/30/2016 10:06:08 AM	10,212.58	55
OH_XFMR	PLANNED OUTAGE	12/30/2016 11:15:55 AM	144.07	1
OH_XFMR	PLANNED OUTAGE	12/30/2016 11:16:00 AM	288.17	2
OH_XFMR	PLANNED OUTAGE	12/30/2016 3:32:58 PM	2,094.68	17

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2016 Adjustments: Other Distribution Outage Events

Outage Events	Reason for Exclusion	Outage Date	CMI Excluded	CI Excluded
Substation	FPSC Commission Rule 25-6.0455	1/8/2016 9:05	1405.33	992
Substation	FPSC Commission Rule 25-6.0455	1/9/2016 8:51	27200.00	768
Substation	FPSC Commission Rule 25-6.0455	1/9/2016 8:51	20567.40	581
Substation	FPSC Commission Rule 25-6.0455	1/10/2016 4:09	3712.80	234
Substation	FPSC Commission Rule 25-6.0455	1/17/2016 11:32	29292.75	831
Substation	FPSC Commission Rule 25-6.0455	1/22/2016 8:09	62456.73	1286
Substation	FPSC Commission Rule 25-6.0455	1/27/2016 20:12	60989.48	1127
Circuit Out	FPSC Commission Rule 25-6.0455	2/10/2016 14:14	133619.10	2126
Substation	FPSC Commission Rule 25-6.0455	3/12/2016 18:50	39491.00	1010
Substation	FPSC Commission Rule 25-6.0455	3/24/2016 18:41	11133.33	2000
Substation	FPSC Commission Rule 25-6.0455	3/25/2016 0:24	498947.87	2264
Substation	FPSC Commission Rule 25-6.0455	3/25/2016 0:24	121830.25	717
Substation	FPSC Commission Rule 25-6.0455	3/25/2016 0:24	129003.33	676
Substation	FPSC Commission Rule 25-6.0455	3/25/2016 0:24	121433.12	779
Substation	FPSC Commission Rule 25-6.0455	3/29/2016 5:19	67377.80	1043
Step Restoration	FPSC Commission Rule 25-6.0455	3/29/2016 5:19	63261.30	866
Substation	FPSC Commission Rule 25-6.0455	4/2/2016 9:24	42920.53	992
Step Restoration	FPSC Commission Rule 25-6.0455	4/2/2016 9:24	62578.40	1311
Substation	FPSC Commission Rule 25-6.0455	4/2/2016 9:25	46473.75	765
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	3413.67	2090
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	225.40	138
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	1456.93	892
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	2802.80	1716
Substation	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	1948.57	1193
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	1277.27	782
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	2234.40	1368
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	1755.83	1075
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	1251.13	766
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	2414.07	1478
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	4594.57	2813
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	1915.90	1173
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	4718.70	2889
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	850.97	521
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	4829.77	2957
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	1079.63	661
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	1105.77	677
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	3416.93	2092
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	5079.67	3110
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	2484.30	1521
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	1216.83	745
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	1066.57	653
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	2477.77	1517
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	1651.30	1011
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	955.50	585
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	1461.83	895
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	1046.97	641
Step Restoration	FPSC Commission Rule 25-6.0455	4/5/2016 8:16	470.40	288
Step Restoration	FPSC Commission Rule 25-6.0455	4/12/2016 8:11	68733.20	964
Step Restoration	FPSC Commission Rule 25-6.0455	4/12/2016 8:11	71.30	1
Substation	FPSC Commission Rule 25-6.0455	4/12/2016 8:11	71.30	1
Substation	FPSC Commission Rule 25-6.0455	4/14/2016 14:51	23902.20	588
Substation	FPSC Commission Rule 25-6.0455	4/14/2016 14:51	80839.80	1852
Substation	FPSC Commission Rule 25-6.0455	4/14/2016 14:51	79835.20	1968
Substation	FPSC Commission Rule 25-6.0455	4/14/2016 14:54	132159.52	1079
Substation	FPSC Commission Rule 25-6.0455	4/14/2016 14:57	49567.00	970
Substation	FPSC Commission Rule 25-6.0455	4/14/2016 14:58	42941.47	727

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Substation	FPSC Commission Rule 25-6.0455	4/14/2016 15:02	76336.27	1172
Substation	FPSC Commission Rule 25-6.0455	4/22/2016 9:05	42371.82	1687
Substation	FPSC Commission Rule 25-6.0455	4/22/2016 9:06	30498.00	765
Substation	FPSC Commission Rule 25-6.0455	4/22/2016 9:06	46492.00	1416
Substation	FPSC Commission Rule 25-6.0455	4/25/2016 15:58	101911.10	706
Substation	FPSC Commission Rule 25-6.0455	4/25/2016 15:58	154820.25	1005
Substation	FPSC Commission Rule 25-6.0455	4/25/2016 15:59	51906.40	434
Substation	FPSC Commission Rule 25-6.0455	5/6/2016 12:29	122444.75	1941
Substation	FPSC Commission Rule 25-6.0455	5/6/2016 12:31	29472.85	451
Substation	FPSC Commission Rule 25-6.0455	5/6/2016 12:31	47365.13	982
Substation	FPSC Commission Rule 25-6.0455	5/6/2016 12:32	4259.07	136
Substation	FPSC Commission Rule 25-6.0455	5/11/2016 8:00	77874.03	1558
Step Restoration	FPSC Commission Rule 25-6.0455	5/11/2016 8:00	49.98	1
Substation	FPSC Commission Rule 25-6.0455	5/12/2016 9:23	20990.67	560
Substation	FPSC Commission Rule 25-6.0455	5/12/2016 9:25	74960.82	3601
Substation	FPSC Commission Rule 25-6.0455	5/12/2016 9:27	25016.00	795
Substation	FPSC Commission Rule 25-6.0455	5/16/2016 18:26	16474.70	187
Substation	FPSC Commission Rule 25-6.0455	5/16/2016 18:26	27131.30	343
Substation	FPSC Commission Rule 25-6.0455	5/16/2016 18:26	89655.30	963
Substation	FPSC Commission Rule 25-6.0455	5/16/2016 18:26	32255.30	413
Substation	FPSC Commission Rule 25-6.0455	5/20/2016 23:03	104123.20	1888
Substation	FPSC Commission Rule 25-6.0455	5/20/2016 23:03	42507.95	1033
Substation	FPSC Commission Rule 25-6.0455	5/20/2016 23:03	50613.15	1121
Substation	FPSC Commission Rule 25-6.0455	5/20/2016 23:03	121517.55	1837
Substation	FPSC Commission Rule 25-6.0455	5/24/2016 6:43	2287.43	842
Substation	FPSC Commission Rule 25-6.0455	5/24/2016 6:43	1365.10	438
Substation	FPSC Commission Rule 25-6.0455	5/24/2016 6:43	1077.27	452
Substation	FPSC Commission Rule 25-6.0455	5/24/2016 6:43	66.18	19
Substation	FPSC Commission Rule 25-6.0455	5/29/2016 14:18	19212.45	1047
Substation	FPSC Commission Rule 25-6.0455	5/29/2016 14:18	35610.50	670
Step Restoration	FPSC Commission Rule 25-6.0455	5/30/2016 20:58	18078.67	280
Step Restoration	FPSC Commission Rule 25-6.0455	5/30/2016 20:58	10435.85	111
Step Restoration	FPSC Commission Rule 25-6.0455	5/30/2016 20:58	57731.10	518
Step Restoration	FPSC Commission Rule 25-6.0455	5/30/2016 20:58	254.37	2
Substation	FPSC Commission Rule 25-6.0455	5/30/2016 20:58	278.30	2
Substation	FPSC Commission Rule 25-6.0455	5/31/2016 20:50	201021.30	1671
Substation	FPSC Commission Rule 25-6.0455	5/31/2016 20:50	11197.33	130
Substation	FPSC Commission Rule 25-6.0455	5/31/2016 20:51	33523.97	541
Substation	FPSC Commission Rule 25-6.0455	6/1/2016 7:19	13486.30	5154
Substation	FPSC Commission Rule 25-6.0455	6/1/2016 7:19	10893.18	4163
Substation	FPSC Commission Rule 25-6.0455	6/3/2016 17:17	185395.20	2272
Substation	FPSC Commission Rule 25-6.0455	6/3/2016 17:17	55154.53	668
Substation	FPSC Commission Rule 25-6.0455	6/3/2016 17:18	138965.45	1317
Substation	FPSC Commission Rule 25-6.0455	6/3/2016 17:18	78713.25	1155
Substation	FPSC Commission Rule 25-6.0455	6/12/2016 9:16	212993.83	2818
Substation	FPSC Commission Rule 25-6.0455	6/21/2016 18:31	2274.75	1011
Substation	FPSC Commission Rule 25-6.0455	6/26/2016 11:12	688.82	37
Substation	FPSC Commission Rule 25-6.0455	6/26/2016 11:12	24029.50	510
Substation	FPSC Commission Rule 25-6.0455	6/26/2016 11:12	29181.03	746
Substation	FPSC Commission Rule 25-6.0455	6/26/2016 14:22	91379.00	1380
Substation	FPSC Commission Rule 25-6.0455	7/7/2016 13:02	6269.08	977
Substation	FPSC Commission Rule 25-6.0455	7/7/2016 13:02	17202.73	2674
Substation	FPSC Commission Rule 25-6.0455	7/9/2016 15:39	158437.08	1591
Substation	FPSC Commission Rule 25-6.0455	7/9/2016 15:39	160185.50	1374
Step Restoration	FPSC Commission Rule 25-6.0455	7/9/2016 15:39	121890.17	557
Substation	FPSC Commission Rule 25-6.0455	7/11/2016 3:18	25189.12	131
Substation	FPSC Commission Rule 25-6.0455	7/11/2016 3:18	110051.20	544
Substation	FPSC Commission Rule 25-6.0455	7/11/2016 3:18	303551.60	1672
Substation	FPSC Commission Rule 25-6.0455	7/15/2016 17:10	210178.70	1546

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Substation	FPSC Commission Rule 25-6.0455	7/15/2016 17:12	2294.60	7
Substation	FPSC Commission Rule 25-6.0455	7/16/2016 15:07	458761.57	1883
Step Restoration	FPSC Commission Rule 25-6.0455	7/16/2016 16:58	52611.75	349
Step Restoration	FPSC Commission Rule 25-6.0455	7/16/2016 16:58	43777.27	323
Substation	FPSC Commission Rule 25-6.0455	7/16/2016 18:54	419.07	7
Substation	FPSC Commission Rule 25-6.0455	7/26/2016 8:35	48604.77	922
Substation	FPSC Commission Rule 25-6.0455	7/31/2016 20:12	4605.33	1760
Substation	FPSC Commission Rule 25-6.0455	7/31/2016 20:24	12879.00	729
Step Restoration	FPSC Commission Rule 25-6.0455	7/31/2016 20:24	14910.67	844
Substation	FPSC Commission Rule 25-6.0455	7/31/2016 20:24	140669.05	8139
Substation	FPSC Commission Rule 25-6.0455	7/31/2016 20:24	37052.42	2257
Substation	FPSC Commission Rule 25-6.0455	7/31/2016 20:25	273774.10	2257
Substation	FPSC Commission Rule 25-6.0455	7/31/2016 20:28	10216.48	773
Substation	FPSC Commission Rule 25-6.0455	7/31/2016 20:28	16518.72	1253
Substation	FPSC Commission Rule 25-6.0455	7/31/2016 20:28	13823.82	1073
Substation	FPSC Commission Rule 25-6.0455	7/31/2016 20:29	63726.32	1007
Substation	FPSC Commission Rule 25-6.0455	7/31/2016 20:43	35672.33	515
Substation	FPSC Commission Rule 25-6.0455	7/31/2016 20:50	48116.48	581
Substation	FPSC Commission Rule 25-6.0455	8/1/2016 0:58	4312.00	1470
Substation	FPSC Commission Rule 25-6.0455	8/1/2016 4:20	30999.58	1475
Step Restoration	FPSC Commission Rule 25-6.0455	8/4/2016 0:30	62051.10	1042
Substation	FPSC Commission Rule 25-6.0455	8/4/2016 0:30	88307.67	1220
Substation	FPSC Commission Rule 25-6.0455	8/5/2016 4:18	16183.75	535
Substation	FPSC Commission Rule 25-6.0455	8/5/2016 4:18	28992.75	899
Substation	FPSC Commission Rule 25-6.0455	8/5/2016 4:18	18100.00	400
Substation	FPSC Commission Rule 25-6.0455	8/5/2016 4:18	2590.50	66
Substation	FPSC Commission Rule 25-6.0455	8/8/2016 14:19	14577.45	1413
Substation	FPSC Commission Rule 25-6.0455	8/9/2016 13:04	2479.75	91
Step Restoration	FPSC Commission Rule 25-6.0455	8/9/2016 13:04	10170.70	303
Substation	FPSC Commission Rule 25-6.0455	8/13/2016 3:01	84897.43	1286
Substation	FPSC Commission Rule 25-6.0455	8/13/2016 3:01	167760.00	1600
Step Restoration	FPSC Commission Rule 25-6.0455	8/13/2016 3:01	76377.45	1503
Substation	FPSC Commission Rule 25-6.0455	8/23/2016 6:56	1575.83	1550
Substation	FPSC Commission Rule 25-6.0455	8/23/2016 16:13	187190.03	1222
Substation	FPSC Commission Rule 25-6.0455	8/23/2016 16:13	93417.63	1033
Substation	FPSC Commission Rule 25-6.0455	8/23/2016 16:13	369561.60	2304
Substation	FPSC Commission Rule 25-6.0455	8/25/2016 8:08	1441.00	786
Substation	FPSC Commission Rule 25-6.0455	8/27/2016 17:04	9423.33	1285
Substation	FPSC Commission Rule 25-6.0455	8/31/2016 1:28	130064.80	886
Substation	FPSC Commission Rule 25-6.0455	9/10/2016 20:06	4.52	1
Substation	FPSC Commission Rule 25-6.0455	9/14/2016 13:22	1142.75	35
Substation	FPSC Commission Rule 25-6.0455	9/16/2016 9:34	56145.38	59
Substation	FPSC Commission Rule 25-6.0455	9/16/2016 20:19	50260.00	350
Substation	FPSC Commission Rule 25-6.0455	9/16/2016 21:35	171.53	1
Substation	FPSC Commission Rule 25-6.0455	9/18/2016 8:45	88322.33	1285
Substation	FPSC Commission Rule 25-6.0455	9/18/2016 8:45	10908.90	207
Substation	FPSC Commission Rule 25-6.0455	9/18/2016 8:45	31481.25	575
Substation	FPSC Commission Rule 25-6.0455	9/18/2016 8:45	137972.87	1657
Substation	FPSC Commission Rule 25-6.0455	9/26/2016 15:46	184499.60	744
Substation	FPSC Commission Rule 25-6.0455	9/26/2016 15:52	154202.40	594
Substation	FPSC Commission Rule 25-6.0455	9/26/2016 16:25	70224.73	374
Substation	FPSC Commission Rule 25-6.0455	9/26/2016 16:25	33741.03	187
Substation	FPSC Commission Rule 25-6.0455	9/26/2016 17:29	4357.62	911
Substation	FPSC Commission Rule 25-6.0455	9/26/2016 18:20	15502.18	911
Substation	FPSC Commission Rule 25-6.0455	9/29/2016 16:01	395.83	2
Substation	FPSC Commission Rule 25-6.0455	9/29/2016 16:01	197.60	1

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Substation	FPSC Commission Rule 25-6.0455	9/29/2016 16:01	110972.03	937
Substation	FPSC Commission Rule 25-6.0455	9/29/2016 16:01	15034.68	127
Substation	FPSC Commission Rule 25-6.0455	9/29/2016 16:01	123574.80	1044
Substation	FPSC Commission Rule 25-6.0455	10/1/2016 8:47	3109.60	1014
Substation	FPSC Commission Rule 25-6.0455	10/2/2016 18:17	465.85	231
Substation	FPSC Commission Rule 25-6.0455	10/2/2016 19:12	500.33	316
Substation	FPSC Commission Rule 25-6.0455	10/4/2016 8:02	129249.27	2134
Substation	FPSC Commission Rule 25-6.0455	10/26/2016 5:20	49224.40	436
Step Restoration	FPSC Commission Rule 25-6.0455	10/26/2016 5:20	30655.50	535
Step Restoration	FPSC Commission Rule 25-6.0455	10/26/2016 5:20	3363.45	51
Substation	FPSC Commission Rule 25-6.0455	11/5/2016 14:01	48861.20	1081
Substation	FPSC Commission Rule 25-6.0455	11/9/2016 10:45	27164.75	965
Substation	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	20702.00	1882
Step Restoration	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	4554.00	414
Step Restoration	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	12749.00	1159
Step Restoration	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	15851.00	1441
Step Restoration	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	8338.00	758
Substation	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	7815.00	521
Step Restoration	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	10785.00	719
Step Restoration	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	18195.00	1213
Step Restoration	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	14565.00	971
Substation	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	18960.00	1264
Step Restoration	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	12150.00	810
Step Restoration	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	20175.00	1345
Step Restoration	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	23175.00	1545
Step Restoration	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	8760.00	584
Step Restoration	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	19905.00	1327
Step Restoration	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	23715.00	1581
Step Restoration	FPSC Commission Rule 25-6.0455	11/13/2016 4:27	11505.00	767
Substation	FPSC Commission Rule 25-6.0455	11/13/2016 4:38	138880.52	961
Substation	FPSC Commission Rule 25-6.0455	11/13/2016 4:38	109048.00	688
Substation	FPSC Commission Rule 25-6.0455	11/13/2016 4:38	99833.03	661
Substation	FPSC Commission Rule 25-6.0455	11/19/2016 8:09	38285.00	775
Substation	FPSC Commission Rule 25-6.0455	11/20/2016 7:05	67025.30	1077
Substation	FPSC Commission Rule 25-6.0455	11/22/2016 10:05	110515.33	1709
Substation	FPSC Commission Rule 25-6.0455	11/22/2016 10:05	69099.33	1547
Substation	FPSC Commission Rule 25-6.0455	11/22/2016 10:05	44256.67	1207
Substation	FPSC Commission Rule 25-6.0455	11/22/2016 10:05	70380.00	1242
Substation	FPSC Commission Rule 25-6.0455	11/22/2016 10:05	71323.00	1329
Substation	FPSC Commission Rule 25-6.0455	11/22/2016 10:05	38657.67	811
Substation	FPSC Commission Rule 25-6.0455	11/22/2016 10:05	30504.00	558
Substation	FPSC Commission Rule 25-6.0455	11/22/2016 10:05	58606.67	745
Substation	FPSC Commission Rule 25-6.0455	11/25/2016 7:37	27728.80	1012
Substation	FPSC Commission Rule 25-6.0455	11/27/2016 17:52	3864.67	682
Substation	FPSC Commission Rule 25-6.0455	12/1/2016 0:33	1522.50	1015
Substation	FPSC Commission Rule 25-6.0455	12/5/2016 4:53	45347.78	493
Substation	FPSC Commission Rule 25-6.0455	12/5/2016 4:53	102746.00	1230
Substation	FPSC Commission Rule 25-6.0455	12/5/2016 4:53	94187.25	1021
Substation	FPSC Commission Rule 25-6.0455	12/5/2016 4:53	105703.10	1137
Substation	FPSC Commission Rule 25-6.0455	12/5/2016 23:44	80780.60	1564
Substation	FPSC Commission Rule 25-6.0455	12/6/2016 17:26	71.98	1
Substation	FPSC Commission Rule 25-6.0455	12/6/2016 17:26	20437.08	2275
Step Restoration	FPSC Commission Rule 25-6.0455	12/6/2016 17:26	1084.50	18
Substation	FPSC Commission Rule 25-6.0455	12/6/2016 17:26	68068.00	520
Substation	FPSC Commission Rule 25-6.0455	12/13/2016 12:07	131268.45	1929
Substation	FPSC Commission Rule 25-6.0455	12/13/2016 12:07	27028.40	1176
Substation	FPSC Commission Rule 25-6.0455	12/13/2016 12:07	74366.60	1756
Substation	FPSC Commission Rule 25-6.0455	12/13/2016 12:07	30658.80	696
Substation	FPSC Commission Rule 25-6.0455	12/31/2016 17:50	7231.13	158

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2016 Adjustments: Transmission Events

Outage Events	Reason for Exclusion	Outage Date	CMI Excluded	CI Excluded
Transmission	FPSC Commission Rule 25-6.0455	1/22/2016 11:29	6.80	4
Transmission	FPSC Commission Rule 25-6.0455	1/22/2016 11:29	2951.20	1,736
Transmission	FPSC Commission Rule 25-6.0455	1/22/2016 11:29	5304.00	3,120
Transmission	FPSC Commission Rule 25-6.0455	1/22/2016 11:29	48060.00	445
Transmission	FPSC Commission Rule 25-6.0455	1/22/2016 11:31	24974.48	371
Transmission	FPSC Commission Rule 25-6.0455	1/22/2016 11:34	4954.95	63
Transmission	FPSC Commission Rule 25-6.0455	1/22/2016 11:34	24272.57	271
Transmission	FPSC Commission Rule 25-6.0455	1/22/2016 11:35	23576.00	336
Transmission	FPSC Commission Rule 25-6.0455	1/22/2016 11:35	46018.00	760
Transmission	FPSC Commission Rule 25-6.0455	2/21/2016 7:54	2725.80	2,478
Transmission	FPSC Commission Rule 25-6.0455	3/16/2016 13:43	427.80	414
Transmission	FPSC Commission Rule 25-6.0455	5/24/2016 5:56	346.50	231
Step Restoration	FPSC Commission Rule 25-6.0455	5/24/2016 5:56	3202.50	2,135
Step Restoration	FPSC Commission Rule 25-6.0455	5/24/2016 5:56	2982.00	1,988
Step Restoration	FPSC Commission Rule 25-6.0455	5/24/2016 5:56	2379.00	1,586
Step Restoration	FPSC Commission Rule 25-6.0455	5/24/2016 5:56	81.00	54
Transmission	FPSC Commission Rule 25-6.0455	5/27/2016 7:15	2211.00	1,005
Transmission	FPSC Commission Rule 25-6.0455	5/27/2016 7:15	4.40	2
Transmission	FPSC Commission Rule 25-6.0455	5/27/2016 7:15	4103.00	1,865
Transmission	FPSC Commission Rule 25-6.0455	5/27/2016 7:15	5511.00	2,505
Transmission	FPSC Commission Rule 25-6.0455	5/27/2016 7:15	715.00	325
Transmission	FPSC Commission Rule 25-6.0455	5/27/2016 7:15	3135.00	1,425
Transmission	FPSC Commission Rule 25-6.0455	5/27/2016 7:15	1799.60	818
Transmission	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	2.48	1
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	1232.00	1,120
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	209.00	190
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	1690.70	1,537
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	348.70	317
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	2.20	2
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	17.60	16
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	53.90	49
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	1705.00	1,550
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	829.40	754
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	1468.50	1,335
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	932.80	848
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	697.40	634
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	1408.00	1,280
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	2372.70	2,157
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	490.60	446
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	37.40	34
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	214.50	195
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	512.60	466
Transmission	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	2941.98	1,169
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	626.65	249
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	1099.78	437
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	3105.57	1,234
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	785.20	312
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	747.45	297
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	3523.33	1,400
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	1942.87	772
Transmission	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	171.42	55
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	2667.87	856
Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	3468.85	1,113

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Step Restoration	FPSC Commission Rule 25-6.0455	6/1/2016 16:45	1131.35	363
Transmission	FPSC Commission Rule 25-6.0455	6/30/2016 14:15	2359.50	1,170
Transmission	FPSC Commission Rule 25-6.0455	6/30/2016 14:15	2401.85	1,191
Transmission	FPSC Commission Rule 25-6.0455	6/30/2016 14:15	3932.50	1,950
Transmission	FPSC Commission Rule 25-6.0455	6/30/2016 14:15	1363.27	676
Transmission	FPSC Commission Rule 25-6.0455	6/30/2016 14:15	4091.82	2,029
Transmission	FPSC Commission Rule 25-6.0455	6/30/2016 14:15	2541.00	1,260
Transmission	FPSC Commission Rule 25-6.0455	6/30/2016 14:15	40.33	20
Step Restoration	FPSC Commission Rule 25-6.0455	8/9/2016 13:02	696.80	268
Step Restoration	FPSC Commission Rule 25-6.0455	8/9/2016 13:02	91.00	35
Transmission	FPSC Commission Rule 25-6.0455	8/9/2016 13:02	91.00	35
Transmission	FPSC Commission Rule 25-6.0455	8/10/2016 18:19	21268.13	748
Transmission	FPSC Commission Rule 25-6.0455	8/10/2016 18:19	1620.70	57
Transmission	FPSC Commission Rule 25-6.0455	8/10/2016 18:45	1068.00	356
Transmission	FPSC Commission Rule 25-6.0455	8/10/2016 18:45	13400.00	536
Transmission	FPSC Commission Rule 25-6.0455	8/10/2016 18:45	29000.00	1,160
Transmission	FPSC Commission Rule 25-6.0455	8/10/2016 18:45	18000.00	720
Transmission	FPSC Commission Rule 25-6.0455	8/10/2016 18:45	1827.17	577
Transmission	FPSC Commission Rule 25-6.0455	9/29/2016 16:01	9496.20	1,197
Transmission	FPSC Commission Rule 25-6.0455	9/29/2016 16:01	17214.10	2,179
Transmission	FPSC Commission Rule 25-6.0455	9/29/2016 16:01	2260.00	300
Transmission	FPSC Commission Rule 25-6.0455	9/29/2016 16:01	8092.23	1,106
Transmission	FPSC Commission Rule 25-6.0455	11/13/2016 4:28	333312.00	1,860
Transmission	FPSC Commission Rule 25-6.0455	11/13/2016 4:29	195510.00	1,050
Transmission	FPSC Commission Rule 25-6.0455	11/13/2016 4:29	128533.53	803
Transmission	FPSC Commission Rule 25-6.0455	11/13/2016 4:31	2099.72	13
Transmission	FPSC Commission Rule 25-6.0455	11/13/2016 4:31	25350.15	147
Transmission	FPSC Commission Rule 25-6.0455	11/13/2016 4:31	201853.15	1,083
Transmission	FPSC Commission Rule 25-6.0455	11/13/2016 4:31	19020.80	96
Transmission	FPSC Commission Rule 25-6.0455	11/13/2016 4:32	4693.60	24
Transmission	FPSC Commission Rule 25-6.0455	11/23/2016 12:01	4347.00	1,449
Transmission	FPSC Commission Rule 25-6.0455	11/23/2016 12:01	30270.17	869
Transmission	FPSC Commission Rule 25-6.0455	11/23/2016 12:01	2382.00	794
Transmission	FPSC Commission Rule 25-6.0455	11/23/2016 12:01	693.00	231
Transmission	FPSC Commission Rule 25-6.0455	11/23/2016 12:01	3300.00	1,100
Transmission	FPSC Commission Rule 25-6.0455	11/23/2016 12:01	1389.00	463
Transmission	FPSC Commission Rule 25-6.0455	11/23/2016 12:01	75235.00	1,835
Transmission	FPSC Commission Rule 25-6.0455	11/23/2016 12:01	777.00	259
Transmission	FPSC Commission Rule 25-6.0455	12/11/2016 10:07	8765.70	366
Step Restoration	FPSC Commission Rule 25-6.0455	12/11/2016 10:07	19006.85	177

Appendix C)

Annual Wood Pole Inspection Report

TAMPA ELECTRIC COMPANY Annual Wood Pole Inspection Report 2016													
ORDER NO. PSC - 07 - 0918 - FAA - PU DOCKET NOS. 070634-B1, 070635-TL	a	b	c	d	e	f	g	h	i	j	k	l	m
	Total # of Wooden Poles in the Company Inventory	# of Pole Inspections Planned this Annual Inspection	# of Poles Inspected this Annual Inspection	# of Poles Failing this Annual Inspection	Pole Failure Rate (%) this Annual Inspection	# of Poles Designated for Replacement this Annual Inspection	Total # of Poles Replaced this Annual Inspection	# of Poles Requiring Minor Follow-up this Annual Inspection (Anchors/Guys)	# of Poles Overloaded this Annual Inspection	Methods(s) V = Visual E = Excavation P = Prod S = Sound B = Bore R = Resistograph	# of Pole Inspections Planned for Next Annual Inspection Cycle	Total # of Poles Inspected (Cumulative) in the 8-Year Cycle to Date	% of Poles Inspected (Cumulative) in the 8-Year Cycle to Date
Distribution and Transmission					Distribution Reinforcement 0.12%	Distribution Reinforcement 72	Distribution Reinforcement 826						
CYCLE THREE WOOD POLE POPULATION					Distribution Replacement 5.50%	Distribution Replacement 3,262	Distribution Replacement 5,875						
Distribution	285,000	Distribution 0	Distribution 60,634	Distribution 3,334	Distribution 5.62%	Distribution 3,334	Distribution 6,701	Distribution 504	Distribution Poles Overloaded 3,161	Visual Sound Bore Excavation	** Distribution 0	Distribution 161,672	Distribution 56.73%
*Transmission		Transmission	Transmission	Transmission	Transmission	Transmission	Transmission	Transmission	Transmission		Transmission	Transmission	Transmission
Total Poles	311,000	Total 0	Total 63,454	Total 3,355	Total 0.74%	Total 3,884	Total 7,641	Total 504	Total 3,161		Total 0	Total 14,430	Total 55.50%
												Total 176,102	Total 56.62%
If b - c > 0, provide explanation													
If d - g > 0, provide explanation													
Description of selection criteria for inspections													

Appendix D)

Storm Hardening Metrics

1) Initiative 1: Four-year Vegetation Management

2016 - System Vegetation Management Performance Metrics - SYSTEM							
	Feeders			Laterals			Total
	Unadjusted	Adjusted	Diff.	Unadjusted	Adjusted	Diff.	
(A) Number of Outages							
(B) Customer interruptions							
(C) Miles Cleared		385.5			925.7		1,311.2
(D) Remaining Miles		1,344.9			3,618.2		4,963.1
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		748			4,868		5,616
(H) All Vegetation Management Costs							\$13,663,377
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							\$10,758,324
(L) Vegetation Goal (current year)							1,568.6
(M) Vegetation Budget (next year)							\$9,164,897
(N) Vegetation Goal (next year)							1,565.6
(O) Trim-Back Distance							10'

Note H: All Vegetation Management Costs - SERVICE AREA - include ONLY contractor costs, All Vegetation Management Costs - SYSTEM - include ALL costs

Note L and N: Vegetation Goal shown in miles.

Note O: 10' Represents an average, however to comply with ANSI A300, actual trim distances may vary.

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2016 - System Vegetation Management Performance Metrics - CSA

	Feeders			Laterals			Total
	Unadjusted	Adjusted	Diff.	Unadjusted	Adjusted	Diff.	
(A) Number of Outages (B) Customer Interruptions							
(C) Miles Cleared		62.1			141.89		203.9
(D) Remaining Miles		276.5			564.2		840.7
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		212			1,343		1,555
(H) All Vegetation Management Costs							\$2,336,759
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							
(L) Vegetation Goal (current year)							261.2
(M) Vegetation Budget (next year)							
(N) Vegetation Goal (next year)							260.6
(O) Trim-Back Distance							10'

Note H: All Vegetation Management Costs include ONLY contractor costs.

Note L and N: Vegetation Goal shown in miles.

Note O: 10' Represents an average, however to comply with ANSI A300, actual trim distances may vary.

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2016 - System Vegetation Management Performance Metrics - DCA

	Feeders			Laterals			Total
	Unadjusted	Adjusted	Diff.	Unadjusted	Adjusted	Diff.	
(A) Number of Outages (B) Customer Interruptions							
(C) Miles Cleared		9.1			53.0		62.1
(D) Remaining Miles		45.5			262.2		307.7
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		0			106		106
(H) All Vegetation Management Costs							\$314,991
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							
(L) Vegetation Goal (current year)							92.4
(M) Vegetation Budget (next year)							
(N) Vegetation Goal (next year)							92.6
(O) Trim-Back Distance							10'

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

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2016 - System Vegetation Management Performance Metrics - ESA

	Feeders			Laterals			Total
	Unadjusted	Adjusted	Diff.	Unadjusted	Adjusted	Diff.	
(A) Number of Outages (B) Customer Interruptions							
(C) Miles Cleared		62.5			118.5		181.0
(D) Remaining Miles		231.8			427.5		659.3
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		164			647		811
(H) All Vegetation Management Costs							\$1,380,206
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							
(L) Vegetation Goal (current year)							210.1
(M) Vegetation Budget (next year)							
(N) Vegetation Goal (next year)							209.9
(O) Trim-Back Distance							10'

Note H: All Vegetation Management Costs include ONLY contractor costs.

Note L and N: Vegetation Goal shown in miles.

Note O: 10' Represents an average, however to comply with ANSI A300, actual trim distances may vary.

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2016 - System Vegetation Management Performance Metrics - PCA

	Feeders			Laterals			Total
	Unadjusted	Adjusted	Diff.	Unadjusted	Adjusted	Diff.	
(A) Number of Outages (B) Customer Interruptions							
(C) Miles Cleared		58.5			165.6		224.1
(D) Remaining Miles		187.5			826.5		1,014.0
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		47			525		572
(H) All Vegetation Management Costs							\$1,212,159
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							
(L) Vegetation Goal (current year)							309.5
(M) Vegetation Budget (next year)							
(N) Vegetation Goal (next year)							309.2
(O) Trim-Back Distance							10'

Note H: All Vegetation Management Costs include ONLY contractor costs.

Note L and N: Vegetation Goal shown in miles.

Note O: 10' Represents an average, however to comply with ANSI A300, actual trim distances may vary.

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2016 - System Vegetation Management Performance Metrics - SHA

	Feeders			Laterals			Total
	Unadjusted	Adjusted	Diff.	Unadjusted	Adjusted	Diff.	
(A) Number of Outages							
(B) Customer Interruptions							
(C) Miles Cleared		51.7			112.8		164.5
(D) Remaining Miles		143.3			431.5		574.8
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		24			353		377
(H) All Vegetation Management Costs							\$1,145,729
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							
(L) Vegetation Goal (current year)							184.8
(M) Vegetation Budget (next year)							
(N) Vegetation Goal (next year)							183.3
(O) Trim-Back Distance							10'

Note H: All Vegetation Management Costs include ONLY contractor costs.

Note L and N: Vegetation Goal shown in miles.

Note O: 10' Represents an average, however to comply with ANSI A300, actual trim distances may vary.

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2016 - System Vegetation Management Performance Metrics - WSA

	Feeders			Laterals			Total
	Unadjusted	Adjusted	Diff.	Unadjusted	Adjusted	Diff.	
(A) Number of Outages							
(B) Customer Interruptions							
(C) Miles Cleared		83.7			146.0		229.7
(D) Remaining Miles		269.3			614.5		883.8
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		269			1,514		1,783
(H) All Vegetation Management Costs							\$2,935,241
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							
(L) Vegetation Goal (current year)							278.4
(M) Vegetation Budget (next year)							
(N) Vegetation Goal (next year)							277.9
(O) Trim-Back Distance							10'

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

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2016 - System Vegetation Management Performance Metrics - WHA

	Feeders			Laterals			Total
	Unadjusted	Adjusted	Diff.	Unadjusted	Adjusted	Diff.	
(A) Number of Outages							
(B) Customer Interruptions							
(C) Miles Cleared		57.9		188.1			246.0
(D) Remaining Miles		191.0		491.7			682.7
(E) Outages per Mile [A ÷ (C + D)]							
(F) Vegetation CI per Mile [B ÷ (C + D)]							
(G) Number of Hotspot trims		32		380			412
(H) All Vegetation Management Costs							\$917,210
(I) Customer Minutes of Interruption							
(J) Outage restoration costs							
(K) Vegetation Budget (current year)							
(L) Vegetation Goal (current year)							232.2
(M) Vegetation Budget (next year)							
(N) Vegetation Goal (next year)							232.1
(O) Trim-Back Distance							10'

Note H: All Vegetation Management Costs include ONLY contractor costs.

Note L and N: Vegetation Goal shown in miles.

Note O: 10' Represents an average, however to comply with ANSI A300, actual trim distances may vary.

Initiative 2: Joint-Use Pole Attachments Audit

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

- a) Percent of system audited: 100 percent
feeders: N/A laterals: N/A
- b) Date audit conducted: 4th quarter 2013 through June 2014.
- c) Date of previous audit: Total system-wide audit completed 2008.
- d) List of audits conducted annually
 - Through Tampa Electric's Pole Attachment Audit Application process, the company performed the following audits: attachment verification, NESC violation analysis and pole loading assessment.
- e) State whether pole rents are jurisdictional or non-jurisdictional. If pole rents are jurisdictional, then provide an estimate of lost revenue and describe the company's efforts to minimize the lost revenue.
 - Tampa Electric does not have any non-jurisdictional distribution poles

Joint-Use Attachment Data Table

(A) Number of company owned distribution poles.	307,341
(B) Number of company distribution poles leased.	13,184 ⁽¹⁾
(C) Number of owned distribution pole attachments	198,288
(D) Number of leased distribution pole attachments.	13,184 ⁽²⁾
(E) Number of authorized attachments.	321,618
(F) Number of unauthorized attachments.	3,696 ⁽³⁾
(G) Number of distribution poles strength tested.	4,120
(H) Number of distribution poles passing strength test.	842
(I) Number of distribution poles failing strength test (overloaded).	114
(J) Number of distribution poles failing strength test (other reasons).	3,360 ⁽⁴⁾
(K) Number of distribution poles corrected (strength failure).	308 ⁽⁵⁾
(L) Number of distribution poles corrected (other reasons).	826 ⁽⁶⁾
(M) Number of distribution poles replaced.	5,967
(N) Number of apparent NESC violations involving electric infrastructure.	161
(O) Number of apparent NESC violations involving 3 rd party facilities.	393

- Note 1: These are the number of poles where Tampa Electric leases space on foreign owned poles.
- Note 2: Each attachment is counted as one per pole on leased poles.
- Note 3: Tampa Electric completed a pole attachment audit in June 2014 and identified unauthorized attachments at the completion of the audit in June 2014.
- Note 4: These 3,360 poles were identified for replacement during Tampa Electric's Pole Inspection Program and failed the strength test due to wood damage at ground line or other locations on the pole.
- Note 5: These poles were re-guyed or re-configured to pass strength loading.
- Note 6: The company reinforced these poles with trusses

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

Transmission Circuit, Substation and Other Equipment Inspections

	Activity		Current Budget		Next Year	
	Goal	Actual	Budget	Actual	Goal	Budget
(A) Total transmission circuits.		204				
(B1) Planned transmission circuit inspections – Ground line (Structures)	0 (0)		0		0	0
(B2) Planned transmission circuit inspections – Above Ground (Structures).	0 (0)		0		0	0
(C1) Completed transmission circuit inspections – Ground line (Poles)		19 (2,820)		\$46,655		
(C2) Completed transmission circuit inspections – Above Ground (Structures)		19 (2,820)		\$179,053		
(D1) Percent of transmission circuit inspections completed – Ground line		100%				
(D2) Percent of transmission circuit inspections completed – Above Ground.		100%				
(E) Planned transmission substation inspections.	72				72	
(F) Completed transmission substation inspections		72				
(G) Percent transmission substation inspections completed.		100%				
(H) Planned transmission equipment inspections (other equipment). – Ground Patrol/ IR	204 / 0		\$163,730/ \$0		204 / 0	
(I) Completed transmission equipment inspections (other equipment) – Ground Patrol/ IR Patrol		204/ 204		\$139,104/ \$67,128		\$159,279/ \$0
(J) Percent of transmission equipment inspections completed (other equipment) – Ground Patrol/ IR Patrol		100%/ 100%				

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Transmission Pole Inspections

	Activity		Current Budget		Next Year	
	Goal	Actual	Budget	Actual	Goal	Budget
(A) Total number of transmission poles		25,516 ⁽¹⁾				
(B) Number of transmission poles strength tested		0 ⁽²⁾				
(C) Number of transmission poles passing strength test		N/A				
(D) Number of transmission poles failing strength test (overloaded)		N/A				
(E) Number of transmission poles failing strength test (other reasons)		N/A				
(F) Number of transmission poles corrected (strength failure)		0				
(G) Number of transmission poles corrected (other reasons)		0				
(H) Total transmission poles replaced (Structures)		940			310 ⁽³⁾	

Note 1: The transmission pole count on the entire system is currently 25,516 this is a fluid number that will change as a function of time. Standards have been set to calculate this number based off of the Geographical Information System and provide an annual update prior to the submission of this report.

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

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

4) Initiative 4: Storm Hardening Activities for Transmission Structures

	Activity		Current Budget		Next Year	
	Goal	Actual	Budget	Actual	Goal	Budget
(A) Transmission structures scheduled for hardening.	550		\$12.5M		310	\$6.8M
(B) Transmission structures hardening completed.		940		\$19.4M		
(C) Percent transmission structures hardening completed.		170%				

5) Initiative 5: Geographic Information System

See Section I – Storm Preparedness Plans, item E) Initiative 5: See Geographic Information System on pages 23 and 24 for a detailed discussion.

6) Initiative 6: Post-Storm Data Collection

See Section I – Storm Preparedness Plans, item F) Initiative 6: Post-Storm Data Collection on pages 24 through 29 for a detailed discussion

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

See Section I – Storm Preparedness Plans, item G) Initiative 7: Outage Data – Overhead and Underground Systems on page 29 for a detailed discussion.

8) Initiative 8: Increase Coordination with Local Governments

See attached page 164 for a matrix of Tampa Electric’s activities involving its coordination with local governments.

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Government Entity	Municipal	Communication Efforts Presentations, Material, Etc.	Storm Workshop, Planning and Training With Local Gov't Officials and Fire and Police Personnel	Emergency Operation Centers Key Personnel Contact	Search and Rescue Teams Assistance to Local Gov't	Vegetation Management Tree Ordinances, Planting Guides, and Trim Procedures	Undergrounding Share Information, Estimates, and Materials
FEDERAL	---		NFPA 1600 Committee meeting - Emergency Management, Business Continuity, and Disaster Recovery Standard - 8 hours				
			EI Business Continuity Leadership - 10 hours				
	---		Electric Subsector Coordinating Council - 25 hours				
	---		NERC GridEx IV Planning - 70 hours				
STATE	---	Development and delivery of presentation to FPSC visitors at Electric Delivery Mock Storm Exercise - 20 hours	Meeting with FDEM and FPSC regarding Governor Scott's concerns during Hurricane Hermine re: resources - 40 hours	Activations (Tropical Storm Colin, Hurricane Hermine, Hurricane Matthew)			
HILLSBOROUGH COUNTY	---		PDRP Planning - 18 hours	Partial activations (Tropical Storm Colin, Hurricane Hermine and Hurricane Matthew)			
	---		Hillsborough County Operations Group Meetings - 8 hours				
	---		Hillsborough County Training and Exercise Meetings - 4 hours				
	---		LMS Working Group - 10 hours				
	---		Critical Facility Index Working Group - 40 hours				
	---		Mass Casualty Exercise - 85 hours				
	---		eTeam Training - 4 hours				
	---		Restoration update calls to County Commissioners - 3 hours				
	City of Tampa		Critical Facility Index Working Group - 2 hours				
	City of Tampa		Mock Storm Exercise - 50 hours	Partial activations (Tropical Storm Colin and Hurricane Hermine)			
	City of Tampa		Port Tampa (PHWAG) Exercise - 8 hours				
	City of Tampa		Debris Clearing Strategy - 50 hours				
	City of Tampa		PDRP Planning - 9 hours				
	City of Plant City		Critical Facility Index Working Group - 1 hour	No activations in 2016			
	City of Plant City	Restoration update calls to City Manager - 3 hours					
	City of Temple Terrace		Storm Season Workshop - 8 hours				
	City of Temple Terrace		Critical Facility Index Working Group - 1 hour	No activations in 2016			
POLK COUNTY	Winter Haven		Great Tornado Drill - 2 hours	Full activation (Hurricane Matthew)			
	Winter Haven			Polk Co EOC activation calls - 3 hours			
PASCO COUNTY	New Port Richey		WebEOC Training - 8 hours	Full activations (Tropical Storm Colin and Hurricane Hermine); partial activation (Hurricane Matthew)			
	New Port Richey		Vulnerable Population Committee - 2 hours				
	New Port Richey		Pasco Co EOC activation exercise - 5.5 hours				
	New Port Richey			Numerous Pasco Co EOC activation calls and briefings - 40+ hours			
	Dade City		Communicated TE transmission helicopter inspections - 5 hours				
	Dade City		Meeting with Chief Ray Velboom and Sgt. James Walters, Dade City Police Department, to discuss storm plan - 1 hour				
	San Antonio		Communicated TE transmission helicopter inspections - 5 hours				
St. Leo		Communicated TE transmission helicopter inspections - 5 hours					
PINELLAS COUNTY	Largo		WebEOC Training - 8 hours	Partial activations (Tropical Storm Colin, Hurricane Hermine and Hurricane Matthew)			
	Largo		Mock Storm Exercise - 4 hours				
	Largo		Mass Prophylaxis Preparedness Workshop - 16 hours				
	Oldsmar			No activations in 2016			
OTHER							

9) Initiative 9: Collaborative Research

See Section I – Storm Preparedness Plans, item I) Initiative 9: Collaborative Research on pages 33 through 37 for a detailed description and related data.

10) Initiative 10: Disaster Preparedness and Recovery Plan

The company's Disaster Preparedness and Recovery Plan for 2016 was thoroughly reviewed and found to be appropriate; both the structure and operational functions did not change and are consistent with the document previously submitted to the Commission. For 2017, the Plan will undergo its customary annual review prior to storm season and any necessary updates or modifications will be made at that time.

11) Feeder Specific and Attached Laterals Data

See attached pages 166 through 203.

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(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral	(N) Number of Automatic Line Sectionalizing Devices on the Feeder
13001	SHA	N/A	12.86	780	14.678	125	N/A	4.47	610	937	2	0	1
13002	SHA	N/A	0.24	16	139	2	N/A	0.43	7	0	0	1	0
13003	SHA	N/A	24.08	567	97.361	497	N/A	2.51	199	0	0	0	4
13004	DCA	N/A	11.11	509	19.680	189	N/A	8.48	488	0	0	0	0
13005	DCA	N/A	6.34	272	5.477	67	N/A	1.56	215	2081	15	0	0
13006	DCA	N/A	22.66	772	41.331	271	N/A	10.36	896	20405	110	0	1
13007	PCA	N/A	29.69	468	141.086	500	N/A	3.25	50	726	2	2	0
13008	PCA	N/A	17.23	397	2.543	16	N/A	1.38	17	0	0	0	0
13009	PCA	N/A	3.03	61	14.555	81	N/A	0.92	40	0	0	0	0
13010	PCA	N/A	7.63	436	8.041	76	N/A	9.54	1045	32772	100	6	0
13011	PCA	N/A	27.83	1470	169.539	1,280	N/A	1.25	93	1204	5	2	0
13012	WSA	N/A	0.49	49	650	1	N/A	0.10	10	169	1	0	0
13013	WSA	N/A	0.24	44	0	0	N/A	1.39	188	1608	12	0	0
13016	WSA	N/A	0.83	95	1.592	10	N/A	0.76	97	9230	33	0	0
13017	SHA	N/A	9.07	366	75.524	857	N/A	15.70	1441	17988	118	11	0
13019	SHA	N/A	15.23	986	253.185	2,290	N/A	7.48	687	49163	181	1	0
13020	SHA	N/A	12.95	897	45.240	611	N/A	2.18	241	0	0	0	0
13021	CSA	N/A	3.45	238	4.544	53	N/A	4.80	1032	90	2	0	0
13022	CSA	N/A	3.29	452	929	7	N/A	0.71	320	4704	41	0	0
13023	CSA	N/A	8.71	987	28.123	190	N/A	1.84	345	768	6	0	0
13024	CSA	N/A	7.52	785	90.005	272	N/A	1.19	175	596	1	0	0
13026	CSA	N/A	3.01	261	9.194	46	N/A	5.05	1543	19802	71	0	0
13027	CSA	N/A	9.22	686	56.806	353	N/A	1.89	308	9651	74	2	0
13028	CSA	N/A	5.61	568	74.436	392	N/A	4.60	1373	18314	233	0	0
13029	CSA	N/A	6.07	505	32.329	186	N/A	3.11	660	0	0	0	0
13030	WHA	N/A	30.19	980	27.349	191	N/A	11.70	699	2835	30	13	1
13031	WHA	N/A	14.24	530	1.325	19	N/A	2.07	111	0	0	0	0
13034	CSA	N/A	9.85	1151	2.641	29	N/A	0.74	169	0	0	0	0
13035	CSA	N/A	5.23	463	15.872	42	N/A	0.79	92	0	0	0	2
13036	CSA	N/A	9.06	914	26.888	142	N/A	2.18	269	0	0	0	0
13037	CSA	N/A	5.87	571	63.272	611	N/A	1.62	339	0	0	0	0
13038	ESA	N/A	6.13	348	33.323	234	N/A	3.89	209	5530	8	0	0
13039	ESA	N/A	7.22	443	20.915	81	N/A	5.91	555	2395	26	0	0
13040	ESA	N/A	0.30	4	326	6	N/A	14.41	1099	9282	68	0	0
13041	ESA	N/A	5.72	320	13.211	62	N/A	14.42	938	15298	102	0	0
13042	CSA	N/A	12.91	1633	140.131	791	N/A	0.10	4	0	0	0	0
13043	CSA	N/A	12.29	1640	69.742	280	N/A	1.23	395	0	0	0	0
13044	CSA	N/A	12.44	1679	211.790	1,024	N/A	0.29	10	0	0	1	0
13045	CSA	N/A	7.06	966	33.229	152	N/A	0.05	18	0	0	0	0
13046	CSA	N/A	7.90	1100	35.111	203	N/A	0.05	4	0	0	0	0
13047	CSA	N/A	3.77	527	3.923	67	N/A	0.27	166	0	0	0	0
13048	CSA	N/A	8.37	1235	16.013	66	N/A	0.35	26	491	1	0	0

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(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of URD Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 2015	(Z) Recorded Peak Load Recorded through December 31 2016
Yes	3.75	0.10	0	0	0	3.75	115	44849	3634	4.8%	6.7
Yes	0.69	2.44	0	0	0	0.69	0	0	0	-14.0%	4.1
Yes	7.86	0.03	0	0	0	7.86	99	168923	790	5.7%	4.6
Yes	3.33	0.00	0	0	0	3.33	83	21583	1058	-2.6%	5.7
Yes	1.15	0.51	0	0	0	1.15	34	0	0	-8.2%	3.1
Yes	5.92	0.17	0	0	0	5.92	101	217611	3470	2.7%	6.2
Yes	3.35	0.09	0	0	0	3.35	30	140190	1489	-14.4%	6.2
Yes	0.86	0.00	0	0	0	0.86	1	141375	1080	19.8%	3.0
Yes	2.14	0.09	0	0	0	2.14	25	0	0	10.3%	3.5
Yes	4.59	0.20	0	0	0	4.59	100	184804	3141	0.5%	6.3
Yes	5.71	0.54	0	0	0	5.71	75	711284	9642	3.3%	7.2
Yes	0.44	0.09	0	0	0	0.44	24	0	0	9.1%	0.9
Yes	0.63	0.82	0	0	0	0.63	40	0	0	-6.1%	3.8
Yes	0.83	0.39	0	0	0	0.83	17	3363	190	-5.1%	4.4
Yes	3.18	1.23	0	0	0	3.18	74	0	0	5.4%	7.5
Yes	3.77	0.84	0	0	0	3.77	60	11383	1797	2.5%	8.3
Yes	3.81	0.00	0	0	0	3.81	104	0	0	-25.8%	3.2
Yes	3.00	0.09	0	0	0	3.00	79	48477	2752	1.0%	6.3
Yes	0.82	0.11	0	0	0	0.82	20	1938	855	11.8%	2.5
Yes	1.99	0.10	0	0	0	1.99	99	0	0	7.5%	5.7
Yes	1.79	0.12	0	0	0	1.79	101	0	0	6.6%	4.2
Yes	1.27	0.04	0	0	0	1.27	67	0	0	3.3%	5.1
Yes	0.71	0.48	0	0	0	0.71	34	0	0	2.3%	4.6
Yes	1.43	0.02	0	0	0	1.43	26	235408	3791	1.3%	5.9
Yes	1.00	0.29	0	0	0	1.00	26	121440	3582	4.4%	5.0
Yes	5.20	0.09	0	0	0	5.20	78	0	0	4.3%	7.9
Yes	3.45	0.00	0	0	0	3.45	51	52247	1346	5.5%	2.8
Yes	1.87	0.04	0	0	0	1.87	104	0	0	3.5%	4.8
Yes	2.03	0.00	0	0	0	2.03	105	1551	862	32.1%	6.9
Yes	2.09	0.73	0	0	0	2.09	111	0	0	7.1%	6.9
Yes	2.41	0.03	0	0	0	2.41	155	98946	1076	4.1%	4.5
Yes	2.04	0.13	0	0	0	2.04	58	0	0	-15.1%	3.6
Yes	3.00	0.08	0	0	0	3.00	57	24243	1051	4.3%	5.5
Yes	0.57	0.59	0	0	0	0.57	6	0	0	-2.7%	6.3
Yes	4.31	0.00	0	0	0	4.31	104	32775	869	2.3%	6.9
Yes	2.59	0.06	0	0	0	2.59	191	440029	8511	22.8%	6.8
Yes	1.99	0.05	0	0	0	1.99	153	10766	362	11.8%	8.3
Yes	0.83	0.03	0	0	0	0.83	58	37922	1678	8.1%	7.6
Yes	1.69	0.11	0	0	0	1.69	179	0	0	17.3%	4.9
Yes	3.17	0.00	0	0	0	3.17	242	0	0	9.2%	5.1
Yes	1.32	0.04	0	0	0	1.32	110	0	0	8.6%	2.8
Yes	2.29	0.14	0	0	0	2.29	167	0	0	5.9%	5.7

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(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral	(N) Number of Automatic Line Sectionalizing Devices on the Feeder
13049	CSA	N/A	5.56	609	8,540	33	N/A	2.06	498	1741	10	0	0
13050	CSA	N/A	0.05	0	0	0	N/A	0.84	45	74	1	0	0
13051	CSA	N/A	1.40	97	0	0	N/A	4.38	949	19252	82	0	0
13052	CSA	N/A	0.88	40	4,671	121	N/A	0.62	138	0	0	0	0
13053	CSA	N/A	9.10	1123	51,169	816	N/A	1.98	307	0	0	0	0
13054	CSA	N/A	0.23	0	0	0	N/A	1.10	439	0	0	0	0
13055	CSA	N/A	0.37	0	0	0	N/A	0.64	25	0	0	0	0
13057	CSA	N/A	0.19	5	156	1	N/A	0.89	178	0	0	0	0
13059	WSA	N/A	6.97	920	50,592	734	N/A	0.71	130	0	0	0	0
13060	WSA	N/A	4.75	483	15,497	171	N/A	1.13	471	20383	41	0	0
13061	WSA	N/A	3.53	426	22,418	555	N/A	0.39	31	5156	12	0	0
13062	WSA	N/A	4.87	532	24,423	261	N/A	0.15	15	4420	15	0	0
13063	WSA	N/A	5.70	449	8,169	83	N/A	6.94	1470	44601	104	0	0
13064	WSA	N/A	9.04	1040	145,588	1,140	N/A	4.70	783	561	1	3	0
13065	WSA	N/A	8.87	1023	67,168	364	N/A	2.06	457	6706	25	0	0
13066	WSA	N/A	2.95	433	127,063	346	N/A	0.00	0	0	0	0	0
13067	WSA	N/A	5.26	616	29,136	250	N/A	0.41	14	0	0	0	0
13068	WSA	N/A	5.41	816	30,889	208	N/A	1.39	326	17179	50	0	0
13069	WSA	N/A	4.12	496	7,176	28	N/A	0.69	322	0	0	0	0
13070	WSA	N/A	16.61	402	117,333	771	N/A	15.89	369	1634	28	0	0
13071	WSA	N/A	7.42	171	41,469	191	N/A	15.48	1181	12649	86	0	1
13072	WSA	N/A	6.59	672	3,551	32	N/A	0.35	33	117	1	0	0
13073	WSA	N/A	3.51	395	11,504	52	N/A	6.86	348	0	0	4	0
13076	WSA	N/A	2.16	99	13,953	75	N/A	1.44	119	11078	112	0	0
13077	WSA	N/A	8.15	606	42,932	250	N/A	1.77	50	0	0	0	0
13078	WSA	N/A	7.23	1011	41,850	133	N/A	0.31	90	0	0	0	0
13079	WSA	N/A	4.58	515	77,101	212	N/A	2.49	769	0	0	0	0
13080	WSA	N/A	8.03	1100	22,326	290	N/A	1.33	544	0	0	5	0
13081	WSA	N/A	2.68	405	95,780	307	N/A	1.44	522	2850	8	3	0
13082	WSA	N/A	6.19	808	32,445	123	N/A	0.60	304	0	0	0	0
13084	ESA	N/A	3.94	159	14,600	57	N/A	1.43	76	65	1	0	0
13085	ESA	N/A	2.03	49	37	1	N/A	0.22	7	0	0	0	0
13086	ESA	N/A	3.08	249	19,600	214	N/A	1.33	11	0	0	0	0
13087	ESA	N/A	4.20	340	81,235	621	N/A	2.54	321	153	1	0	0
13088	CSA	N/A	3.53	375	124,642	386	N/A	1.23	315	2730	70	0	0
13089	CSA	N/A	7.85	768	134,494	346	N/A	2.23	49	0	0	0	0
13090	CSA	N/A	4.64	639	37,532	194	N/A	1.51	355	14548	53	0	0
13091	CSA	N/A	10.05	1475	37,002	157	N/A	0.30	7	0	0	0	0
13092	CSA	N/A	5.36	621	46,450	274	N/A	0.29	55	0	0	0	0
13093	CSA	N/A	6.08	965	35,398	161	N/A	0.07	36	0	0	0	0
13094	CSA	N/A	6.98	691	38,174	584	N/A	2.44	467	26074	188	0	0
13096	CSA	N/A	19.87	673	167,519	1,793	N/A	11.26	509	13295	41	1	1

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(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of URD Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 2015	(Z) Recorded Peak Load Recorded through December 31 2016
Yes	1.66	0.05	0	0	0	1.66	125	0	0	8.8%	4.0
Yes	0.44	1.49	0	17118	184	0.44	2	0	0	2.4%	5.5
Yes	1.91	0.15	0	0	0	1.91	50	0	0	46.0%	7.4
Yes	1.47	0.09	0	0	0	1.47	8	0	0	20.4%	6.5
Yes	2.36	0.13	0	0	0	2.36	144	0	0	3.6%	6.3
Yes	1.02	0.70	0	0	0	1.02	6	0	0	19.1%	3.9
Yes	2.34	1.54	2	0	0	2.34	8	0	0	-12.7%	3.5
Yes	1.37	0.04	0	0	0	1.37	8	0	0	-2.8%	6.9
Yes	1.40	0.00	0	0	0	1.40	124	0	0	3.7%	4.9
Yes	1.94	0.00	0	0	0	1.94	144	5548	1144	0.2%	5.5
Yes	2.17	0.00	0	0	0	2.17	189	0	0	-3.2%	2.9
Yes	1.71	0.00	0	0	0	1.71	136	0	0	12.2%	2.5
Yes	3.06	0.00	0	0	0	3.06	151	0	0	7.0%	6.9
Yes	1.98	0.00	0	0	0	1.98	140	454533	7237	3.4%	8.0
Yes	0.61	0.00	0	0	0	0.61	50	0	0	7.1%	5.5
Yes	0.54	0.05	0	0	0	0.54	71	2852	514	3.1%	2.0
Yes	1.28	0.29	0	0	0	1.28	86	37316	720	-2.1%	6.3
Yes	1.26	0.03	0	0	0	1.26	64	0	0	-2.2%	5.0
Yes	1.95	0.05	0	0	0	1.95	130	3024	810	-6.5%	3.8
Yes	2.97	0.69	0	0	0	2.97	19	23055	1995	3.3%	5.1
Yes	2.31	0.06	0	0	0	2.31	22	0	0	2.5%	8.7
Yes	0.35	0.31	0	0	0	0.35	33	0	0	-2.2%	5.5
Yes	1.82	0.19	0	0	0	1.82	104	0	0	0.4%	5.7
Yes	1.60	0.00	0	0	0	1.60	38	23180	518	10.6%	4.1
Yes	3.02	0.16	0	0	0	3.02	133	56840	790	-4.3%	5.5
Yes	1.02	0.06	0	0	0	1.02	10	0	0	-1.1%	5.7
Yes	2.22	0.13	0	0	0	2.22	129	185191	1424	3.6%	6.2
Yes	2.03	0.16	0	0	0	2.03	99	80011	1780	4.7%	7.7
Yes	0.72	0.19	0	0	0	0.72	57	0	0	-5.1%	4.5
Yes	0.39	0.06	0	0	0	0.39	42	67759	833	2.4%	5.7
Yes	2.15	0.12	0	0	0	2.15	36	17052	272	3.2%	3.8
Yes	0.86	0.37	0	0	0	0.86	10	160	64	-2.6%	4.4
Yes	3.04	0.37	0	0	0	3.04	49	0	0	4.3%	5.6
Yes	2.40	0.24	0	0	0	2.40	117	0	0	-1.8%	7.5
Yes	1.11	0.04	0	0	0	1.11	48	12747	1107	3.8%	2.3
Yes	0.40	0.11	0	0	0	0.40	20	0	0	-35.5%	5.0
Yes	2.25	0.26	0	30351	349	2.25	145	139446	1811	-70.6%	1.4
Yes	2.41	0.24	0	0	0	2.41	129	0	0	3.2%	6.3
Yes	1.21	0.19	0	0	0	1.21	155	0	0	8.3%	3.2
Yes	1.39	0.21	0	0	0	1.39	107	7677	1129	5.3%	4.0
Yes	2.70	1.11	0	0	0	2.70	107	137302	1283	-1.9%	7.4
Yes	3.27	0.08	0	0	0	3.27	87	129642	1555	0.3%	7.6

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(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral	(N) Number of Automatic Line Sectionalizing Devices on the Feeder
13097	CSA	N/A	14.36	546	55,097	475	N/A	19.30	649	2175	6	0	0
13098	CSA	N/A	10.13	517	35,429	192	N/A	9.65	528	48165	377	0	0
13099	CSA	N/A	11.58	357	26,192	304	N/A	19.66	787	12961	82	0	0
13100	CSA	N/A	5.79	455	15,199	114	N/A	0.89	81	0	0	0	0
13101	CSA	N/A	3.19	330	22,907	81	N/A	0.67	179	7563	16	0	0
13102	CSA	N/A	6.03	821	16,394	207	N/A	0.37	30	0	0	0	0
13103	CSA	N/A	3.33	542	25,720	188	N/A	0.44	12	0	0	0	0
13104	CSA	N/A	5.07	490	23,127	62	N/A	1.74	257	318	1	0	0
13105	CSA	N/A	6.81	659	62,315	148	N/A	2.06	401	23335	72	0	0
13106	CSA	N/A	3.58	520	8,509	45	N/A	5.51	2091	43172	214	0	0
13107	CSA	N/A	3.85	464	121,942	368	N/A	5.75	993	29374	198	0	0
13109	WSA	N/A	5.44	756	185,661	913	N/A	2.45	1224	65325	338	0	0
13110	WSA	N/A	1.06	39	0	0	N/A	1.51	74	853	2	0	0
13111	WSA	N/A	4.14	545	39,971	151	N/A	1.25	323	0	0	0	0
13112	WSA	N/A	10.36	964	88,599	890	N/A	5.33	581	1272	3	5	0
13113	WSA	N/A	3.20	468	11,938	198	N/A	0.05	1	0	0	0	0
13114	WSA	N/A	6.23	531	16,563	95	N/A	8.65	2301	39050	174	0	0
13115	WHA	N/A	6.43	464	17,281	144	N/A	2.80	204	0	0	0	0
13117	WHA	N/A	11.58	693	15,304	203	N/A	21.88	559	126437	797	0	0
13118	WHA	N/A	12.66	767	146,124	1,474	N/A	13.91	1131	5405	19	3	0
13119	PCA	N/A	1.65	24	812	1	N/A	2.10	631	0	0	0	0
13120	PCA	N/A	2.64	62	12,039	115	N/A	10.22	922	46324	224	0	0
13121	PCA	N/A	3.26	83	1,361	10	N/A	7.25	684	45921	536	0	0
13122	PCA	N/A	3.97	337	40,209	181	N/A	1.09	72	64	1	0	0
13123	PCA	N/A	7.69	641	9,487	60	N/A	1.36	124	2239	6	0	0
13124	PCA	N/A	7.44	351	23,145	496	N/A	2.72	299	0	0	1	0
13125	PCA	N/A	4.07	397	8,244	57	N/A	3.11	359	0	0	0	0
13126	PCA	N/A	8.04	225	5,587	19	N/A	2.81	232	121680	218	0	0
13127	ESA	N/A	2.02	64	19,137	72	N/A	16.69	1081	28599	174	0	0
13128	ESA	N/A	9.59	524	121,099	338	N/A	7.35	563	8976	44	0	1
13129	ESA	N/A	2.81	238	38,439	80	N/A	5.46	425	7920	74	0	0
13130	ESA	N/A	6.02	334	13,357	362	N/A	4.10	452	31606	242	0	0
13132	ESA	N/A	1.67	38	3,265	11	N/A	1.96	113	0	0	1	0
13133	ESA	N/A	8.14	921	136,321	510	N/A	1.64	185	17671	106	0	1
13134	ESA	N/A	2.08	159	0	0	N/A	2.67	214	3377	10	0	0
13136	WSA	N/A	4.29	484	18,614	108	N/A	0.37	9	0	0	0	0
13137	WSA	N/A	0.93	148	6,732	39	N/A	1.25	528	44913	190	0	0
13138	WSA	N/A	4.02	429	22,961	324	N/A	2.50	845	40937	202	0	0
13139	WSA	N/A	5.82	535	33,735	205	N/A	3.18	903	2243	10	0	0
13140	WSA	N/A	3.55	392	7,701	85	N/A	1.77	804	0	0	0	0
13141	WSA	N/A	2.68	513	236,592	1,480	N/A	0.93	459	28638	105	0	0
13142	WSA	N/A	2.57	543	21,163	225	N/A	1.99	1166	0	0	0	0

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Yes	4.66	1.18	0	0	0	4.66	93	0	0	7.3%	6.3
Yes	4.37	0.07	0	0	0	4.37	108	151832	2296	6.5%	6.8
Yes	6.36	0.07	0	0	0	6.36	51	5153	1479	2.8%	7.1
Yes	2.42	0.22	0	0	0	2.42	103	0	0	4.1%	5.9
Yes	1.22	0.00	0	0	0	1.22	92	0	0	7.8%	3.6
Yes	3.54	0.13	0	0	0	3.54	194	35875	1049	4.5%	4.4
Yes	1.75	0.16	0	0	0	1.75	142	2366	673	-10.9%	3.4
Yes	2.06	0.14	0	8767	839	2.06	80	2349	839	-5.4%	4.7
Yes	1.64	0.08	0	0	0	1.64	46	0	0	4.1%	6.0
Yes	1.17	0.00	0	0	0	1.17	74	0	0	4.8%	6.1
Yes	3.15	0.00	0	0	0	3.15	149	66678	1623	4.7%	7.0
Yes	0.77	0.22	0	0	0	0.77	86	0	0	6.2%	4.9
Yes	1.71	0.08	0	0	0	1.71	28	0	0	1.2%	6.2
Yes	0.95	0.08	0	0	0	0.95	20	90619	1732	5.0%	5.2
Yes	3.85	0.21	0	0	0	3.85	190	245021	8467	2.6%	7.8
Yes	0.98	0.06	0	0	0	0.98	39	0	0	-6.4%	1.9
Yes	0.82	1.18	0	0	0	0.82	78	0	0	2.5%	8.8
Yes	2.33	0.13	0	0	0	2.33	68	0	0	-2.5%	3.8
Yes	3.11	2.47	0	0	0	3.11	74	5489	1262	3.4%	4.3
Yes	6.37	1.56	0	0	0	6.37	124	170617	5058	3.4%	7.4
Yes	2.20	0.08	0	0	0	2.20	18	0	0	15.9%	6.3
Yes	2.17	0.75	0	0	0	2.17	25	60458	1952	4.4%	6.3
Yes	2.90	0.26	0	0	0	2.90	63	0	0	-3.2%	7.3
Yes	1.34	0.09	0	0	0	1.34	48	2420	345	14.4%	6.3
Yes	2.10	0.00	0	0	0	2.10	66	0	0	-5.3%	4.4
Yes	4.02	0.02	0	0	0	4.02	125	20156	340	5.1%	5.9
Yes	2.50	0.86	0	0	0	2.50	108	0	0	4.7%	6.3
Yes	4.62	0.15	0	0	0	4.62	31	18917	483	4.8%	2.6
Yes	2.60	0.00	0	0	0	2.60	98	32088	186	3.2%	5.7
Yes	3.35	0.03	0	0	0	3.35	97	0	0	-0.6%	5.3
Yes	1.88	0.13	0	21492	672	1.88	50	35493	712	-2.8%	4.5
Yes	3.53	0.04	0	0	0	3.53	130	4143	1125	6.0%	4.8
Yes	0.73	0.03	0	0	0	0.73	15	0	0	19.2%	3.0
Yes	1.53	0.00	0	0	0	1.53	28	0	0	5.9%	4.4
Yes	1.04	0.07	0	0	0	1.04	56	0	0	13.6%	1.8
Yes	1.35	0.08	0	0	0	1.35	26	13859	508	9.7%	2.8
Yes	1.20	0.16	0	0	0	1.20	96	127239	2338	-2.7%	4.1
Yes	1.23	0.03	0	0	0	1.23	70	0	0	0.4%	4.9
Yes	1.67	0.04	0	0	0	1.67	67	0	0	1.0%	7.8
Yes	0.26	0.17	0	0	0	0.26	47	0	0	3.7%	3.6
Yes	1.00	0.38	0	65487	1329	1.00	133	3334	1325	23.8%	7.0
Yes	0.83	0.28	0	0	0	0.83	66	0	0	2.1%	5.5

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13143	WSA	N/A	1.90	357	32,432	135	N/A	0.08	40	0	0	0	0
13146	PCA	N/A	20.46	440	32,718	303	N/A	1.05	34	39	1	0	0
13147	PCA	N/A	32.18	782	74,069	209	N/A	6.56	338	15177	119	0	0
13148	PCA	N/A	30.83	667	41,637	184	N/A	1.28	39	414	2	0	0
13150	WHA	N/A	4.29	353	23,938	125	N/A	5.43	209	14407	57	0	0
13151	WHA	N/A	1.87	40	87	1	N/A	10.75	1043	8142	45	0	0
13152	WHA	N/A	3.68	329	8,284	62	N/A	8.17	562	25202	132	0	0
13153	WHA	N/A	11.33	1104	38,547	358	N/A	5.63	455	157	1	0	0
13154	WSA	N/A	3.64	386	11,444	35	N/A	8.59	1451	5410	23	0	0
13155	WSA	N/A	3.71	388	80,841	171	N/A	12.18	1278	21266	40	0	0
13156	WSA	N/A	2.19	211	3,310	19	N/A	3.76	841	20183	115	0	0
13157	WSA	N/A	0.84	57	6,365	53	N/A	10.13	571	0	0	0	0
13158	CSA	N/A	7.22	718	69,486	399	N/A	3.06	823	15283	179	0	0
13159	CSA	N/A	8.21	707	200,656	543	N/A	2.01	315	65	2	0	0
13160	CSA	N/A	4.95	508	33,398	144	N/A	2.04	393	12507	46	0	0
13161	WSA	N/A	3.42	385	38,862	156	N/A	0.18	56	463	12	0	0
13162	WSA	N/A	5.57	545	46,570	166	N/A	1.04	265	0	0	0	0
13163	WSA	N/A	5.42	795	34,136	223	N/A	0.52	123	0	0	0	0
13164	WSA	N/A	5.88	765	16,563	101	N/A	0.84	51	0	0	0	0
13165	WSA	N/A	1.95	273	1,185	15	N/A	0.53	55	0	0	0	0
13166	WSA	N/A	5.73	822	34,700	133	N/A	1.30	485	65	1	0	0
13167	WSA	N/A	7.64	1213	48,430	320	N/A	0.71	226	10792	27	0	0
13169	ESA	N/A	1.10	5	21,540	489	N/A	11.59	1225	105803	1042	0	0
13170	ESA	N/A	0.27	0	0	0	N/A	17.41	1694	9695	118	0	0
13171	ESA	N/A	9.49	596	139,148	803	N/A	9.53	805	6178	17	0	0
13172	ESA	N/A	2.93	217	47,669	305	N/A	1.92	143	205	2	0	0
13173	ESA	N/A	3.27	449	14,625	94	N/A	4.84	862	0	0	0	0
13174	ESA	N/A	1.66	9	26,723	220	N/A	14.94	2705	1069	25	0	0
13175	CSA	N/A	16.89	1735	39,377	247	N/A	0.73	42	281	1	0	0
13176	CSA	N/A	8.46	838	24,252	62	N/A	1.13	48	0	0	0	0
13177	CSA	N/A	3.44	320	132	2	N/A	0.41	51	0	0	0	0
13178	CSA	N/A	3.07	99	6,173	16	N/A	0.53	41	0	0	0	0
13180	CSA	N/A	2.19	231	2,674	23	N/A	0.44	72	0	0	0	0
13181	CSA	N/A	3.87	283	363	5	N/A	1.29	635	580	1	0	0
13183	CSA	N/A	6.72	338	1,618	9	N/A	0.47	34	0	0	0	0
13184	CSA	N/A	1.63	61	7,333	48	N/A	0.42	30	0	0	0	0
13185	CSA	N/A	2.54	212	8,591	74	N/A	7.81	1052	8147	38	0	0
13186	CSA	N/A	3.94	420	7,991	106	N/A	0.40	104	0	0	0	0
13187	CSA	N/A	6.07	546	254,629	596	N/A	4.48	629	5810	77	0	0
13188	CSA	N/A	5.20	451	189,166	615	N/A	5.25	594	817	29	0	0
13189	WSA	N/A	2.57	194	5,377	74	N/A	1.41	65	0	0	0	0
13190	WSA	N/A	7.97	597	179,658	663	N/A	8.47	404	6974	16	0	0

2016 Storm Implementation Plan and Annual Reliability Performance Reports

(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of URD Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 2015	(Z) Recorded Peak Load/Recorded through December 31 2016
Yes	1.13	0.64	0	0	0	1.13	50	0	0	-5.0%	8.8
Yes	8.14	0.47	0	0	0	8.14	67	0	0	10.6%	1.4
Yes	5.54	0.02	0	0	0	5.54	35	0	0	18.3%	3.3
Yes	4.19	0.00	0	0	0	4.19	24	0	0	6.9%	2.2
Yes	3.34	0.37	0	0	0	3.34	98	0	0	8.3%	7.9
Yes	3.52	0.05	0	0	0	3.52	21	0	0	4.7%	5.6
Yes	2.76	0.13	0	0	0	2.76	122	0	0	4.8%	6.1
Yes	2.34	0.04	0	0	0	2.34	70	5844	1294	8.0%	7.2
Yes	1.33	0.00	0	0	0	1.33	87	0	0	8.8%	7.5
Yes	2.06	1.12	0	0	0	2.06	65	0	0	6.1%	7.4
Yes	2.08	0.07	0	0	0	2.08	66	0	0	0.6%	4.8
Yes	0.88	0.34	0	0	0	0.88	66	0	0	-2.8%	3.6
Yes	2.01	0.06	0	0	0	2.01	122	23296	1670	17.4%	5.2
Yes	3.26	0.09	0	0	0	3.26	167	33178	1039	686.6%	5.8
Yes	0.78	0.29	0	0	0	0.78	23	0	0	22.2%	5.5
Yes	0.45	0.06	0	0	0	0.45	50	0	0	5.8%	2.6
Yes	1.50	0.00	0	0	0	1.50	168	293712	3919	-2.1%	7.2
Yes	1.60	0.06	0	0	0	1.60	180	14234	1057	2.2%	7.0
Yes	1.37	0.36	0	0	0	1.37	28	0	0	3.0%	5.8
Yes	0.05	0.19	0	0	0	0.05	3	0	0	-44.1%	1.8
Yes	4.23	0.66	0	45848	861	4.23	266	0	0	-1.7%	8.7
Yes	1.46	0.04	0	0	0	1.46	134	0	0	0.4%	7.2
Yes	2.09	1.72	0	0	0	2.09	5	48464	1173	-1.1%	9.8
Yes	2.85	2.64	0	0	0	2.85	11	0	0	5.6%	8.7
Yes	3.88	0.15	0	0	0	3.88	72	41462	1487	1.0%	7.7
Yes	1.47	0.02	0	0	0	1.47	20	0	0	7.6%	1.7
Yes	2.57	0.69	0	0	0	2.57	26	0	0	5.0%	3.5
Yes	2.45	0.59	0	0	0	2.45	11	0	0	5.4%	6.4
Yes	3.80	0.23	0	0	0	3.80	146	12049	1954	6.6%	8.6
Yes	3.35	0.38	0	0	0	3.35	93	0	0	0.6%	7.7
Yes	1.40	0.20	0	0	0	1.40	106	0	0	-1.1%	3.0
Yes	2.57	0.38	0	0	0	2.57	53	25812	374	-9.2%	4.9
Yes	0.86	0.56	0	0	0	0.86	43	3476	356	-4.3%	3.9
Yes	1.81	0.16	0	0	0	1.81	45	0	0	4.0%	6.6
Yes	1.01	0.22	0	0	0	1.01	45	33823	769	-9.5%	2.2
Yes	1.61	0.40	0	0	0	1.61	50	5221	98	-9.4%	1.7
Yes	1.18	0.06	0	0	0	1.18	71	124282	1351	6.1%	3.9
Yes	2.31	0.00	0	0	0	2.31	142	0	0	0.1%	2.9
Yes	2.23	0.07	0	0	0	2.23	127	52091	1305	-46.5%	4.8
Yes	2.62	0.02	0	0	0	2.62	102	77100	1133	-4.7%	5.4
Yes	1.86	0.01	0	0	0	1.86	77	0	0	1.0%	8.3
Yes	3.87	0.47	0	0	0	3.87	122	0	0	3.1%	7.4

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(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral	(N) Number of Automatic Line Sectionalizing Devices on the Feeder
13191	WSA	N/A	5.62	490	12,917	110	N/A	3.89	246	0	0	0	0
13192	WSA	N/A	4.24	216	8,999	52	N/A	7.77	781	0	0	0	0
13193	WSA	N/A	0.00	0	0	0	N/A	10.85	861	18328	48	0	0
13194	WSA	N/A	6.18	238	66,888	400	N/A	1.93	202	178	4	0	0
13195	WSA	N/A	0.45	25	0	0	N/A	0.37	18	0	0	0	0
13198	WSA	N/A	4.05	550	109,136	587	N/A	2.44	196	0	0	0	0
13199	WSA	N/A	4.71	776	21,207	104	N/A	0.71	142	0	0	0	0
13200	WSA	N/A	0.36	16	136	1	N/A	0.39	5	0	0	0	0
13201	WSA	N/A	2.75	369	9,457	64	N/A	0.66	453	8165	123	0	0
13204	CSA	N/A	5.23	519	17,707	149	N/A	4.22	1171	47386	245	0	0
13205	CSA	N/A	3.99	338	41,573	172	N/A	2.10	453	0	0	0	0
13206	WSA	N/A	10.28	1375	43,492	264	N/A	0.17	28	0	0	0	0
13207	WSA	N/A	9.52	973	38,885	259	N/A	0.50	31	0	0	0	0
13208	WSA	N/A	4.52	462	25,618	103	N/A	0.89	45	2223	21	0	0
13210	WSA	N/A	7.38	794	78,587	255	N/A	0.21	3	372	1	3	0
13211	ESA	N/A	1.97	76	249	3	N/A	6.82	740	9227	76	0	0
13213	ESA	N/A	20.31	897	55,131	465	N/A	10.42	546	13775	51	1	0
13214	ESA	N/A	6.07	434	4,776	45	N/A	4.13	227	678	1	0	0
13215	WSA	N/A	0.05	0	0	0	N/A	0.16	0	0	0	0	0
13217	WSA	N/A	2.96	314	15,404	106	N/A	1.62	185	0	0	0	0
13219	WSA	N/A	5.98	578	126,742	980	N/A	2.14	750	18665	54	0	0
13219	WSA	N/A	8.82	1161	95,375	708	N/A	2.08	365	9888	56	1	0
13220	CSA	N/A	4.58	456	48,891	668	N/A	1.45	288	1432	2	0	0
13221	CSA	N/A	3.81	103	22,747	182	N/A	5.58	1241	27622	189	0	0
13222	CSA	N/A	2.53	178	4,479	30	N/A	1.86	35	6775	59	0	0
13223	CSA	N/A	4.53	296	100,949	673	N/A	1.41	85	865	9	0	0
13224	ESA	N/A	10.11	928	138,890	1,065	N/A	1.25	265	0	0	0	0
13225	ESA	N/A	5.83	442	36,131	111	N/A	4.56	372	6234	20	0	0
13226	ESA	N/A	6.72	488	155,612	643	N/A	9.94	1199	23195	146	0	0
13227	ESA	N/A	6.23	441	61,774	747	N/A	9.01	665	5701	43	0	0
13228	ESA	N/A	3.97	263	2,772	32	N/A	4.60	760	34384	72	0	0
13229	ESA	N/A	8.28	647	62,312	352	N/A	4.24	585	0	0	0	0
13230	ESA	N/A	3.64	225	21,854	117	N/A	5.13	861	6636	25	0	0
13231	SHA	N/A	4.73	434	23,617	174	N/A	8.44	754	11190	94	0	0
13233	SHA	N/A	4.52	69	272	5	N/A	1.55	159	2249	6	6	0
13235	SHA	N/A	0.40	2	406	1	N/A	27.15	2200	12186	104	0	0
13236	SHA	N/A	70.57	650	267,722	551	N/A	22.22	1173	1010	1	0	0
13237	SHA	N/A	0.71	4	0	0	N/A	23.48	1697	0	0	0	0
13238	PCA	N/A	3.51	43	0	0	N/A	2.02	10	0	0	0	0
13241	PCA	N/A	11.20	867	9,737	65	N/A	4.75	587	6387	18	0	0
13242	PCA	N/A	10.87	314	19,346	82	N/A	3.41	366	0	0	1	0
13243	CSA	N/A	10.63	831	130,563	1,199	N/A	2.35	388	4673	12	0	0

2016 Storm Implementation Plan and Annual Reliability Performance Reports

(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 2015	(Z) Recorded Peak Load Recorded through December 31 2016
Yes	2.88	0.24	0	0	0	2.88	74	35146	818	2.3%	7.0
Yes	3.94	0.40	0	0	0	3.94	28	0	0	-0.9%	7.3
Yes	3.08	1.79	0	0	0	3.08	3	0	0	5.9%	3.8
Yes	1.23	0.12	0	0	0	1.23	19	17213	913	4.2%	2.6
Yes	0.65	1.43	0	0	0	0.65	30	0	0	-16.4%	4.6
Yes	2.59	0.34	0	0	0	2.59	179	27781	889	4.4%	4.8
Yes	0.41	0.10	0	0	0	0.41	15	0	0	1.4%	3.9
Yes	0.59	0.05	0	0	0	0.59	44	0	0	-9.8%	3.2
Yes	1.56	0.83	0	0	0	1.56	66	71871	1651	4.2%	5.8
Yes	2.29	0.24	0	0	0	2.29	131	0	0	87.8%	8.0
Yes	0.74	0.37	0	0	0	0.74	27	0	0	8.3%	3.0
Yes	0.88	0.15	0	0	0	0.88	80	0	0	0.9%	6.9
Yes	0.54	0.17	0	0	0	0.54	17	0	0	-1.7%	6.5
Yes	0.95	0.25	0	0	0	0.95	84	0	0	-8.6%	3.5
Yes	2.07	0.40	0	0	0	2.07	108	40939	889	3.4%	5.3
Yes	1.93	0.32	0	0	0	1.93	14	0	0	39.0%	10.6
Yes	3.92	1.31	0	209467	1567	3.92	133	0	0	0.3%	7.5
Yes	2.72	0.27	0	0	0	2.72	61	0	0	11.4%	4.4
Yes	0.67	0.99	0	0	0	0.67	0	0	0	0.0%	0.0
Yes	2.12	0.54	0	0	0	2.12	71	0	578	-18.9%	4.1
Yes	1.42	0.13	0	0	0	1.42	57	33861	2378	0.4%	4.4
Yes	2.57	0.08	0	0	0	2.57	164	56092	0	28.5%	7.9
Yes	1.37	0.17	0	0	0	1.37	21	0	1170	10.4%	3.1
Yes	2.84	0.53	0	0	0	2.84	39	25389	0	3.1%	4.0
Yes	1.96	0.00	0	0	0	1.96	38	0	0	7.6%	6.1
Yes	2.80	0.82	0	0	0	2.80	57	0	407	-1.3%	3.7
Yes	2.28	0.06	0	0	0	2.28	61	45414	0	4.4%	8.0
Yes	0.54	0.13	0	0	0	0.54	11	0	1742	3.6%	4.0
Yes	3.84	0.03	0	0	0	3.84	56	78360	821	9.0%	10.3
Yes	2.90	0.16	0	0	0	2.90	75	31936	1130	7.9%	6.0
Yes	3.34	0.10	0	0	0	3.34	88	54974	818	-1.8%	7.1
Yes	2.26	0.26	21	0	0	2.26	102	13360	0	5.8%	5.7
Yes	2.43	0.20	0	0	0	2.43	108	0	2613	-0.2%	5.1
Yes	3.34	0.04	0	0	0	3.34	95	9781	232	2.2%	6.1
Yes	1.47	3.19	0	0	0	1.47	5	1709	0	3.6%	0.9
Yes	5.13	2.92	0	0	0	5.13	3	0	5125	3.0%	9.1
Yes	7.24	3.74	0	0	0	7.24	63	100434	1579	25.2%	9.5
Yes	1.47	0.22	0	0	0	1.47	5	144373	162	-18.7%	7.3
Yes	2.35	0.00	0	0	0	2.35	1	10331	0	-1.0%	2.4
Yes	2.37	0.10	0	0	0	2.37	96	0	0	0.8%	6.2
Yes	3.49	0.00	0	0	0	3.49	83	0	0	2.6%	3.8
Yes	2.24	0.00	0	0	0	2.24	113	0	0	-1.1%	5.9

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(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Lines Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Lines Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral	(N) Number of Automatic Line Sectionalizing Devices on the Feeder
13250	CSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
13251	CSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
13252	CSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
13253	SHA	N/A	0.09	0	0	0	N/A	0.00	0	0	0	0	0
13254	SHA	N/A	23.05	544	29,439	266	N/A	11.52	897	11065	115	0	2
13256	CSA	N/A	21.70	498	100,975	503	N/A	7.09	771	27,672	95	0	0
13258	CSA	N/A	0.00	0	0	0	N/A	0.59	11	0	0	0	0
13259	CSA	N/A	0.00	0	0	0	N/A	1.38	10	0	0	0	0
13260	CSA	N/A	0.00	0	0	0	N/A	0.20	0	0	0	0	0
13261	CSA	N/A	0.00	0	0	0	N/A	1.25	5	0	0	0	0
13262	CSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
13263	CSA	N/A	0.00	0	0	0	N/A	0.05	0	0	0	0	0
13264	CSA	N/A	0.00	0	0	0	N/A	1.48	894	21,704	140	0	0
13265	WSA	N/A	0.00	0	0	0	N/A	0.46	7	0	0	0	0
13267	WSA	N/A	0.24	2	0	0	N/A	0.88	9	0	0	0	0
13268	WSA	N/A	0.61	4	0	0	N/A	3.38	0	0	0	0	0
13270	WHA	N/A	0.41	24	0	0	N/A	1.42	419	0	0	0	0
13275	WHA	N/A	0.00	0	0	0	N/A	2.35	2	0	0	0	0
13276	WHA	N/A	0.00	0	0	0	N/A	1.01	13	0	0	0	0
13278	WHA	N/A	7.82	626	21,300	160	N/A	1.50	93	97	1	0	0
13279	WHA	N/A	8.58	802	16,690	128	N/A	0.40	50	0	0	0	0
13280	WHA	N/A	2.78	87	6,788	26	N/A	0.05	13	0	0	0	0
13281	WHA	N/A	0.00	0	0	0	N/A	0.11	0	0	0	0	0
13282	WHA	N/A	0.00	0	0	0	N/A	0.10	3	0	0	0	0
13283	WHA	N/A	0.00	0	0	0	N/A	1.98	5	0	0	0	0
13288	WHA	N/A	1.11	88	3,224	114	N/A	1.97	117	3065	10	0	1
13289	WHA	N/A	3.92	245	8,676	62	N/A	1.29	288	4,748	31	0	0
13290	WHA	N/A	5.04	536	45,002	217	N/A	3.54	338	14,829	107	0	0
13291	WHA	N/A	3.89	314	5,034	37	N/A	1.72	484	13,637	34	0	0
13292	WHA	N/A	2.80	286	27,023	127	N/A	2.44	154	5,605	32	0	0
13293	WHA	N/A	8.37	908	5,603	91	N/A	2.59	369	0	0	0	0
13294	WHA	N/A	13.68	704	20,342	147	N/A	11.15	90	5,334	17	0	0
13295	WHA	N/A	2.82	249	11,429	86	N/A	10.40	906	19,159	82	0	0
13296	WHA	N/A	9.53	416	41,269	391	N/A	5.85	1051	22,342	168	0	1
13297	SHA	N/A	6.00	545	21,883	97	N/A	3.96	716	11,521	113	0	0
13298	SHA	N/A	13.20	1030	19,418	957	N/A	16.36	41	206	2	3	0
13299	SHA	N/A	17.79	534	4,195	63	N/A	19.87	817	1,047	5	0	0
13302	SHA	N/A	2.80	213	65,794	374	N/A	6.58	1410	40,183	243	0	0
13303	WHA	N/A	110.81	1683	745,808	2,669	N/A	18.66	443	683	3	0	0
13304	WHA	N/A	0.75	4	637	3	N/A	10.59	1366	82,364	1422	0	0
13305	WHA	N/A	24.94	581	69,641	572	N/A	3.47	203	0	0	0	0
13308	WHA	N/A	6.93	616	134,722	1,270	N/A	0.40	527	0	0	0	0

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Yes	0.00	0.00	0	0	0	0.00	0	0	0	0.0%	0.0
Yes	0.00	0.00	0	0	0	0.00	0	0	0	0.0%	0.0
Yes	0.00	0.02	0	0	0	0.00	0	0	0	0.0%	0.0
Yes	0.44	0.28	0	0	0	0.44	0	226	226	-23.1%	5.9
Yes	12.28	0.28	0	0	0	12.28	149	4177	0	-0.9%	5.2
Yes	1.75	0.29	0	0	0	1.75	2	0	0	4.5%	3.2
Yes	0.00	0.75	0	0	0	0.00	0	0	0	0.6%	4.8
Yes	0.00	1.11	0	0	0	0.00	0	0	0	-2.5%	4.1
Yes	0.00	0.74	0	0	0	0.00	0	0	0	38.8%	0.3
Yes	0.00	0.02	0	0	0	0.00	0	0	0	0.1%	1.7
Yes	0.00	0.15	0	0	0	0.00	0	0	0	0.0%	0.0
Yes	0.00	1.35	0	0	0	0.00	0	0	0	-16.1%	0.6
Yes	0.02	0.53	0	0	0	0.02	0	0	4	-0.9%	5.8
Yes	2.37	0.39	0	0	0	2.37	0	21	0	-12.9%	2.9
Yes	1.01	0.09	0	0	0	1.01	6	0	0	0.0%	6.2
Yes	1.31	0.07	0	0	0	1.31	0	0	470	0.0%	0.0
Yes	0.00	2.26	0	0	0	0.00	8	22967	0	-5.9%	1.8
Yes	0.00	1.69	0	0	0	0.00	0	0	0	-50.0%	1.6
Yes	3.91	0.19	0	0	0	3.91	0	0	931	112.2%	4.1
Yes	4.82	0.99	0	0	0	4.82	195	32801	428	-10.0%	4.5
Yes	2.46	0.21	0	0	0	2.46	195	6983	0	85.2%	6.3
Yes	0.01	1.03	0	0	0	0.01	49	0	0	-6.8%	3.8
Yes	0.01	0.93	0	0	0	0.01	0	0	0	3.3%	6.6
Yes	0.00	1.04	0	0	0	0.00	0	0	0	-8.4%	5.1
Yes	1.12	0.18	0	0	0	1.12	0	0	0	8.9%	3.5
Yes	2.78	0.17	0	0	0	2.78	30	0	0	1.1%	5.0
Yes	2.86	0.14	0	0	0	2.86	84	0	0	2.5%	3.5
Yes	1.37	0.00	0	0	0	1.37	163	0	0	0.2%	3.7
Yes	2.35	0.00	0	0	0	2.35	15	0	0	5.2%	5.2
Yes	3.41	0.07	0	0	0	3.41	116	0	0	-11.7%	3.0
Yes	5.34	0.31	0	0	0	5.34	130	0	0	-3.3%	4.4
Yes	3.11	0.91	0	0	0	3.11	144	0	0	-30.2%	6.9
Yes	4.17	0.20	0	0	0	4.17	42	0	70	5.3%	4.9
Yes	3.70	0.12	0	0	0	3.70	98	779	1880	11.9%	6.7
Yes	24.08	0.00	0	0	0	24.08	155	102530	1642	3.7%	5.5
Yes	5.44	3.32	0	0	0	5.44	102	116461	560	10.3%	5.9
Yes	1.51	1.36	0	0	0	1.51	55	35725	0	8.8%	6.1
Yes	5.44	0.28	0	0	0	5.44	6	0	4154	1.9%	6.2
Yes	1.88	2.06	0	0	0	1.88	42	134173	0	3.4%	8.3
Yes	5.13	0.95	0	0	47590	1325	5	0	1175	9.2%	4.8
Yes	3.18	0.05	0	0	0	3.18	49	95881	781	9.9%	3.0
Yes	1.76	0.04	0	0	0	1.76	137	42095	496	-7.6%	5.8

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(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Lines Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Lines Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral	(N) Number of Automatic Line Sectionalizing Devices on the Feeder
13309	WHA	N/A	3.58	346	46,088	290	N/A	0.54	37	1723	3	0	0
13310	WHA	N/A	2.10	331	13,231	131	N/A	0.53	111	353	2	0	0
13311	WHA	N/A	5.70	600	52,367	192	N/A	2.27	108	40	1	0	0
13312	WHA	N/A	4.89	463	101,583	642	N/A	1.16	380	0	0	0	0
13313	WSA	N/A	2.71	321	5,157	63	N/A	2.12	108	0	0	0	0
13314	WSA	N/A	2.98	101	5,751	29	N/A	0.49	303	57	1	0	0
13315	WSA	N/A	0.00	0	0	0	N/A	5.25	16	0	0	0	0
13317	WSA	N/A	0.83	1	138,910	1,633	N/A	0.00	1032	17,152	58	0	0
13318	WSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
13319	WSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
13320	WSA	N/A	0.00	0	0	0	N/A	1.67	0	0	0	0	0
13321	ESA	N/A	0.00	0	0	0	N/A	1.62	5	0	0	0	0
13322	ESA	N/A	0.10	0	0	0	N/A	0.96	505	821	2	0	0
13323	ESA	N/A	1.78	216	2,917	11	N/A	0.39	49	6306	138	0	0
13324	ESA	N/A	6.28	219	10,878	97	N/A	0.54	10	710	2	0	0
13325	DCA	N/A	1.94	15	507	2	N/A	2.81	10	0	0	0	0
13326	DCA	N/A	8.51	271	62,866	583	N/A	1.16	69	0	0	0	0
13327	DCA	N/A	2.72	19	0	0	N/A	0.67	6	302	1	0	0
13328	DCA	N/A	6.23	497	15,744	291	N/A	0.55	36	0	0	0	0
13329	WSA	N/A	8.10	566	16,741	216	N/A	9.06	63	0	0	0	1
13330	WSA	N/A	35.65	1231	56,942	440	N/A	4.45	451	1330	6	4	0
13331	WSA	N/A	27.29	1120	58,738	315	N/A	8.23	159	3253	34	0	0
13332	WSA	N/A	2.69	105	90,633	1,070	N/A	2.51	1541	1334	2	0	0
13333	WSA	N/A	1.53	129	5,851	56	N/A	1.17	330	37309	86	0	0
13334	WSA	N/A	4.35	621	18,361	317	N/A	2.61	225	0	0	0	0
13335	WSA	N/A	1.95	34	0	0	N/A	2.84	26	61	1	0	0
13336	WSA	N/A	2.50	50	31,936	297	N/A	4.63	198	46	1	0	0
13337	SHA	N/A	2.80	206	4,437	27	N/A	1.90	1918	13102	78	0	0
13338	SHA	N/A	3.42	133	5,574	33	N/A	5.47	212	9242	24	0	0
13339	SHA	N/A	0.48	3	47,274	785	N/A	18.84	1269	34782	257	0	0
13340	SHA	N/A	3.69	36	2,725	14	N/A	16.04	1648	0	0	0	0
13341	SHA	N/A	6.23	158	41,928	379	N/A	7.57	1546	4787	68	0	0
13342	CSA	N/A	9.26	378	56,622	287	N/A	18.62	770	5744	84	0	0
13343	CSA	N/A	0.04	0	0	0	N/A	10.19	1502	9144	73	0	0
13344	CSA	N/A	2.63	61	94,953	450	N/A	5.64	1195	0	0	0	0
13348	CSA	N/A	3.74	576	39,014	208	N/A	1.86	1714	48308	144	1	0
13349	CSA	N/A	1.09	5	18,056	93	N/A	1.68	364	972	5	0	0
13350	CSA	N/A	0.15	67	2,751	19	N/A	6.43	383	4697	46	0	0
13351	CSA	N/A	3.09	408	111,794	1,025	N/A	5.23	1537	107370	525	0	0
13352	CSA	N/A	1.03	77	27,446	210	N/A	0.75	1488	34852	182	0	0
13353	WSA	N/A	0.00	0	0	0	N/A	6.22	62	0	0	0	0
13354	WSA	N/A	2.12	113	231	5	N/A	0.19	1424	1896	12	0	0

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(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 2015	(Z) Recorded Peak Load Recorded through December 31 2016
Yes	1.31	0.05	0	0	0	1.31	51	6643	0	-6.4%	3.3
Yes	2.91	0.06	0	0	0	2.91	18	0	2142	1.5%	2.9
Yes	2.55	0.04	0	0	0	2.55	131	127449	0	-4.9%	3.9
Yes	1.54	0.45	0	0	0	1.54	56	0	0	0.2%	7.2
Yes	1.18	0.32	0	0	0	1.18	40	0	0	-3.5%	4.9
Yes	0.00	0.38	0	0	0	0.00	27	0	0	11.9%	4.1
Yes	0.93	2.49	0	0	0	0.93	0	0	2145	5.2%	1.4
Yes	0.00	1.21	0	0	0	0.00	6	119057	0	-5.1%	4.7
Yes	0.00	0.92	0	0	0	0.00	0	0	0	-100.0%	0.0
Yes	0.00	1.14	0	0	0	0.00	0	0	0	-100.0%	0.0
Yes	0.00	1.88	0	0	0	0.00	0	0	0	-100.0%	0.0
Yes	0.35	2.31	0	0	0	0.35	0	0	0	-9.8%	3.7
Yes	1.08	0.82	0	0	0	1.08	1	0	324	17.5%	3.8
Yes	3.68	0.10	0	0	0	3.68	65	2062	0	5.1%	1.9
Yes	1.54	0.11	0	0	0	1.54	34	0	0	1.0%	4.2
Yes	5.69	0.01	0	0	0	5.69	10	0	0	62.5%	4.2
Yes	1.28	0.00	0	0	0	1.28	52	0	0	-4.6%	7.7
Yes	1.33	0.07	0	0	0	1.33	7	0	570	9.1%	2.4
Yes	2.83	0.06	0	0	0	2.83	30	46151	761	-7.0%	2.7
Yes	4.63	0.20	0	0	0	4.63	136	19925	1839	-4.7%	4.1
Yes	3.79	0.11	0	0	0	3.79	149	3831	2723	7.4%	6.8
Yes	1.83	0.06	0	0	0	1.83	103	427923	1732	-6.8%	3.7
Yes	2.07	0.18	0	0	0	2.07	60	78055	0	6.0%	5.1
Yes	2.06	0.13	0	0	0	2.06	75	0	907	-0.4%	4.1
Yes	0.70	0.18	0	0	0	0.70	63	33725	64	12.1%	5.2
Yes	1.38	0.18	0	0	0	1.38	4	210	0	2.7%	4.6
Yes	2.53	0.17	0	0	0	2.53	4	0	2359	-3.5%	5.1
Yes	3.21	0.14	0	0	0	3.21	162	108985	334	3.2%	6.3
Yes	0.41	1.04	0	0	0	0.41	28	22478	0	-5.4%	4.5
Yes	5.01	5.53	0	0	0	5.01	0	0	1	1.7%	7.6
Yes	7.24	0.78	0	0	0	7.24	18	111	0	-1.3%	4.1
Yes	4.81	0.12	0	0	0	4.81	43	0	1638	3.8%	10.0
Yes	1.10	1.54	0	0	0	1.10	41	27268	2124	24.5%	7.3
Yes	3.69	1.05	0	0	0	3.69	7	175621	0	5.7%	6.9
Yes	2.40	0.32	0	0	0	2.40	11	0	1607	3.8%	6.9
Yes	0.78	0.59	0	0	0	0.78	213	81260	0	4.3%	6.6
Yes	0.31	0.40	0	0	0	0.31	7	0	0	-2.8%	2.8
Yes	1.08	0.30	0	0	0	1.08	9	0	0	-27.3%	2.7
Yes	1.04	0.86	0	0	0	1.04	25	0	1598	1.3%	5.3
Yes	0.00	1.41	0	0	0	0.00	39	4554	0	7.8%	4.3
Yes	2.17	0.07	0	0	0	2.17	0	0	1601	-8.3%	1.2
Yes	0.27	0.73	0	0	0	0.27	50	7284	0	-1.9%	7.2

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13355	WSA	N/A	0.00	0	0	0	N/A	1.29	3	0	0	0	2
13358	CSA	N/A	4.26	891	61,830	353	N/A	2.26	516	0	0	0	0
13359	CSA	N/A	6.12	663	24,735	159	N/A	0.05	166	0	0	2	0
13360	CSA	N/A	0.11	6	0	0	N/A	1.47	47	0	0	0	0
13362	CSA	N/A	0.00	0	0	0	N/A	5.63	195	0	0	0	0
13363	CSA	N/A	0.62	20	7,431	143	N/A	5.49	2239	44691	307	0	1
13364	CSA	N/A	0.58	7	4,568	46	N/A	7.47	1610	27390	198	0	0
13365	CSA	N/A	2.08	344	28,801	333	N/A	0.60	905	0	0	0	0
13366	CSA	N/A	0.00	0	0	0	N/A	8.75	6	0	0	0	0
13367	WHA	N/A	1.11	37	0	0	N/A	0.00	2194	7256	62	0	0
13368	WHA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	1
13369	WHA	N/A	0.00	0	0	0	N/A	5.01	0	0	0	0	0
13370	WHA	N/A	8.58	752	37,105	226	N/A	7.53	360	1002	2	2	0
13371	WSA	N/A	8.86	435	114,977	463	N/A	1.09	683	3631	27	0	1
13372	WSA	N/A	2.39	228	1,256	10	N/A	2.41	55	0	0	0	0
13373	WSA	N/A	18.79	1679	32,002	269	N/A	0.03	254	75326	158	0	0
13375	WSA	N/A	0.01	0	0	0	N/A	0.28	0	0	0	0	4
13376	WSA	N/A	0.00	0	0	0	N/A	2.04	6	0	0	0	0
13377	WSA	N/A	4.10	928	140,050	865	N/A	0.00	165	0	0	5	0
13378	WSA	N/A	0.00	0	0	0	N/A	1.28	0	0	0	0	0
13379	WSA	N/A	6.30	947	22,694	163	N/A	0.19	119	94	2	9	0
13381	WSA	N/A	0.00	0	0	0	N/A	0.10	2	0	0	0	0
13382	WSA	N/A	0.00	0	0	0	N/A	0.87	0	0	0	0	0
13383	PCA	N/A	0.00	0	0	0	N/A	0.01	4	0	0	0	0
13384	PCA	N/A	0.03	0	0	0	N/A	0.00	3	0	0	0	0
13385	PCA	N/A	0.00	0	0	0	N/A	6.90	0	0	0	0	0
13388	PCA	N/A	17.59	466	43,642	241	N/A	1.59	164	3967	21	0	0
13389	CSA	N/A	17.10	893	62,172	350	N/A	4.64	51	697	4	0	4
13390	CSA	N/A	33.45	1145	251,822	1,704	N/A	7.19	369	8533	74	0	0
13391	CSA	N/A	47.90	1095	104,846	785	N/A	0.48	331	4883	26	10	0
13397	CSA	N/A	0.42	55	9,440	42	N/A	0.79	79	400	1	0	0
13398	WSA	N/A	0.48	11	0	0	N/A	0.60	826	523	5	0	0
13399	WSA	N/A	1.16	46	73	1	N/A	2.04	457	0	0	0	0
13400	PCA	N/A	2.58	69	10,347	112	N/A	2.11	914	7440	93	0	0
13405	PCA	N/A	9.09	174	22,158	97	N/A	5.98	111	928	4	0	0
13406	CSA	N/A	1.32	29	1,064	3	N/A	0.88	261	12250	89	0	1
13412	CSA	N/A	4.69	272	300	2	N/A	1.68	33	62	1	0	0
13414	CSA	N/A	9.54	679	8,341	116	N/A	1.27	114	0	0	0	0
13417	CSA	N/A	4.82	595	3,514	24	N/A	0.62	61	0	0	0	0
13418	DCA	N/A	9.14	1120	91,064	247	N/A	0.62	191	5004	17	0	0
13419	DCA	N/A	10.63	1314	30,515	263	N/A	5.20	73	404	2	0	2
13420	WSA	N/A	3.89	398	88,606	209	N/A	8.60	1449	33937	357	0	0

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Yes	1.71	0.41	0	190	3	1.71	2	0	1645	-7.1%	6.1
Yes	2.07	1.09	0	0	0	2.07	223	7018	540	0.0%	8.1
Yes	0.82	0.78	0	0	0	0.82	85	18135	0	0.0%	5.8
Yes	0.66	0.53	0	0	0	0.66	2	0	0	11.3%	0.1
Yes	1.15	0.27	0	0	0	1.15	8	2314	0	7.3%	6.8
Yes	1.44	0.09	0	0	0	1.44	16	96725	0	6.8%	4.5
Yes	3.58	1.66	0	0	0	3.58	26	0	0	2.2%	4.0
Yes	0.39	0.90	0	0	0	0.39	13	0	0	21.9%	6.7
Yes	1.46	0.29	0	0	0	1.46	4	0	2238	36.3%	6.9
Yes	0.00	0.09	0	0	0	0.00	13	134876	0	8.2%	7.8
Yes	0.00	0.15	0	0	0	0.00	0	0	0	-49.5%	1.3
Yes	2.70	0.18	0	0	0	2.70	0	0	1310	2.7%	4.6
Yes	2.47	0.39	0	0	0	2.47	132	4323	2343	-25.9%	6.4
Yes	1.22	0.11	0	0	0	1.22	59	78133	0	-16.5%	5.5
Yes	4.39	0.85	0	0	0	4.39	17	0	10665	-6.6%	5.8
Yes	0.00	0.88	0	0	0	0.00	232	1536713	0	67.2%	8.5
Yes	0.00	0.83	0	0	0	0.00	0	0	0	4.5%	1.7
Yes	2.20	0.83	0	0	0	2.20	0	0	319	-7.1%	1.2
Yes	0.00	0.00	0	0	0	0.00	84	24690	0	0.1%	5.7
Yes	0.57	0.59	0	0	0	0.57	0	0	0	-1.1%	0.0
Yes	0.00	0.34	0	0	0	0.00	35	0	2	2.4%	4.6
Yes	0.00	0.93	0	0	0	0.00	0	350	0	4.8%	3.7
Yes	0.00	1.12	0	0	0	0.00	0	0	0	3.1%	4.8
Yes	0.00	0.77	0	443	3	0.00	0	0	0	0.9%	0.0
Yes	0.00	0.00	0	0	0	0.00	0	0	0	2.7%	3.1
Yes	4.02	0.89	0	0	0	4.02	0	0	734	-0.6%	0.0
Yes	6.26	0.04	0	0	0	6.26	98	37293	0	-6.4%	5.1
Yes	6.24	0.30	0	0	0	6.24	167	0	993	-4.3%	4.4
Yes	8.90	1.47	0	0	0	8.90	235	64752	0	5.2%	6.3
Yes	0.96	0.07	0	0	0	0.96	177	0	0	2.9%	7.1
Yes	0.25	1.41	0	0	0	0.25	51	0	0	-6.9%	2.0
Yes	0.13	0.54	0	0	0	0.13	3	0	0	7.7%	2.4
Yes	1.36	1.10	0	0	0	1.36	14	0	864	-5.9%	2.0
Yes	2.43	0.53	0	0	0	2.43	33	56044	293	-0.5%	4.7
Yes	4.21	0.37	0	0	0	4.21	21	24216	0	0.7%	1.5
Yes	3.86	0.05	0	0	0	3.86	26	0	0	-11.6%	3.4
Yes	2.65	0.04	0	0	0	2.65	62	0	913	13.4%	7.9
Yes	2.85	0.39	0	0	0	2.85	118	78746	7453	0.8%	5.3
Yes	1.73	0.21	0	0	0	1.73	141	108162	0	2.0%	4.7
Yes	1.50	0.29	0	0	0	1.50	151	0	3124	8.7%	6.0
Yes	2.03	0.10	0	0	0	2.03	140	39678	0	10.9%	7.0
Yes	7.73	0.15	0	0	0	7.73	118	0	3547	11.8%	6.4

2016 Storm Implementation Plan and Annual Reliability Performance Reports

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral	(N) Number of Automatic Line Sectionalizing Devices on the Feeder
13422	WSA	N/A	29.29	890	163,753	1,064	N/A	3.88	415	2120	5	0	0
13423	WSA	N/A	28.06	622	69,472	175	N/A	9.49	548	80	1	0	0
13425	WSA	N/A	0.08	1	24,228	285	N/A	11.96	1013	47918	456	0	0
13426	DCA	N/A	5.73	390	21,961	229	N/A	3.97	1336	3175	21	0	0
13427	DCA	N/A	0.00	0	0	0	N/A	8.84	288	3477	10	0	1
13428	ESA	N/A	1.30	51	69,450	1,331	N/A	10.86	1160	28310	164	0	1
13431	ESA	N/A	38.21	676	27,673	169	N/A	16.95	422	970	9	0	0
13432	ESA	N/A	3.89	53	1,302	10	N/A	3.54	579	276	1	0	1
13433	ESA	N/A	9.06	274	23,411	85	N/A	4.34	241	0	0	0	0
13434	SHA	N/A	9.85	804	105,153	368	N/A	1.92	559	7828	45	0	1
13435	SHA	N/A	8.32	371	23,184	164	N/A	2.53	366	0	0	0	0
13436	SHA	N/A	7.31	358	183,916	449	N/A	22.14	189	13401	40	0	0
13438	WHA	N/A	0.40	95	64,612	1,732	N/A	7.00	2954	21087	67	0	0
13439	WHA	N/A	2.85	318	40,471	261	N/A	6.55	513	0	0	0	0
13440	WHA	N/A	4.55	10	822	3	N/A	20.87	446	12971	50	0	0
13442	WSA	N/A	13.85	577	39,420	664	N/A	6.39	1332	6709	40	0	0
13443	WSA	N/A	5.57	113	2,834	45	N/A	1.61	731	455	2	0	0
13444	WSA	N/A	4.00	317	11,449	139	N/A	0.68	191	9230	20	0	0
13446	WSA	N/A	0.01	4	0	0	N/A	1.03	78	0	0	0	0
13447	WSA	N/A	1.62	49	7,936	31	N/A	1.85	49	0	0	0	0
13448	WSA	N/A	1.33	108	2,488	33	N/A	1.17	466	0	0	0	0
13449	WSA	N/A	2.74	243	89,652	311	N/A	1.72	172	12275	73	0	0
13450	WSA	N/A	0.66	25	2,780	33	N/A	2.48	62	240	21	0	0
13451	ESA	N/A	0.17	1	5,762	16	N/A	0.18	95	5680	56	0	0
13452	ESA	N/A	0.19	5	1,167	8	N/A	4.93	5	0	0	0	0
13453	ESA	N/A	0.35	5	61	1	N/A	12.24	24	0	0	0	0
13454	ESA	N/A	4.27	227	135,275	852	N/A	3.05	1403	29190	165	0	0
13455	ESA	N/A	2.95	197	20,343	153	N/A	3.01	632	42753	111	0	0
13456	ESA	N/A	1.74	142	9,178	24	N/A	5.14	811	391	1	0	1
13457	ESA	N/A	2.30	107	32,919	184	N/A	4.24	680	26302	311	0	1
13458	ESA	N/A	14.85	422	15,546	65	N/A	12.12	78	0	0	1	0
13459	PCA	N/A	10.70	346	71,856	299	N/A	3.21	481	1336	10	1	1
13460	PCA	N/A	37.65	900	101,683	698	N/A	6.90	222	1417	16	3	0
13461	PCA	N/A	27.06	886	84,487	520	N/A	9.14	221	1194	7	20	0
13462	CSA	N/A	4.44	209	3,852	66	N/A	0.20	684	0	0	0	0
13463	CSA	N/A	1.62	239	20,416	64	N/A	1.08	15	899	2	0	0
13464	CSA	N/A	3.77	243	11,366	70	N/A	0.75	167	0	0	0	0
13466	CSA	N/A	2.19	179	4,237	12	N/A	0.06	60	0	0	0	0
13467	WHA	N/A	0.00	0	1,171	2	N/A	2.72	0	0	0	0	0
13468	WHA	N/A	5.64	652	5,755	54	N/A	7.15	730	12497	170	1	1
13469	WHA	N/A	2.02	90	1,310	6	N/A	5.75	643	8850	128	0	0
13470	WHA	N/A	39.67	2019	103,456	1,599	N/A	2.55	251	73	1	0	0

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(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 2015	(Z) Recorded Peak Load Recorded through December 31 2016
Yes	2.54	0.18	0	0	0	2.54	115	317777	964	-4.4%	5.7
Yes	0.81	0.14	0	0	0	0.81	58	115389	0	-2.3%	3.7
Yes	1.07	0.07	0	0	0	1.07	5	0	0	7.8%	4.6
Yes	0.09	0.07	0	0	0	0.09	15	0	0	-2.1%	6.9
Yes	2.54	0.35	0	0	0	2.54	0	83	83	40.5%	1.2
Yes	4.35	0.78	0	0	0	4.35	61	2597	3234	6.8%	5.2
Yes	2.35	0.00	0	0	0	2.35	91	101747	1350	61.4%	5.6
Yes	3.19	0.25	0	0	0	3.19	39	61897	569	3.4%	6.5
Yes	4.15	0.10	0	0	0	4.15	49	2816	0	0.9%	5.3
Yes	3.52	0.12	0	0	0	3.52	203	0	0	11.6%	7.5
Yes	3.12	0.12	0	0	0	3.12	45	0	1438	52.9%	6.0
Yes	1.82	3.54	0	0	0	1.82	155	166249	1188	-1.7%	4.0
Yes	3.41	0.65	0	0	0	3.41	12	109958	900	1.3%	8.4
Yes	6.02	0.57	0	0	0	6.02	145	52875	469	0.7%	5.6
Yes	2.75	0.14	0	0	0	2.75	14	33666	0	-2.7%	4.1
Yes	2.17	0.04	0	0	0	2.17	82	0	0	6.8%	8.4
Yes	2.25	0.23	0	0	0	2.25	45	0	0	6.0%	3.8
Yes	0.00	1.25	0	0	0	0.00	116	0	0	6.1%	2.9
Yes	0.81	0.13	0	0	0	0.81	0	0	0	-1.0%	3.0
Yes	0.47	0.68	0	0	0	0.47	16	0	0	-7.5%	6.0
Yes	0.78	0.89	0	0	0	0.78	18	0	0	-0.6%	3.6
Yes	1.23	1.00	0	0	0	1.23	26	0	193	0.5%	5.4
Yes	0.89	0.29	0	4447	89	0.89	48	1710	74	14.6%	7.9
Yes	0.61	0.15	0	0	0	0.61	13	4364	0	-3.6%	4.6
Yes	0.47	2.90	0	0	0	0.47	28	0	0	1.9%	1.0
Yes	2.19	0.12	0	0	0	2.19	12	0	1799	-4.2%	6.6
Yes	1.95	0.13	0	641	31	1.95	39	57508	0	0.6%	6.6
Yes	1.78	0.71	0	0	0	1.78	37	0	1006	-3.7%	4.2
Yes	2.48	0.07	0	0	0	2.48	37	51557	0	3.9%	4.7
Yes	7.67	0.58	0	0	0	7.67	68	0	0	-6.0%	4.1
Yes	4.71	1.68	0	0	0	4.71	91	0	1732	-9.2%	2.6
Yes	7.16	0.12	0	0	0	7.16	102	107993	1189	-5.1%	4.2
Yes	6.73	0.17	0	0	0	6.73	67	23661	1186	-2.6%	4.7
Yes	3.66	0.29	0	0	0	3.66	104	33603	0	5.9%	7.0
Yes	2.93	0.02	0	0	0	2.93	72	0	949	1.2%	9.6
Yes	1.66	0.10	0	0	0	1.66	65	118050	0	-79.9%	1.3
Yes	1.65	0.12	0	0	0	1.65	56	0	0	-2.5%	2.2
Yes	0.02	1.88	0	0	0	0.02	65	0	297	3.6%	3.9
Yes	2.55	0.10	0	0	0	2.55	0	1737	1399	13.0%	1.5
Yes	3.54	0.48	0	0	0	3.54	84	28679	0	3.1%	4.5
Yes	5.11	0.26	0	0	0	5.11	44	0	1446	12.4%	8.5
Yes	3.15	0.22	0	0	0	3.15	112	37559	698	-0.5%	8.7

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13471	WSA	N/A	3.72	350	13,578	101	N/A	2.39	289	17,856	110	0	0
13473	WSA	N/A	9.63	497	8,694	53	N/A	3.97	162	0	0	0	0
13479	WSA	N/A	9.24	433	9,801	45	N/A	11.36	245	0	0	0	0
13480	WSA	N/A	0.76	9	19,395	50	N/A	6.51	1,597	27,887	202	0	0
13481	WSA	N/A	0.00	0	0	0	N/A	15.51	748	1,393	15	0	0
13482	WSA	N/A	0.89	11	64,435	764	N/A	14.67	1,571	20,080	114	0	0
13483	SHA	N/A	3.06	349	11,998	103	N/A	10.26	1,196	34,427	218	0	0
13484	SHA	N/A	0.20	4	1,046	3	N/A	7.29	1,378	30,297	227	0	0
13485	WSA	N/A	2.93	115	47,310	412	N/A	18.88	739	12,2874	459	0	2
13488	WSA	N/A	0.94	81	11,882	79	N/A	3.75	2,506	34,543	258	0	0
13489	WSA	N/A	7.72	267	11,620	120	N/A	3.56	213	19,417	60	0	0
13490	WSA	N/A	2.84	403	15,856	56	N/A	9.69	415	0	0	0	0
13491	SHA	N/A	2.78	99	17,473	67	N/A	2.43	1,586	42,199	286	0	0
13492	ESA	N/A	5.25	545	58,289	213	N/A	3.70	221	0	0	0	0
13493	CSA	N/A	2.16	254	59,093	125	N/A	3.40	314	1,412	23	0	0
13494	CSA	N/A	0.32	2	0	0	N/A	5.93	411	0	0	0	0
13495	CSA	N/A	16.40	1,025	95,660	697	N/A	2.16	680	51,094	406	4	0
13496	CSA	N/A	1.10	68	6,351	32	N/A	0.89	201	116	1	0	0
13497	ESA	N/A	0.00	0	1,171	2	N/A	0.45	12	0	0	0	0
13498	ESA	N/A	0.00	0	0	0	N/A	0.74	1	0	0	0	0
13499	ESA	N/A	0.09	0	519	3	N/A	0.00	46	0	0	0	0
13500	ESA	N/A	0.00	0	0	0	N/A	1.99	0	0	0	0	0
13501	ESA	N/A	0.90	14	7,379	28	N/A	8.34	58	0	0	0	0
13502	ESA	N/A	3.79	185	10,609	41	N/A	1.30	1,434	39848	104	0	0
13504	ESA	N/A	0.18	3	0	0	N/A	5.65	12	0	0	0	0
13505	ESA	N/A	3.30	184	87,390	1,076	N/A	4.16	814	0	0	0	0
13506	WSA	N/A	2.58	86	25,378	139	N/A	1.76	567	0	0	0	0
13507	WSA	N/A	0.02	0	0	0	N/A	10.77	30	0	0	0	0
13509	WSA	N/A	6.84	284	2,077	11	N/A	8.21	1,174	5,029	35	0	0
13510	WSA	N/A	3.47	365	11,399	107	N/A	4.01	1,104	19,317	87	0	0
13511	WSA	N/A	3.35	376	5,566	23	N/A	7.85	299	1,243	3	0	0
13512	WSA	N/A	3.53	417	33,457	229	N/A	1.48	1,359	2,163	7	0	0
13513	WSA	N/A	0.86	25	3,711	10	N/A	3.43	247	0	0	0	0
13514	WSA	N/A	1.89	232	3,197	61	N/A	3.75	344	2,164	6	0	0
13516	WSA	N/A	4.02	482	18,055	67	N/A	3.36	367	1,110	5	0	0
13517	WSA	N/A	4.21	431	160,364	566	N/A	0.25	1,023	46,537	226	0	0
13518	WSA	N/A	0.37	24	1,071	2	N/A	0.05	2	0	0	0	0
13519	WSA	N/A	0.49	10	152	2	N/A	2.45	87	410	1	0	0
13520	WSA	N/A	1.36	136	119	3	N/A	1.65	406	221	1	0	0
13521	WSA	N/A	0.01	0	174	1	N/A	0.69	15	0	0	0	0
13522	WSA	N/A	10.84	1,320	56,911	553	N/A	0.05	170	0	0	0	0
13523	WSA	N/A	4.31	571	13,527	89	N/A	1.50	2	0	0	0	0

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Yes	2.42	0.02	0	0	0	2.42	75	79432	676	1.0%	2.8
Yes	4.75	0.05	0	0	0	4.75	42	33901	0	-0.7%	3.2
Yes	0.94	0.05	0	0	0	0.94	103	0	0	4.3%	4.5
Yes	3.02	2.64	0	0	0	3.02	6	0	0	-4.4%	5.0
Yes	1.85	0.56	0	0	0	1.85	3	0	4107	10.4%	4.0
Yes	0.30	1.49	0	0	0	0.30	6	188834	0	2.2%	7.3
Yes	3.06	0.73	0	0	0	3.06	3	0	2836	-3.1%	5.9
Yes	2.40	0.16	0	0	0	2.40	21	168356	0	9.9%	4.9
Yes	2.57	0.83	0	0	0	2.57	18	0	0	-6.4%	5.5
Yes	2.81	0.82	0	0	0	2.81	202	0	1102	0.1%	6.5
Yes	1.86	0.07	0	16814	551	1.86	52	27247	910	1.0%	4.6
Yes	2.65	0.13	0	0	0	2.65	86	147677	0	4.8%	4.3
Yes	1.74	0.28	0	0	0	1.74	49	0	0	1.8%	5.4
Yes	1.59	0.38	0	0	0	1.59	35	0	647	3.3%	5.9
Yes	1.59	0.86	0	0	0	1.59	89	5283	0	12.5%	2.9
Yes	5.93	0.01	0	0	0	5.93	8	0	595	3.9%	2.3
Yes	1.87	1.24	0	0	0	1.87	135	14055	288	23.4%	10.0
Yes	0.40	2.19	0	0	0	0.40	10	464	0	6.0%	5.3
Yes	0.00	1.12	0	133	16	0.00	4	0	1	-1.6%	5.4
Yes	1.59	1.92	0	0	0	1.59	0	69	0	76.6%	9.6
Yes	0.00	0.00	0	0	0	0.00	3	0	0	19.4%	6.9
Yes	1.84	0.21	0	0	0	1.84	0	0	0	0.0%	0.0
Yes	2.39	1.13	0	0	0	2.39	9	0	0	8.2%	4.3
Yes	0.83	1.30	0	0	0	0.83	61	0	0	1.9%	7.3
Yes	1.47	0.80	0	0	0	1.47	2	0	1039	-4.3%	4.3
Yes	1.74	1.30	0	42854	1024	1.74	45	54671	0	0.4%	6.0
Yes	0.17	1.38	0	0	0	0.17	23	0	0	-2.1%	4.8
Yes	3.39	0.92	0	0	0	3.39	0	0	1491	26.0%	4.7
Yes	1.78	0.07	0	123481	1506	1.78	49	3006	4136	5.0%	7.1
Yes	1.94	0.39	0	0	0	1.94	37	260908	0	3.4%	5.9
Yes	2.00	0.29	0	0	0	2.00	98	0	0	-2.9%	5.5
Yes	0.39	0.56	0	0	0	0.39	35	0	0	-0.4%	6.1
Yes	3.26	0.11	0	0	0	3.26	9	0	0	-6.6%	4.4
Yes	1.82	0.12	0	0	0	1.82	36	0	0	-17.2%	4.5
Yes	1.69	0.07	0	0	0	1.69	75	0	0	5.1%	4.9
Yes	0.97	0.16	0	0	0	0.97	21	0	0	-1.3%	6.6
Yes	0.97	0.02	0	0	0	0.97	56	0	0	1.1%	4.2
Yes	1.75	0.37	0	0	0	1.75	59	0	1699	-8.7%	1.1
Yes	0.31	0.17	0	0	0	0.31	36	41224	0	1.8%	4.6
Yes	1.11	0.28	0	0	0	1.11	9	0	1517	-2.0%	3.6
Yes	1.59	0.23	0	0	0	1.59	142	14967	0	-3.5%	6.5
Yes	0.93	0.33	0	0	0	0.93	217	0	867	-1.6%	3.1

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13524	WSA	N/A	0.90	104	118	1	N/A	0.00	96	0	0	0	0
13526	WSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
13530	WSA	N/A	5.51	864	44,593	593	N/A	3.99	0	0	0	0	0
13531	WSA	N/A	2.72	59	47,523	71	N/A	0.99	141	3657	8	0	0
13532	WSA	N/A	4.21	343	566,498	576	N/A	6.19	70	728	1	0	0
13533	WSA	N/A	2.39	218	24,919	263	N/A	14.91	1489	25902	165	0	0
13535	WSA	N/A	5.34	291	46,414	521	N/A	13.71	1796	56265	250	0	0
13538	WSA	N/A	0.23	5	7,566	39	N/A	11.87	893	22788	119	0	0
13539	WSA	N/A	0.84	13	1,943	8	N/A	6.73	1015	10521	56	0	0
13540	CSA	N/A	0.21	5	3,244	47	N/A	14.96	693	0	0	0	0
13541	CSA	N/A	0.00	0	0	0	N/A	4.26	989	66937	469	0	0
13544	CSA	N/A	0.87	54	5,835	33	N/A	2.35	638	374	5	0	0
13546	CSA	N/A	7.27	298	989	5	N/A	1.37	44	0	0	0	0
13547	CSA	N/A	4.02	296	24,798	125	N/A	0.01	19	7165	82	0	0
13551	CSA	N/A	0.05	1	0	0	N/A	0.99	0	0	0	0	0
13552	CSA	N/A	2.74	46	130	1	N/A	1.52	18	0	0	0	0
13553	CSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
13554	CSA	N/A	1.28	0	0	0	N/A	0.95	0	0	0	0	0
13560	CSA	N/A	0.00	0	0	0	N/A	0.96	2	0	0	0	0
13561	CSA	N/A	0.00	0	0	0	N/A	1.42	1	0	0	0	0
13562	CSA	N/A	0.00	0	0	0	N/A	0.89	1	0	0	0	0
13563	WSA	N/A	0.00	0	0	0	N/A	0.49	3	0	0	0	0
13564	WSA	N/A	0.00	0	0	0	N/A	0.90	5	0	0	0	0
13565	WSA	N/A	0.00	0	0	0	N/A	9.25	2	0	0	0	0
13572	WSA	N/A	0.76	68	6,170	72	N/A	10.07	935	13749	100	0	0
13573	ESA	N/A	1.29	19	2,287	8	N/A	5.49	1039	27170	182	0	0
13574	ESA	N/A	2.99	234	24,530	204	N/A	5.42	593	36050	172	0	0
13575	ESA	N/A	0.45	14	0	0	N/A	13.80	588	16817	70	0	0
13576	WSA	N/A	2.94	219	7,278	35	N/A	8.65	1409	19350	42	0	1
13577	WSA	N/A	2.89	220	74,417	239	N/A	12.54	694	4199	34	0	0
13579	WSA	N/A	4.03	121	2,103	16	N/A	15.18	981	9395	73	0	0
13582	WSA	N/A	6.01	171	21,134	143	N/A	6.83	939	43095	268	0	0
13583	WSA	N/A	4.65	112	4,330	39	N/A	10.33	374	3232	10	0	0
13584	WSA	N/A	0.19	1	285	1	N/A	6.94	942	14953	48	0	0
13585	WSA	N/A	0.51	16	375	1	N/A	12.14	1387	1760	15	0	0
13586	CSA	N/A	8.40	209	92,807	337	N/A	13.79	967	18307	48	0	0
13587	CSA	N/A	1.81	7	93,874	1,006	N/A	9.69	2142	6896	51	0	0
13589	CSA	N/A	0.51	8	0	0	N/A	2.83	976	15354	133	0	0
13590	CSA	N/A	3.20	376	11,287	35	N/A	1.68	1183	15984	283	0	0
13591	CSA	N/A	8.10	1025	12,521	68	N/A	0.64	508	12436	58	0	0
13592	WSA	N/A	7.77	1163	43,705	193	N/A	1.28	15	0	0	0	0
13593	WSA	N/A	5.61	611	88,917	386	N/A	1.71	83	14530	11	1	0

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(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of URD Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 2015	(Z) Recorded Peak Load Recorded through December 31 2016
Yes	0.00	0.00	0	16412	884	0.00	54	35836	0	-3.2%	7.2
Yes	0.64	0.18	0	0	0	0.64	0	0	0	0.0%	0.0
Yes	2.23	0.86	0	0	0	2.23	0	0	0	3.0%	3.9
Yes	1.90	0.04	0	0	0	1.90	33	0	461	-9.7%	3.6
Yes	2.84	0.02	0	0	0	2.84	48	75173	0	-6.5%	5.2
Yes	2.06	0.08	0	0	0	2.06	102	0	4434	-2.3%	5.4
Yes	1.42	1.15	0	0	0	1.42	99	208158	908	6.8%	7.9
Yes	1.91	0.12	0	0	0	1.91	13	1362	0	48.0%	6.5
Yes	1.87	0.07	0	0	0	1.87	11	0	715	6.0%	5.0
Yes	0.00	1.45	0	0	0	0.00	4	2431	0	6.6%	2.6
Yes	2.01	0.06	0	0	0	2.01	0	0	0	3.9%	5.5
Yes	4.06	0.33	0	0	0	4.06	10	0	1279	-6.2%	3.2
Yes	3.31	0.15	0	0	0	3.31	71	30198	374	18.5%	9.0
Yes	0.23	0.10	0	0	0	0.23	64	27100	0	7.3%	2.9
Yes	1.87	0.06	0	0	0	1.87	0	0	0	1206.6%	3.9
Yes	0.00	0.35	0	0	0	0.00	4	0	0	2.3%	2.7
Yes	0.00	0.32	0	0	0	0.00	0	0	0	-0.4%	2.9
Yes	0.00	1.70	0	0	0	0.00	0	0	0	-0.4%	4.9
Yes	0.00	3.03	0	0	0	0.00	0	0	0	5.4%	2.3
Yes	0.00	2.01	0	0	0	0.00	0	0	0	-12.6%	2.6
Yes	0.00	1.76	0	0	0	0.00	0	0	0	-6.4%	3.0
Yes	0.00	2.05	0	0	0	0.00	0	0	0	6.2%	2.6
Yes	0.00	2.21	0	0	0	0.00	0	0	0	3.8%	3.4
Yes	0.92	0.21	0	0	0	0.92	0	0	0	-8.5%	2.4
Yes	0.91	0.30	0	0	0	0.91	8	0	1059	3.2%	3.9
Yes	1.73	0.16	0	0	0	1.73	5	7254	877	2.3%	4.4
Yes	0.94	0.12	0	0	0	0.94	53	175	0	5.2%	4.0
Yes	4.39	0.40	0	0	0	4.39	19	0	1760	17.6%	2.7
Yes	3.33	0.00	0	0	0	3.33	122	9298	0	6.6%	7.6
Yes	2.44	0.15	0	0	0	2.44	92	0	0	-5.0%	4.3
Yes	3.83	2.72	0	0	0	3.83	81	0	1094	2.8%	5.0
Yes	3.06	0.09	0	58807	1123	3.06	29	70617	0	7.7%	7.7
Yes	2.09	0.05	0	0	0	2.09	13	0	945	1.7%	5.1
Yes	1.19	0.44	0	0	0	1.19	8	93759	1492	-4.0%	4.5
Yes	2.66	0.70	0	0	0	2.66	11	83527	2276	-6.6%	9.6
Yes	1.78	0.89	0	0	0	1.78	30	21263	0	2.3%	6.4
Yes	2.69	2.03	0	0	0	2.69	7	0	0	5.2%	7.3
Yes	3.09	0.03	0	0	0	3.09	7	0	3532	-13.3%	4.1
Yes	4.33	0.14	0	0	0	4.33	170	195433	1783	3.7%	6.2
Yes	1.88	0.13	0	0	0	1.88	224	11886	0	4.3%	8.1
Yes	2.39	0.14	0	0	0	2.39	80	0	4566	-41.3%	5.6
Yes	1.38	0.14	0	0	0	1.38	109	133839	0	-2.9%	4.2

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(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Lines/Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral	(N) Number of Automatic Line Sectionalizing Devices on the Feeder
13600	WSA	N/A	6.12	550	39,511	111	N/A	1.75	409	0	0	0	0
13605	WSA	N/A	2.59	330	31,015	243	N/A	0.38	290	0	0	0	0
13606	WSA	N/A	0.73	30	855	9	N/A	0.00	191	0	0	0	0
13607	WSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
13608	WSA	N/A	0.00	0	0	0	N/A	1.58	0	0	0	0	0
13610	WSA	N/A	5.83	576	16,333	96	N/A	0.20	661	0	0	1	0
13611	WSA	N/A	3.26	361	4,752	92	N/A	1.02	396	0	0	0	0
13612	WSA	N/A	7.66	985	78,575	366	N/A	0.86	327	0	0	0	0
13613	WSA	N/A	5.36	714	48,383	301	N/A	0.00	280	0	0	0	0
13614	WSA	N/A	0.00	0	0	0	N/A	8.34	0	0	0	0	1
13621	CSA	N/A	13.99	399	11,889	55	N/A	8.49	359	21407	138	0	0
13622	CSA	N/A	22.26	741	232,875	1,187	N/A	9.78	374	2572	12	3	1
13624	CSA	N/A	16.91	374	83,146	719	N/A	1.59	268	3249	7	0	0
13630	CSA	N/A	6.04	661	18,143	79	N/A	9.74	297	3781	24	5	0
13631	WSA	N/A	5.50	421	125,670	685	N/A	0.56	937	35145	221	0	0
13632	WSA	N/A	5.28	486	31,121	285	N/A	7.10	119	0	0	0	0
13633	WSA	N/A	3.53	164	10,477	58	N/A	2.89	1047	18773	66	0	0
13635	WSA	N/A	0.22	9	0	0	N/A	0.58	33	292	1	0	0
13636	WSA	N/A	0.04	0	0	0	N/A	0.75	9	0	0	0	0
13637	WSA	N/A	1.15	46	1,414	8	N/A	0.59	92	0	0	0	0
13638	WSA	N/A	2.13	195	8,685	17	N/A	0.00	120	293	1	0	0
13639	WSA	N/A	0.00	0	0	0	N/A	2.74	0	0	0	0	0
13640	SHA	N/A	0.00	0	0	0	N/A	1.11	8	0	0	0	0
13641	SHA	N/A	0.00	0	0	0	N/A	0.31	14	0	0	0	0
13642	SHA	N/A	0.00	0	0	0	N/A	0.60	2	0	0	0	0
13643	WSA	0	0.00	0	0	0	N/A	22.85	9	0	0	0	0
13645	SHA	N/A	7.12	160	54,070	878	N/A	22.21	1932	39196	706	10	0
13646	SHA	N/A	1.19	2	10,175	64	N/A	7.02	2592	110735	1887	0	0
13647	SHA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
13648	SHA	N/A	18.76	396	70,177	671	N/A	2.61	293	0	0	0	0
13649	SHA	N/A	4.94	304	719	7	N/A	10.47	266	0	0	0	0
13650	PCA	N/A	0.00	0	7,540	50	N/A	12.08	998	41375	166	0	0
13651	PCA	N/A	4.29	145	31,914	231	N/A	48.33	1404	4122	13	0	0
13652	PCA	N/A	4.34	179	258,705	2,932	N/A	4.71	566	5794	14	0	1
13655	WHA	N/A	7.42	311	26,508	105	N/A	9.34	522	318	2	0	0
13656	WHA	N/A	39.63	1090	157,541	624	N/A	8.24	553	4747	22	9	0
13657	WHA	N/A	35.27	750	194,592	2,143	N/A	10.06	281	559	3	0	0
13659	PCA	N/A	5.24	105	6,954	20	N/A	1.09	774	40992	143	0	0
13660	WSA	N/A	1.61	37	78	1	N/A	16.50	136	4947	8	0	0
13661	WSA	N/A	7.92	346	14,206	97	N/A	16.09	1167	14444	71	0	0
13668	WSA	N/A	9.17	281	34,729	592	N/A	9.67	1194	48542	219	0	0
13669	WSA	N/A	2.53	165	1,738	15	N/A	7.16	1043	19576	72	0	0

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(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 2015	(Z) Recorded Peak Load Recorded through December 31 2016
Yes	0.66	0.20	0	0	0	0.66	51	0	0	-48.0%	5.4
Yes	1.41	0.05	0	0	0	1.41	21	0	292	2.5%	2.5
Yes	0.00	0.00	0	0	0	0.00	64	22537	0	-61.5%	0.7
Yes	0.00	0.00	0	0	0	0.00	0	0	0	-2.1%	8.3
Yes	1.09	0.23	0	0	0	1.09	0	0	1273	7.1%	19.6
Yes	0.75	0.16	0	0	0	0.75	51	60594	792	3.3%	5.7
Yes	1.21	0.14	0	0	0	1.21	20	48353	0	-5.9%	2.4
Yes	1.24	0.26	0	0	0	1.24	40	0	0	5.3%	5.2
Yes	0.00	0.03	0	0	0	0.00	83	0	0	-0.7%	3.4
Yes	2.35	0.06	0	0	0	2.35	0	0	1685	0.0%	0.0
Yes	2.89	0.00	0	0	0	2.89	17	222416	2381	-13.4%	5.8
Yes	3.33	0.00	0	0	0	3.33	24	80949	1459	5.0%	5.9
Yes	3.18	0.33	0	0	0	3.18	40	109845	3377	3.2%	4.1
Yes	2.00	0.31	0	0	0	2.00	196	66610	5713	-0.1%	5.9
Yes	2.07	0.09	0	0	0	2.07	87	147699	0	1.6%	6.7
Yes	3.43	0.15	0	0	0	3.43	98	0	0	5.7%	2.7
Yes	1.62	1.36	0	0	0	1.62	108	0	0	-1.7%	7.6
Yes	1.14	0.74	0	0	0	1.14	13	0	13	-0.1%	8.4
Yes	1.77	0.28	0	0	0	1.77	5	460	0	3.7%	5.2
Yes	1.26	0.39	0	8002	165	1.26	27	0	331	-14.8%	1.4
Yes	0.00	0.42	0	0	0	0.00	27	1704	0	0.9%	2.0
Yes	0.00	3.17	0	0	0	0.00	0	0	5	-29.3%	0.0
Yes	0.00	3.51	0	0	0	0.00	0	5691	0	14.7%	8.7
Yes	0.00	2.60	0	0	0	0.00	0	0	0	7.9%	2.1
Yes	4.45	2.71	0	0	0	4.45	0	0	0	-3.2%	4.0
Yes	0.00	1.62	0	407	8	0.00	0	0	0	0.0%	-0.1
Yes	1.99	4.12	0	407	0	1.99	29	0	0	29.2%	8.7
Yes	4.58	0.09	0	0	2002	4.58	8	0	0	4.4%	9.4
Yes	0.00	0.05	0	130066	0	0.00	0	0	0	0.0%	0.0
Yes	1.60	0.12	0	0	0	1.60	90	0	0	2.9%	5.3
Yes	1.22	1.66	0	0	0	1.22	40	0	991	5.1%	2.5
Yes	4.18	1.14	0	99309	890	4.18	2	4327	0	-3.7%	4.4
Yes	4.89	5.60	0	0	0	4.89	22	0	8112	4.4%	7.8
Yes	3.13	0.08	0	0	0	3.13	17	211980	0	2.7%	12.4
Yes	8.55	0.34	0	0	0	8.55	68	0	4557	10.0%	3.4
Yes	3.27	0.17	0	0	0	3.27	158	181764	760	2.7%	8.0
Yes	2.81	0.03	0	0	0	2.81	110	43559	913	7.6%	5.1
Yes	2.71	0.17	0	0	0	2.71	56	108723	0	9.9%	4.5
Yes	3.58	1.19	0	0	0	3.58	6	0	0	-7.3%	1.3
Yes	1.14	1.99	0	0	0	1.14	46	0	972	8.8%	7.8
Yes	2.06	0.27	0	30685	799	2.06	18	86298	0	2.6%	7.2
Yes	0.79	0.11	0	0	0	0.79	37	0	0	-2.9%	4.6

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(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral	(N) Number of Automatic Line Sectionalizing Devices on the Feeder
13670	WSA	N/A	1.21	5	9,728	13	N/A	11.76	606	10705	67	0	0
13671	WSA	N/A	0.11	0	4,531	8	N/A	11.08	1618	25120	279	0	0
13672	WSA	N/A	4.07	257	6,713	51	N/A	10.40	2333	15493	55	0	0
13673	WSA	N/A	1.07	6	0	0	N/A	9.99	1019	4814	13	0	1
13674	WSA	N/A	1.04	4	55,683	650	N/A	16.55	1231	2652	5	0	0
13677	ESA	N/A	4.04	78	48,417	361	N/A	15.88	824	48989	645	0	0
13678	ESA	N/A	4.87	98	22,886	95	N/A	15.50	2065	35789	193	0	0
13679	ESA	N/A	9.53	310	3,574	13	N/A	17.70	821	1097	9	0	0
13685	ESA	N/A	2.44	95	55,953	221	N/A	14.99	1273	44380	429	0	1
13686	ESA	N/A	3.01	83	6,542	40	N/A	12.71	1158	34072	132	1	0
13687	ESA	N/A	16.24	520	127,188	411	N/A	11.46	885	12080	43	0	0
13690	ESA	N/A	1.72	88	1,966	9	N/A	11.05	747	0	0	0	0
13691	WHA	N/A	0.86	26	9,261	73	N/A	6.61	874	2332	7	0	0
13692	WHA	N/A	1.24	23	78	1	N/A	7.72	619	540	6	0	0
13693	WHA	N/A	4.92	188	2,955	18	N/A	3.91	622	9790	65	0	0
13695	WHA	N/A	17.63	1070	41,816	366	N/A	1.70	358	47410	208	0	0
13696	WHA	N/A	14.25	1354	75,108	367	N/A	0.27	99	0	0	23	0
13697	ESA	N/A	0.52	22	3,710	21	N/A	2.15	3	154	1	0	0
13698	ESA	N/A	16.93	1007	28,937	236	N/A	9.95	16	0	0	0	0
13699	ESA	N/A	5.80	288	1,725	10	N/A	11.26	985	2058	18	0	0
13705	ESA	N/A	8.68	496	74,260	303	N/A	10.07	907	12166	83	0	0
13706	ESA	N/A	3.80	185	10,620	37	N/A	8.35	1402	27691	291	0	0
13707	ESA	N/A	1.31	53	1,717	6	N/A	12.42	1085	12441	58	0	0
13708	ESA	N/A	1.66	63	2,954	10	N/A	6.83	1366	7184	160	0	0
13709	ESA	N/A	6.29	534	9,206	78	N/A	15.38	500	0	0	0	0
13710	CSA	N/A	6.87	289	123,071	675	N/A	16.17	2309	55234	275	0	0
13711	CSA	N/A	1.46	7	395,654	3,075	N/A	5.87	2494	23218	56	0	0
13712	CSA	N/A	8.47	412	16,590	81	N/A	26.27	492	0	0	0	0
13713	CSA	N/A	0.00	0	104	1	N/A	10.34	2059	72257	729	0	0
13714	CSA	N/A	0.02	0	0	0	N/A	13.44	1836	9725	12	0	0
13715	CSA	N/A	0.09	0	0	0	N/A	7.20	1213	191	1	0	0
13716	CSA	N/A	0.02	0	1,778	5	N/A	20.92	319	9571	85	0	0
13717	PCA	N/A	2.08	5	0	0	N/A	18.28	561	324	2	0	0
13718	PCA	N/A	0.01	0	0	0	N/A	4.54	1008	0	0	0	0
13719	PCA	N/A	0.01	0	0	0	N/A	1.85	793	16	1	0	0
13722	ESA	N/A	9.69	372	53,182	287	N/A	12.89	63	0	0	0	0
13723	ESA	N/A	16.62	532	17,521	80	N/A	6.22	754	39879	262	0	0
13724	ESA	N/A	26.87	702	193,391	1,851	N/A	12.30	272	0	0	0	0
13729	ESA	N/A	2.26	37	8,401	48	N/A	10.95	963	32517	397	0	0
13731	WSA	N/A	0.08	2	2,594	6	N/A	16.30	887	1624	11	0	0
13732	WSA	N/A	0.10	18	25,397	95	N/A	22.67	1242	28202	146	0	0
13733	WSA	N/A	1.63	4	15,499	44	N/A	0.60	1140	206	2	0	0

2016 Storm Implementation Plan and Annual Reliability Performance Reports

(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of URD Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 2015	(Z) Recorded Peak Load Recorded through December 31 2016
Yes	1.44	1.73	0	0	0	1.44	1	0	0	18.3%	3.3
Yes	3.50	0.83	0	0	0	3.50	20	0	0	2.6%	5.9
Yes	2.14	1.04	0	0	0	2.14	15	0	0	7.1%	7.6
Yes	2.82	1.45	0	0	0	2.82	9	0	0	3.2%	5.3
Yes	2.72	3.46	0	0	0	2.72	10	0	0	-2.3%	6.1
Yes	2.82	0.29	0	454	4	2.82	13	0	0	-7.5%	6.2
Yes	4.38	0.43	0	0	0	4.38	15	0	0	6.5%	7.4
Yes	2.77	1.85	0	0	0	2.77	68	0	3505	4.6%	8.0
Yes	2.84	0.13	0	41378	1306	2.84	65	209548	1319	4.7%	7.2
Yes	6.21	0.19	0	0	0	6.21	79	68215	3128	-2.5%	7.8
Yes	1.57	1.29	0	0	0	1.57	175	254655	0	15.9%	7.6
Yes	2.45	0.89	0	0	0	2.45	28	0	915	0.7%	5.5
Yes	2.02	0.16	0	0	0	2.02	11	18574	0	2.0%	5.2
Yes	2.70	0.99	0	0	0	2.70	12	0	0	3.1%	2.9
Yes	2.04	0.00	0	0	0	2.04	56	0	0	-15.3%	5.5
Yes	4.36	0.11	0	0	0	4.36	78	0	3171	0.9%	6.4
Yes	1.97	0.36	0	0	0	1.97	191	39993	0	30.1%	8.3
Yes	4.78	0.66	0	0	0	4.78	19	0	0	-5.2%	0.4
Yes	1.63	0.39	0	0	0	1.63	101	0	0	5.5%	7.3
Yes	3.03	0.14	0	0	0	3.03	10	0	0	4.0%	4.1
Yes	2.58	0.22	0	0	0	2.58	59	0	0	0.1%	6.6
Yes	2.51	0.92	0	0	0	2.51	51	0	0	-9.5%	6.2
Yes	3.29	0.73	0	0	0	3.29	23	0	0	3.0%	5.0
Yes	2.54	0.12	0	0	0	2.54	19	0	0	11.1%	8.6
Yes	2.87	0.27	0	0	0	2.87	50	0	10986	-1.0%	4.3
Yes	3.03	1.03	0	0	0	3.03	65	550244	1879	3.8%	10.0
Yes	4.88	0.51	0	0	0	4.88	12	87894	0	6.1%	8.8
Yes	0.67	3.58	0	0	0	0.67	135	0	0	1.8%	5.3
Yes	1.72	2.09	0	120497	2095	1.72	3	0	0	-2.1%	9.6
Yes	1.94	1.84	0	0	0	1.94	0	0	0	3.6%	5.8
Yes	3.61	0.68	0	0	0	3.61	4	0	318	-4.0%	5.2
Yes	4.19	0.49	0	15252	247	4.19	33	15661	0	-1.5%	2.9
Yes	1.09	2.52	0	0	0	1.09	17	0	0	-11.1%	4.0
Yes	1.18	2.05	0	0	0	1.18	0	0	0	-2.6%	6.0
Yes	3.44	0.02	0	0	0	3.44	7	0	0	7.9%	3.5
Yes	5.76	0.08	0	0	0	5.76	85	0	2350	-5.3%	5.5
Yes	5.40	0.07	0	0	0	5.40	63	122537	364	-3.1%	6.2
Yes	2.35	0.18	0	0	0	2.35	92	17472	1026	6.4%	5.8
Yes	1.29	0.99	0	27078	454	1.29	14	51333	0	0.2%	5.8
Yes	0.16	1.80	0	0	0	0.16	3	0	0	-13.1%	4.1
Yes	2.72	3.20	0	0	0	2.72	0	0	0	1.5%	7.4
Yes	2.26	0.17	0	0	0	2.26	4	0	743	17.4%	5.6

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(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral	(N) Number of Automatic Line Sectionalizing Devices on the Feeder
13737	WSA	N/A	3.94	483	9.823	62	N/A	1.91	107	0	0	0	0
13738	WSA	N/A	1.76	158	6.060	110	N/A	0.88	366	0	0	0	0
13739	WSA	N/A	0.94	55	1.561	8	N/A	0.18	122	0	0	0	0
13740	WSA	N/A	10.28	1210	41.612	370	N/A	16.66	4	0	0	1	0
13745	WSA	N/A	1.60	32	8.147	28	N/A	1.90	1800	16602	100	0	1
13747	WSA	N/A	0.74	57	0	0	N/A	7.90	317	2696	68	0	0
13748	WSA	N/A	4.34	356	3.573	32	N/A	9.61	750	9071	36	3	0
13749	WSA	N/A	1.83	208	32.149	180	N/A	6.14	1173	28273	148	0	0
13750	WSA	N/A	1.73	72	16.049	105	N/A	0.09	666	24924	90	0	0
13763	WSA	N/A	3.87	569	18.142	99	N/A	1.04	9	8369	8	0	0
13764	WSA	N/A	7.51	1162	120.342	1,023	N/A	1.24	250	0	0	4	0
13756	WSA	N/A	2.99	817	16.842	80	N/A	1.86	917	55007	108	0	0
13761	WSA	N/A	0.38	6	0	0	N/A	1.48	1044	0	0	0	0
13762	WSA	N/A	0.16	4	0	0	N/A	0.03	24	378	2	0	0
13763	WHA	N/A	0.00	0	0	0	N/A	1.39	0	0	0	0	0
13764	WHA	N/A	0.16	0	0	0	N/A	0.22	472	0	0	0	0
13765	WHA	N/A	0.00	0	0	0	N/A	0.95	13	221	2	0	0
13766	SHA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
13769	SHA	N/A	16.73	360	25.666	262	N/A	13.83	829	28970	65	0	1
13770	SHA	N/A	4.03	196	1.460	6	N/A	21.84	1536	33968	122	0	0
13772	PCA	N/A	18.77	648	7.486	89	N/A	11.12	607	35637	207	0	0
13777	PCA	N/A	2.18	253	5.551	35	N/A	12.49	743	179461	972	4	0
13780	PCA	N/A	7.13	641	59.649	579	N/A	9.90	731	468	3	0	0
13781	ESA	N/A	2.51	58	107.415	714	N/A	18.45	1335	80199	179	0	1
13785	ESA	N/A	16.54	293	30.968	212	N/A	3.15	60	0	0	3	0
13786	ESA	N/A	43.36	697	103.069	899	N/A	1.75	22	0	0	0	0
13787	ESA	N/A	41.04	776	51.917	662	N/A	7.31	103	5099	7	0	0
13793	ESA	N/A	3.70	174	60.803	580	N/A	12.85	1435	42717	314	0	0
13795	ESA	N/A	8.44	232	41.583	304	N/A	24.95	1762	12136	58	0	0
13796	PCA	N/A	5.80	158	2.417	26	N/A	8.48	1113	14933	61	0	0
13797	PCA	N/A	4.67	188	82.805	517	N/A	16.13	1247	3839	22	0	0
13798	PCA	N/A	3.48	181	79.093	319	N/A	10.01	1037	8991	117	0	2
13799	DCA	N/A	2.66	105	173.604	595	N/A	11.50	1675	0	0	0	1
13805	DCA	N/A	46.57	1018	260.753	1,581	N/A	4.68	70	765	2	0	0
13807	SHA	N/A	34.99	996	68.515	252	N/A	2.67	78	1300	2	0	0
13808	CSA	N/A	101.86	1740	220.179	859	N/A	5.46	106	182	1	15	2
13813	CSA	N/A	43.44	679	129.826	275	N/A	6.49	89	437	2	0	1
13815	CSA	N/A	38.30	503	94.282	278	N/A	6.88	95	120	14	1	0
13817	CSA	N/A	19.82	0	86.159	703	N/A	17.28	1420	66	1	0	0
13818	SHA	N/A	1.08	0	0	0	N/A	5.00	0	0	0	0	0
13819	SHA	N/A	0.48	0	0	0	N/A	0.60	0	0	0	0	0
13820	SHA	N/A	2.75	759	0	0	N/A	0.94	0	0	0	0	1

2016 Storm Implementation Plan and Annual Reliability Performance Reports

(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 2015	(Z) Recorded Peak Load Recorded through December 31 2016
Yes	1.44	0.97	0	0	0	1.44	167	46610	0	-0.5%	4.5
Yes	1.55	0.23	0	0	0	1.55	67	0	0	-9.2%	5.9
Yes	1.10	0.29	0	0	0	1.10	24	0	0	-0.6%	3.9
Yes	1.66	0.00	0	0	0	1.66	81	0	1870	1.9%	5.7
Yes	0.95	0.22	0	0	0	0.95	15	105671	0	2.9%	7.0
Yes	3.46	0.39	0	0	0	3.46	28	0	1178	-0.4%	1.7
Yes	1.86	0.31	0	0	0	1.86	62	66694	1358	4.5%	7.2
Yes	1.42	0.32	0	0	0	1.42	40	30147	727	7.7%	5.4
Yes	1.83	0.05	0	0	0	1.83	13	1999	729	9.0%	4.4
Yes	0.59	0.13	0	0	0	0.59	177	38408	0	10.3%	4.7
Yes	0.99	0.14	0	0	0	0.99	29	0	0	1.5%	6.6
Yes	1.00	0.63	0	0	0	1.00	90	0	0	-2.3%	5.4
Yes	1.06	2.01	0	0	0	1.06	15	0	0	107.1%	5.2
Yes	0.00	0.52	0	0	0	0.00	11	0	0	16.9%	6.5
Yes	0.75	0.12	0	0	0	0.75	0	0	0	4.2%	2.8
Yes	0.00	0.86	0	0	0	0.00	10	0	0	0.8%	5.7
Yes	5.44	1.96	0	0	0	5.44	0	804	0	10.7%	1.4
Yes	0.00	1.44	0	0	0	0.00	0	0	0	0.0%	0.0
Yes	3.62	0.40	0	0	0	3.62	44	41590	0	12.6%	5.2
Yes	6.42	4.69	0	0	0	6.42	108	0	107	5.0%	7.9
Yes	2.34	2.41	0	0	0	2.34	102	18245	2199	7.6%	7.2
Yes	1.64	0.55	0	140428	1001	1.64	106	85412	1092	0.0%	5.7
Yes	4.98	0.19	0	0	0	4.98	67	52907	2693	0.3%	7.1
Yes	1.54	0.39	0	0	0	1.54	24	173552	375	6.1%	9.0
Yes	5.01	0.56	0	0	0	5.01	20	25043	569	-73.4%	1.8
Yes	8.69	0.24	0	0	0	8.69	84	54848	565	-2.4%	3.5
Yes	2.45	0.72	0	0	0	2.45	153	772	5722	10.8%	5.8
Yes	4.90	0.07	0	0	0	4.90	52	494504	0	9.7%	7.0
Yes	3.59	0.54	0	0	0	3.59	109	0	0	-4.6%	10.5
Yes	2.79	0.06	0	0	0	2.79	42	0	1491	9.4%	4.3
Yes	1.85	0.25	0	0	0	1.85	57	22410	0	4.8%	8.8
Yes	2.51	0.29	0	0	0	2.51	20	0	1384	6.1%	7.0
Yes	5.51	0.02	0	0	0	5.51	46	137177	902	14.0%	6.7
Yes	6.21	0.10	0	0	0	6.21	85	9997	1192	-2.7%	5.3
Yes	14.68	0.24	0	0	0	14.68	134	74849	2747	1.7%	5.6
Yes	5.10	0.03	0	0	0	5.10	170	17704	1621	3.6%	7.8
Yes	6.47	0.26	0	0	0	6.47	49	64907	407	20.5%	3.4
Yes	6.06	1.83	0	0	0	6.06	34	12535	0	-11.0%	2.6
Yes	1.98	1.22	0	0	0	1.98	101	0	0	7.9%	8.5
Yes	0.00	0.53	0	0	0	0.00	0	0	0	0.0%	0.0
Yes	1.92	1.35	0	0	0	1.92	0	0	0	0.0%	0.0
Yes	1.15	0.02	0	0	0	1.15	0	0	0	0.0%	0.0

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(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Lines/Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral	(N) Number of Automatic Line Sectionalizing Devices on the Feeder
13825	CSA	N/A	7.10	737	36,101	387	N/A	2.10	625	620	7	0	0
13826	CSA	N/A	3.66	210	1,578	18	N/A	6.04	1428	1421	14	0	0
13827	CSA	N/A	3.99	336	43,919	294	N/A	3.43	381	0	0	0	0
13828	CSA	N/A	5.94	424	37,679	140	N/A	3.28	880	6510	71	4	0
13829	CSA	N/A	1.03	34	22,129	306	N/A	8.27	781	635	2	0	0
13830	CSA	N/A	3.72	276	115,863	746	N/A	5.81	295	2472	25	0	0
13831	CSA	N/A	0.62	118	803	10	N/A	5.52	1109	3141	202	0	0
13832	CSA	N/A	2.98	234	7,423	55	N/A	1.36	147	0	0	0	0
13833	CSA	N/A	0.00	0	0	0	N/A	0.02	0	0	0	0	0
13834	CSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	1
13835	CSA	N/A	5.60	511	10,749	100	N/A	2.92	688	0	0	0	0
13836	CSA	N/A	4.25	160	5,813	29	N/A	12.12	535	6340	83	0	0
13837	CSA	N/A	4.05	411	19,296	187	N/A	7.60	613	25046	167	0	0
13838	CSA	N/A	9.39	608	5,729	26	N/A	6.65	982	88470	213	16	0
13839	PCA	N/A	6.71	320	41,040	262	N/A	15.96	734	14386	76	0	0
13840	PCA	N/A	0.00	0	43,271	222	N/A	9.38	1532	25246	239	0	0
13843	CSA	N/A	7.67	309	0	0	N/A	0.00	0	0	0	0	0
13844	PCA	N/A	0.37	5	340	2	N/A	2.69	634	3343	42	0	0
13845	CSA	N/A	0.00	0	0	0	N/A	3.94	0	0	0	0	0
13850	WSA	N/A	0.08	2	0	0	N/A	14.21	880	29712	157	0	0
13853	WSA	N/A	1.99	21	2,135	13	N/A	27.01	1307	15619	76	0	0
13854	WSA	N/A	17.22	1031	118,933	779	N/A	17.85	1439	4117	39	0	0
13858	WSA	N/A	0.00	0	0	0	N/A	0.25	0	0	0	0	0
13860	WSA	N/A	1.83	45	14,213	165	N/A	7.90	974	14070	49	0	0
13863	WSA	N/A	0.76	15	79,134	266	N/A	7.52	678	26269	237	0	0
13864	WSA	N/A	2.24	97	7,214	61	N/A	1.82	275	1519	22	0	0
13865	WSA	N/A	3.05	129	693	3	N/A	14.19	1434	0	0	0	0
13866	WSA	N/A	3.61	146	15,409	78	N/A	4.32	286	3081	5	0	0
13867	WSA	N/A	2.30	110	8,629	241	N/A	1.90	88	0	0	0	0
13869	WSA	N/A	0.16	2	4,786	41	N/A	5.75	560	32345	136	0	0
13870	ESA	N/A	3.42	60	61,065	560	N/A	14.46	1723	8840	65	0	0
13871	ESA	N/A	0.33	1	2,942	8	N/A	8.09	982	9640	107	0	0
13872	ESA	N/A	0.00	0	0	0	N/A	11.40	915	36137	161	0	0
13873	ESA	N/A	3.25	54	28,411	457	N/A	18.87	1946	4495	45	0	0
13878	ESA	N/A	1.94	42	17,221	148	N/A	8.78	1467	14295	47	0	0
13879	ESA	N/A	0.27	7	0	0	N/A	8.62	2239	55124	157	0	0
13880	ESA	N/A	0.17	1	0	0	N/A	8.14	1640	9671	35	0	0
13881	ESA	N/A	0.00	0	0	0	N/A	1.62	120	0	0	0	0
13882	WSA	N/A	0.00	0	0	0	N/A	1.12	106	0	0	0	0
13883	WSA	N/A	1.24	33	7,457	127	N/A	4.48	1351	3997	125	0	0
13884	WSA	N/A	0.33	0	0	0	N/A	11.48	1584	31173	152	0	0
13885	WSA	N/A	0.61	8	0	0	N/A	9.92	1182	6394	24	0	0

2016 Storm Implementation Plan and Annual Reliability Performance Reports

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Yes	2.56	1.62	0	0	0	2.56	150	0	3536	4.0%	5.9
Yes	2.62	0.03	0	0	0	2.62	105	189117	2284	7.5%	5.0
Yes	1.13	0.15	0	0	0	1.13	41	89229	1930	11.9%	3.5
Yes	1.37	0.05	0	0	0	1.37	29	3538	1197	5.5%	6.8
Yes	3.21	0.00	0	0	0	3.21	15	90252	5022	8.4%	3.9
Yes	2.95	0.03	0	0	0	2.95	62	565119	0	58.4%	6.0
Yes	1.40	0.85	0	0	0	1.40	56	0	0	8.5%	3.6
Yes	0.62	0.07	0	0	0	0.62	13	0	0	13.2%	2.3
Yes	0.00	0.11	0	0	0	0.00	0	0	0	-13.6%	4.6
Yes	0.00	0.02	0	0	0	0.00	0	0	0	-40.6%	2.9
Yes	1.40	0.07	0	0	0	1.40	27	0	719	0.8%	5.2
Yes	1.61	0.53	0	0	0	1.61	25	29119	1037	6.5%	5.1
Yes	2.17	0.16	0	0	0	2.17	58	32233	1155	1.8%	5.0
Yes	4.46	0.12	0	0	0	4.46	196	99002	1146	2.1%	6.7
Yes	5.47	0.07	0	0	0	5.47	95	43127	0	4.5%	7.6
Yes	4.46	0.37	0	0	0	4.46	166	0	0	5.1%	6.8
Yes	0.00	0.00	0	0	0	0.00	0	0	0	0.0%	0.0
Yes	1.81	0.62	0	0	0	1.81	9	0	0	30.3%	5.7
Yes	0.00	0.55	0	0	0	0.00	0	0	0	-11.8%	3.4
Yes	1.07	0.53	0	0	0	1.07	1	0	1346	9.2%	3.7
Yes	1.54	2.90	0	0	0	1.54	8	47311	676	9.5%	8.1
Yes	6.29	0.81	0	0	0	6.29	89	41866	0	6.6%	10.0
Yes	0.00	0.55	0	0	0	0.00	0	0	0	89.6%	4.5
Yes	1.49	0.05	0	0	0	1.49	9	0	0	12.2%	6.0
Yes	0.91	0.62	0	0	0	0.91	12	0	0	-11.4%	2.6
Yes	2.46	0.16	0	0	0	2.46	65	0	3210	-6.0%	4.5
Yes	3.88	0.65	0	0	0	3.88	35	189308	463	17.8%	9.2
Yes	3.20	0.16	0	0	0	3.20	26	61879	0	1.3%	8.0
Yes	1.52	0.19	0	0	0	1.52	39	0	0	-8.3%	4.8
Yes	0.99	0.12	0	0	0	0.99	4	0	1817	0.6%	5.9
Yes	2.28	0.06	0	0	0	2.28	24	103959	0	4.7%	6.9
Yes	1.43	0.33	0	0	0	1.43	10	0	0	-7.8%	3.6
Yes	0.10	1.44	0	0	0	0.10	0	0	0	7.4%	3.6
Yes	1.02	0.02	0	0	0	1.02	29	0	1507	7.8%	9.3
Yes	2.21	0.41	0	0	0	2.21	22	73315	0	-1.0%	5.6
Yes	1.01	1.72	0	0	0	1.01	3	0	0	3.6%	6.8
Yes	1.17	1.35	0	0	0	1.17	6	0	0	4.7%	7.8
Yes	0.61	1.18	0	6610	120	0.61	2	0	0	1.5%	4.3
Yes	0.00	1.26	0	0	0	0.00	0	0	0	-5.5%	3.0
Yes	1.72	0.53	0	0	0	1.72	28	0	0	2.5%	6.1
Yes	1.95	0.28	0	0	0	1.95	10	0	0	1.1%	6.6
Yes	1.72	0.77	0	0	0	1.72	11	0	1606	1.0%	4.9

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(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral	(N) Number of Automatic Line Sectionalizing Devices on the Feeder
13886	WSA	N/A	0.00	0	22,087	180	N/A	11.66	1128	76818	486	0	0
13888	WSA	N/A	0.83	16	4,206	19	N/A	11.70	1143	8067	41	0	0
13889	WSA	N/A	6.87	253	124,440	1,919	N/A	13.80	1416	56459	216	0	0
13890	SHA	N/A	0.70	22	8,728	59	N/A	7.04	655	4930	45	0	0
13891	SHA	N/A	0.01	0	8,159	35	N/A	17.65	1350	20485	69	0	0
13892	SHA	N/A	1.75	63	871	7	N/A	7.29	887	24524	312	0	0
13895	SHA	N/A	0.77	69	1,962	8	N/A	2.18	226	3395	16	0	0
13896	SHA	N/A	7.61	681	56,958	293	N/A	6.89	779	10408	93	0	0
13897	ESA	N/A	3.90	63	2,740	15	N/A	11.18	767	2162	6	0	0
13898	ESA	N/A	1.61	14	388,315	2,684	N/A	27.45	1941	14005	60	0	1
13899	ESA	N/A	7.03	439	305,347	1,749	N/A	5.42	609	3551	40	0	1
13900	ESA	N/A	2.50	34	659	6	N/A	21.71	1644	9134	65	0	0
13906	WHA	N/A	6.76	319	85,634	239	N/A	3.41	350	0	0	0	0
13909	WHA	N/A	7.45	503	56,179	230	N/A	3.04	59	1638	9	7	0
13910	WHA	N/A	7.95	335	117,339	1,665	N/A	9.23	676	20769	124	7	0
13911	WHA	N/A	6.64	500	95,576	537	N/A	6.10	717	18155	111	0	0
13916	WHA	N/A	2.45	130	67	2	N/A	12.45	1599	29587	98	0	0
13918	WHA	N/A	1.89	88	502	4	N/A	10.54	708	39930	98	0	0
13919	WHA	N/A	0.01	0	0	0	N/A	1.04	36	0	0	0	1
13920	WHA	N/A	1.92	66	146	2	N/A	11.39	1506	0	0	0	0
13921	WHA	N/A	2.43	141	2,117	4	N/A	6.24	586	2576	51	0	0
13922	SHA	N/A	0.85	9	0	0	N/A	27.38	1770	0	0	0	0
13924	SHA	N/A	45.50	407	74,973	291	N/A	2.10	33	0	0	0	0
13927	CSA	N/A	0.00	694	8,654	86	N/A	11.36	1080	169992	428	0	0
13928	CSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
13929	CSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
13930	CSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
13932	CSA	N/A	0.86	41	174	1	N/A	3.61	258	0	0	0	0
13934	CSA	N/A	1.43	15	20,174	61	N/A	8.96	1149	139792	263	0	0
13935	CSA	N/A	1.83	98	15,065	44	N/A	4.53	338	27826	94	0	0
13939	CSA	N/A	0.00	118	3,886	24	N/A	10.84	1009	18288	129	1	0
13940	CSA	N/A	2.57	0	0	0	N/A	0.00	0	0	0	0	0
13942	CSA	N/A	0.20	36	2,868	14	N/A	1.50	1538	44289	179	0	0
13943	ESA	N/A	1.18	30	390	10	N/A	1.07	291	0	0	0	0
13944	ESA	N/A	0.09	6	0	0	N/A	0.21	0	0	0	0	0
13946	ESA	N/A	8.06	1198	25,446	279	N/A	0.23	33	0	0	0	0
13947	ESA	N/A	6.45	950	21,120	108	N/A	0.05	1	0	0	0	0
13948	ESA	N/A	5.77	642	99,739	1,256	N/A	2.55	405	238	1	0	0
13951	ESA	N/A	0.99	23	10,890	84	N/A	1.58	104	0	0	0	0
13952	ESA	N/A	0.38	6	554	9	N/A	2.64	72	0	0	0	0
13953	PCA	N/A	4.09	149	155,089	1,131	N/A	5.46	204	213	1	0	0
13954	PCA	N/A	0.41	3	0	0	N/A	2.73	92	0	0	0	0

2016 Storm Implementation Plan and Annual Reliability Performance Reports

(O) Feeder Looped?	(P) Total Length of Feeder	(Q) Length of URD Portion of Feeder Circuit	(R) Number of Customers Served by URD Feeders	(S) CMI for URD Feeders	(T) CI for URD Feeders	(U) Length of Overhead Portion of the Feeder Circuit	(V) Number of Customers Served by Overhead Feeders	(W) CMI for Overhead Feeders	(X) CI for Overhead Feeders	(Y) % Load Growth Since December 2015	(Z) Recorded Peak Load Recorded through December 31 2016
Yes	0.41	1.62	0	0	0	0.41	1	24042	0	0.9%	4.7
Yes	2.12	0.45	0	0	0	2.12	8	0	0	3.9%	5.6
Yes	2.98	0.31	0	0	0	2.98	61	0	0	7.8%	10.1
Yes	1.10	0.07	0	0	0	1.10	36	0	1396	-2.7%	3.4
Yes	0.71	0.96	0	0	0	0.71	11	142490	0	215.3%	7.1
Yes	2.61	0.12	0	0	0	2.61	14	0	309	6.6%	6.6
Yes	2.17	0.07	0	0	0	2.17	9	6143	1519	0.6%	4.8
Yes	2.87	2.21	0	0	0	2.87	57	3291	0	7.8%	5.6
Yes	2.62	3.18	0	0	0	2.62	8	0	2056	5.4%	3.3
Yes	4.62	5.09	0	0	0	4.62	5	86249	2298	5.4%	9.0
Yes	3.83	0.11	0	0	0	3.83	97	163975	2070	-1.4%	5.4
Yes	4.90	1.06	0	0	0	4.90	17	4140	714	16.8%	8.4
Yes	2.49	0.11	0	0	0	2.49	50	44815	658	1.7%	4.3
Yes	2.49	0.23	0	0	0	2.49	97	6601	2912	-3.4%	5.6
Yes	2.55	0.08	0	0	0	2.55	106	165289	0	3.6%	5.4
Yes	1.97	0.08	0	0	0	1.97	59	0	0	6.7%	4.9
Yes	1.20	0.00	0	0	0	1.20	16	0	806	8.3%	5.9
Yes	2.33	0.18	0	0	0	2.33	12	38661	0	12.3%	3.8
Yes	0.58	0.25	0	0	0	0.58	13	0	0	0.0%	0.1
Yes	1.71	0.32	0	0	0	1.71	10	0	777	-0.8%	7.0
Yes	1.57	0.00	0	0	0	1.57	34	36117	0	7.1%	2.8
Yes	3.24	2.09	0	0	0	3.24	4	0	384	12.4%	6.3
Yes	30.18	0.00	0	0	0	30.18	136	33889	4248	-4.2%	3.0
Yes	4.87	0.32	0	0	0	4.87	79	392578	0	-0.5%	6.7
Yes	0.00	0.00	0	0	0	0.00	0	0	0	0.0%	0.0
Yes	0.00	0.00	0	0	0	0.00	0	0	0	0.0%	0.0
Yes	0.00	0.00	0	0	0	0.00	0	0	0	0.0%	0.0
Yes	1.59	0.05	0	0	0	1.59	24	0	0	14.7%	2.2
Yes	2.25	0.12	0	0	0	2.25	29	0	526	-0.9%	6.7
Yes	2.18	0.29	0	0	0	2.18	79	2551	0	-1.7%	3.0
Yes	2.67	0.08	0	0	0	2.67	54	0	0	-25.7%	5.8
Yes	0.00	0.02	0	0	0	0.00	0	0	0	0.0%	16.0
Yes	0.08	1.34	0	0	0	0.08	4	0	0	8.3%	3.7
Yes	0.86	1.43	0	9581	12	0.86	40	0	1406	-9.2%	2.6
Yes	0.28	0.99	0	0	0	0.28	10	0	0	5606.0%	1.0
Yes	2.73	0.06	0	0	0	2.73	194	37985	413	3146566.1%	4.5
Yes	1.07	0.12	0	0	0	1.07	118	0	145	10.5%	3.2
Yes	2.68	0.00	0	0	0	2.68	121	27450	85	-53.0%	2.9
Yes	1.70	0.58	0	0	0	1.70	26	10860	363	-0.7%	3.8
Yes	1.03	0.15	0	0	0	1.03	8	549	0	-7.6%	3.2
Yes	2.37	0.15	0	0	0	2.37	23	1563	0	-1.1%	8.4
Yes	1.90	0.35	0	0	0	1.90	16	0	3489	-0.4%	4.3

2016 Storm Implementation Plan and Annual Reliability Performance Reports

(A) Circuit	(B) Service Area	(C) Number of OH Lateral Lines	(D) Number of OH Lateral Lines Miles	(E) Number of Customers Served on OH Lateral Lines	(F) CMI for OH Lateral Lines	(G) CI for OH Lateral Lines	(H) Number of URD Lateral Lines	(I) Number of URD Lateral Lines Miles	(J) Number of Customers Served on URD Lateral Lines	(K) CMI for URD Lateral Lines	(L) CI for URD Lateral Lines	(M) Number of Automatic Line Sectionalizing Devices on the Lateral	(N) Number of Automatic Line Sectionalizing Devices on the Feeder
13955	PCA	N/A	2.06	61	791	7	N/A	5.78	1407	0	0	0	0
13956	ESA	N/A	2.06	84	5,875	17	N/A	11.42	3424	25724	52	0	0
13957	ESA	N/A	0.15	1	436	2	N/A	2.90	385	0	0	0	0
13959	WHA	N/A	12.85	397	15,432	69	N/A	2.72	200	143	2	0	0
13961	WHA	N/A	22.17	570	141,445	858	N/A	14.71	1396	72204	591	2	0
13962	WHA	N/A	18.87	699	83,402	404	N/A	6.17	417	17625	136	0	0
13963	WHA	N/A	3.38	202	6,769	27	N/A	2.18	98	0	0	0	0
13964	WHA	N/A	7.15	424	29,908	110	N/A	0.52	5	913	2	0	0
13967	PCA	N/A	3.64	224	40,642	416	N/A	14.04	1353	6766	71	0	0
13968	PCA	N/A	5.29	546	30,077	217	N/A	1.51	443	0	0	0	0
13971	PCA	N/A	0.18	0	0	0	N/A	1.17	9	51	1	0	0
13972	PCA	N/A	3.92	57	51,929	1,670	N/A	18.90	1577	0	0	0	0
13973	CSA	N/A	1.54	24	99,987	1,883	N/A	16.31	1808	25068	131	0	0
13980	CSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
13982	CSA	N/A	1.91	25	456	1	N/A	0.00	0	0	0	0	0
13983	CSA	N/A	17.78	501	64,536	389	N/A	4.61	207	0	0	0	0
13984	CSA	N/A	9.53	261	6,710	42	N/A	7.07	383	170	2	0	0
13985	CSA	N/A	0.00	0	4,898	8	N/A	22.63	2409	6280	63	0	0
13986	CSA	N/A	1.13	4	14,306	224	N/A	14.14	1082	8462	50	0	0
13987	CSA	N/A	0.05	0	0	0	N/A	8.63	939	15978	88	0	0
13988	CSA	N/A	0.00	0	0	0	N/A	11.89	1262	35428	167	0	0
13989	PCA	N/A	0.00	0	0	0	N/A	19.75	1535	3092	7	0	0
13990	PCA	N/A	0.59	5	68,577	628	N/A	26.47	1913	12091	113	0	0
13991	PCA	N/A	0.00	0	875	10	N/A	10.96	901	1911	10	0	0
13993	PCA	N/A	4.97	150	12,795	112	N/A	11.68	879	30583	188	0	0
13994	CSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
14000	CSA	N/A	16.30	528	15,946	125	N/A	6.50	384	26921	150	0	0
14001	CSA	N/A	3.45	61	1,544	16	N/A	1.04	46	2502	22	0	1
14002	CSA	N/A	0.47	3	11,592	27	N/A	13.82	808	55987	397	0	0
14004	SHA	N/A	0.05	1	0	0	N/A	0.22	6	0	0	0	0
14010	SHA	N/A	0.00	0	0	0	N/A	2.39	54	0	0	0	0
14011	SHA	N/A	0.80	8	16,785	292	N/A	5.93	845	110	1	0	0
14012	SHA	N/A	11.01	601	94,342	953	N/A	5.02	670	0	0	0	0
14014	SHA	N/A	0.74	22	689	8	N/A	1.45	325	0	0	0	1
14020	SHA	N/A	3.86	181	48,007	326	N/A	12.34	1159	100544	305	0	0
14021	SHA	N/A	8.50	276	74,052	531	N/A	11.70	808	264	6	0	0
14022	WSA	N/A	1.23	6	79,440	553	N/A	13.31	873	23523	321	0	0
14023	WSA	N/A	15.57	406	54,280	522	N/A	5.63	381	293	1	0	0
14024	WSA	N/A	8.39	514	21,328	90	N/A	13.55	1223	3491	9	0	0
14025	WSA	N/A	8.05	236	23,027	162	N/A	21.08	1971	6457	28	0	0
14026	WSA	N/A	3.38	62	7,438	98	N/A	4.79	290	0	0	0	0
14030	WSA	N/A	6.36	231	204,372	1,257	N/A	25.92	1935	22429	195	0	0

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Yes	2.12	2.08	0	0	0	2.12	17	0	0	13.3%	6.7
Yes	3.16	1.51	0	0	0	3.16	33	333091	0	-5.2%	9.6
Yes	0.48	1.66	0	0	0	0.48	3	0	0	-1.4%	2.1
Yes	6.03	0.02	0	0	0	6.03	91	0	213	11.7%	3.0
Yes	3.77	0.00	0	0	0	3.77	61	0	0	3.0%	7.8
Yes	4.37	0.29	0	0	0	4.37	132	12691	0	4.8%	7.8
Yes	1.73	0.59	0	0	0	1.73	51	0	0	-7.9%	3.3
Yes	1.81	0.20	0	0	0	1.81	32	0	0	0.5%	2.6
Yes	3.57	0.06	0	0	0	3.57	111	0	0	6.7%	7.1
Yes	2.91	0.06	0	0	0	2.91	157	0	0	-0.4%	3.5
Yes	0.23	0.21	0	0	0	0.23	1	0	0	18.8%	1.8
Yes	3.14	0.06	0	0	0	3.14	12	0	0	-1.7%	6.0
Yes	2.35	1.45	0	0	0	2.35	39	0	50	1.6%	6.2
Yes	0.89	0.08	0	0	0	0.89	0	0	1733	-82.3%	0.0
Yes	2.23	0.24	0	0	0	2.23	13	1924	743	-98.4%	0.1
Yes	5.40	0.25	0	0	0	5.40	143	84267	0	5.9%	4.0
Yes	5.24	1.09	0	0	0	5.24	107	42833	0	7.1%	6.7
Yes	3.30	6.32	0	0	0	3.30	14	0	0	-3.3%	9.5
Yes	1.05	2.23	0	0	0	1.05	4	0	0	-11.1%	5.7
Yes	3.26	2.87	0	0	0	3.26	7	0	0	-5.9%	4.5
Yes	0.00	3.18	0	0	0	0.00	0	0	0	-9.0%	5.4
Yes	2.03	1.46	0	0	0	2.03	29	0	0	-3.4%	6.3
Yes	2.15	5.96	0	0	0	2.15	2	0	0	-7.4%	9.0
Yes	0.58	1.22	0	0	0	0.58	3	0	0	-13.8%	3.3
Yes	4.78	0.18	0	0	0	4.78	93	0	0	4.0%	5.6
Yes	0.00	0.00	0	0	0	0.00	0	0	106	0.0%	0.0
Yes	3.65	0.47	0	0	0	3.65	62	0	0	5.0%	6.0
Yes	1.32	0.13	0	0	0	1.32	4	3948	0	26.5%	2.2
Yes	0.65	2.69	0	0	0	0.65	5	0	0	2.1%	4.3
Yes	0.41	0.04	0	0	0	0.41	0	0	0	-81.9%	0.0
Yes	0.00	1.56	0	0	0	0.00	0	0	353	-4.3%	6.4
Yes	0.51	2.19	0	0	0	0.51	1	0	0	4.5%	8.2
Yes	6.77	0.77	0	0	0	6.77	44	37600	2937	1.9%	6.3
Yes	0.28	0.07	0	0	0	0.28	1	0	0	21.5%	1.6
Yes	4.57	0.26	0	0	0	4.57	56	98481	0	-1.5%	7.9
Yes	2.71	0.06	0	0	0	2.71	65	0	2773	0.2%	6.3
Yes	2.29	0.32	0	0	0	2.29	13	0	0	0.8%	5.5
Yes	4.61	0.03	0	0	0	4.61	88	82613	4247	1.8%	5.4
Yes	4.73	0.14	0	0	0	4.73	115	0	361	2.5%	8.1
Yes	4.56	1.83	0	0	0	4.56	46	215903	2234	3.6%	9.2
Yes	1.64	0.50	0	0	0	1.64	6	18511	2101	8.6%	2.3
Yes	2.31	0.24	0	0	0	2.31	38	130054	0	3.5%	10.4

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14031	CSA	N/A	8.71	368	80,076	488	N/A	15.29	1630	56625	317	0	0
14032	CSA	N/A	1.79	41	705	4	N/A	3.01	238	681	1	0	1
14035	CSA	N/A	0.95	62	130	1	N/A	2.16	355	8147	73	0	1
14036	PCA	N/A	0.00	0	0	0	N/A	0.81	38	0	0	0	0
14037	PCA	N/A	0.78	3	274	1	N/A	18.91	1957	83200	197	0	0
14040	CSA	N/A	5.65	273	56,087	157	N/A	12.19	1420	27396	313	0	0
14041	CSA	N/A	19.12	715	185,579	1,664	N/A	6.49	287	1951	3	2	0
14042	CSA	N/A	5.07	151	215,364	1,576	N/A	13.65	1301	62783	389	2	0
14050	CSA	N/A	31.42	409	92,192	416	N/A	4.49	20	406	3	4	0
14051	CSA	N/A	1.65	0	0	0	N/A	0.07	0	0	0	0	0
14059	WSA	N/A	0.07	2	0	0	N/A	2.07	997	8353	19	0	0
14060	WSA	N/A	0.00	0	0	0	N/A	0.54	9	0	0	0	0
14064	WSA	N/A	0.00	0	0	0	N/A	0.57	436	0	0	0	0
14065	WSA	N/A	0.00	0	0	0	N/A	7.12	1603	71700	532	0	0
14066	WSA	N/A	0.00	0	0	0	N/A	0.54	1	0	0	0	0
14069	WSA	N/A	5.19	207	18,698	189	N/A	17.05	762	39084	307	0	0
14070	WSA	N/A	0.10	5	138,229	582	N/A	18.96	1167	19954	94	0	0
14071	WSA	N/A	8.57	328	16,216	77	N/A	22.18	1270	41243	117	0	0
14079	WSA	N/A	0.00	0	10,763	93	N/A	15.93	1688	76273	454	0	0
14080	CSA	N/A	0.03	0	0	0	N/A	15.92	1388	12207	83	0	0
14081	CSA	N/A	1.03	75	6,648	82	N/A	11.89	1553	13357	32	0	0
14082	CSA	N/A	0.00	0	0	0	N/A	13.52	1055	116044	333	0	0
14083	CSA	N/A	0.41	0	0	0	N/A	14.85	1219	13625	95	0	0
14084	CSA	N/A	0.11	5	0	0	N/A	15.45	1138	36376	322	0	0
14089	CSA	N/A	0.08	3	0	0	N/A	24.56	1932	1383	2	0	0
14090	CSA	N/A	0.12	0	130	1	N/A	9.29	674	12396	97	0	0
14091	CSA	N/A	0.21	0	0	0	N/A	11.36	1024	15753	116	0	0
14094	CSA	N/A	0.03	1	72,765	630	N/A	10.16	1455	25465	149	0	0
14095	CSA	N/A	0.00	0	0	0	N/A	14.77	865	10016	25	0	0
14096	ESA	N/A	0.00	0	0	0	N/A	13.98	1303	29453	112	0	0
14099	ESA	N/A	2.62	38	12,649	35	N/A	10.46	656	102	1	0	0
14100	ESA	N/A	2.21	0	0	0	N/A	19.48	1954	11742	89	0	0
14101	ESA	N/A	0.00	0	14,751	169	N/A	20.74	1516	18837	107	0	0
14102	ESA	N/A	0.00	52	14,094	39	N/A	19.74	1886	73655	240	0	1
14109	ESA	N/A	0.47	4	102	1	N/A	5.24	643	7299	20	0	0
14110	ESA	N/A	4.17	167	153,525	896	N/A	15.16	681	11688	68	0	0
14111	ESA	N/A	7.39	456	65,534	157	N/A	7.74	654	5046	37	0	0
14112	PCA	N/A	3.36	114	17,521	135	N/A	11.51	670	29219	142	0	0
14114	PCA	N/A	5.97	296	54,809	352	N/A	12.88	1100	38609	274	0	0
14115	PCA	N/A	0.89	7	0	0	N/A	3.30	143	732	3	0	0
14116	PCA	N/A	1.16	78	33,074	195	N/A	1.79	345	1594	6	0	0
14117	PCA	N/A	1.03	75	729	5	N/A	1.79	91	1771	8	0	0

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Yes	2.58	0.77	0	0	0	2.58	39	122082	0	3.5%	8.3
Yes	1.26	0.97	0	0	0	1.26	10	0	0	9.0%	3.6
Yes	0.71	0.95	0	0	0	0.71	3	2005	0	2.0%	4.2
Yes	0.05	1.25	0	0	0	0.05	0	1760	0	-4.3%	2.7
Yes	1.44	2.40	0	0	0	1.44	0	188872	0	3.3%	8.1
Yes	3.70	0.02	0	0	0	3.70	97	194755	1577	10.8%	6.8
Yes	4.24	0.36	0	0	0	4.24	29	0	741	13.0%	8.1
Yes	4.62	0.08	0	0	0	4.62	99	2312	0	11.3%	8.5
Yes	9.91	4.78	0	0	0	9.91	11	75451	0	8.1%	3.3
Yes	0.03	0.00	0	0	0	0.03	0	0	0	8343.6%	0.2
Yes	0.00	1.93	0	0	0	0.00	0	0	0	15.2%	6.0
Yes	0.00	0.84	0	0	0	0.00	0	0	0	-13.5%	3.8
Yes	0.00	2.34	0	0	0	0.00	0	0	30	6.8%	7.3
Yes	0.00	1.45	0	0	0	0.00	0	0	0	7.4%	5.5
Yes	0.00	0.55	0	0	0	0.00	0	337	0	0.0%	0.2
Yes	1.63	3.99	0	0	0	1.63	11	0	0	2.0%	6.3
Yes	2.32	0.94	0	0	0	2.32	14	0	0	1.0%	7.4
Yes	3.56	4.66	0	0	0	3.56	31	0	0	2.5%	9.0
Yes	0.26	4.17	0	0	0	0.26	1	0	0	0.2%	7.9
Yes	0.57	2.13	0	0	0	0.57	0	0	0	-0.4%	6.5
Yes	0.65	2.96	0	0	0	0.65	17	0	0	30.8%	7.2
Yes	0.00	2.89	0	0	0	0.00	0	0	0	-3.2%	5.9
Yes	2.22	3.84	0	0	0	2.22	0	0	0	-25.7%	6.8
Yes	1.92	1.39	0	0	0	1.92	2	0	0	-0.8%	7.6
Yes	2.52	4.21	0	0	0	2.52	6	0	0	4.2%	10.2
Yes	1.30	2.93	0	0	0	1.30	14	0	0	1.1%	6.6
Yes	1.75	2.09	0	0	0	1.75	4	0	0	-1.8%	5.8
Yes	1.60	3.53	0	0	0	1.60	8	0	0	-2.0%	7.9
Yes	0.00	2.92	0	0	0	0.00	0	0	0	-5.9%	5.6
Yes	0.84	4.04	0	81999	1304	0.84	0	0	0	-7.1%	5.5
Yes	4.35	1.95	0	0	0	4.35	8	0	0	-8.9%	3.9
Yes	0.00	4.27	0	0	0	0.00	0	0	0	16.1%	8.0
Yes	0.00	5.61	0	0	0	0.00	0	0	0	4.0%	8.1
Yes	2.08	2.76	0	0	0	2.08	22	0	0	7.7%	9.5
Yes	1.43	0.29	0	0	0	1.43	17	0	1182	-24.3%	2.8
Yes	2.40	0.16	0	0	0	2.40	13	0	1650	6.9%	5.9
Yes	2.91	0.06	0	0	0	2.91	61	81873	0	-4.2%	6.1
Yes	2.84	0.24	0	0	0	2.84	32	89334	0	0.7%	6.3
Yes	2.83	0.15	0	40879	632	2.83	21	0	478	6.8%	7.0
Yes	1.30	1.73	0	0	0	1.30	18	0	196	-1.1%	6.3
Yes	1.78	0.15	0	0	0	1.78	44	19972	0	-5.1%	3.3
Yes	1.64	0.21	0	0	0	1.64	36	1058	0	-1.6%	5.4

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14119	SHA	N/A	0.15	3	8,905	43	N/A	29.85	2154	103065	398	0	0
14120	SHA	N/A	1.89	24	455	3	N/A	15.20	991	35359	144	0	0
14121	ESA	N/A	16.75	252	23,896	254	N/A	23.97	1329	32551	331	0	0
14122	ESA	N/A	0.00	0	0	0	N/A	25.57	1537	13847	79	0	0
14123	ESA	N/A	5.84	153	32,868	150	N/A	14.26	878	4881	127	0	0
14144	ESA	N/A	6.99	569	147,182	754	N/A	9.90	887	23522	172	0	0
14145	SHA	N/A	0.19	1	0	0	N/A	19.56	1286	26281	72	0	0
14196	SHA	N/A	0.00	0	0	0	N/A	0.08	1	0	0	0	0
14197	ESA	N/A	1.96	31	1,088	7	N/A	0.79	47	485	4	0	0
14198	ESA	N/A	2.02	49	13,374	172	N/A	3.40	246	1878	6	0	0
14199	ESA	N/A	1.11	38	3,375	15	N/A	0.57	25	0	0	0	0
14200	CSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
14201	CSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
14202	SHA	N/A	1.05	7	0	0	N/A	1.10	1	5480	8	0	0
14207	CSA	N/A	0.17	1	0	0	N/A	0.00	0	0	0	0	0
14208	WSA	N/A	0.00	0	0	0	N/A	0.05	1	0	0	0	0
14209	WSA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
14216	DCA	N/A	6.96	119	27,122	196	N/A	23.89	1652	24588	120	0	0
14217	ESA	N/A	5.12	25	0	0	N/A	6.77	601	3096	10	0	0
14218	ESA	N/A	0.05	2	0	0	N/A	16.33	984	14946	63	0	0
14274	SHA	N/A	27.06	446	157,948	941	N/A	6.55	277	23723	80	0	0
14275	WSA	N/A	2.41	13	319	1	N/A	23.74	1239	16053	174	0	0
14306	DCA	N/A	17.21	389	72,002	320	N/A	1.79	19	860	2	0	0
14310	ESA	N/A	0.00	0	0	0	N/A	0.00	0	0	0	0	0
14341	ESA	N/A	6.43	21	408	3	N/A	0.00	0	0	0	0	0
14937	SHA	N/A	0.00	0	0	0	N/A	0	0	0	741	0	0

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Yes	1.69	3.37	0	0	0	1.69	2	0	0	-0.4%	11.0
Yes	1.77	3.01	0	0	0	1.77	15	0	0	8.3%	10.5
Yes	5.59	2.07	0	0	0	5.59	86	0	794	97.8%	9.7
Yes	0.19	3.20	0	0	0	0.19	0	0	0	-2.9%	9.5
Yes	3.63	3.77	0	0	0	3.63	50	24005	678	-0.7%	6.4
Yes	1.49	0.24	0	0	0	1.49	31	0	0	2.5%	5.0
Yes	2.18	2.15	0	0	0	2.18	2	18037	0	17.9%	5.6
Yes	0.00	0.00	0	0	0	0.00	0	0	0	-18.8%	5.5
Yes	2.06	0.00	0	0	0	2.06	15	0	0	-17.4%	2.0
Yes	2.37	1.22	0	9878	172	2.37	21	0	0	-4.5%	5.5
Yes	2.12	0.52	0	0	0	2.12	20	0	0	-5.4%	6.8
Yes	0.00	0.08	0	0	0	0.00	0	0	0	-27.8%	4.2
Yes	0.00	0.12	0	0	0	0.00	0	0	0	1.8%	5.8
Yes	0.69	0.73	0	0	0	0.69	0	0	0	0.0%	0.0
Yes	0.21	0.03	0	0	0	0.21	0	0	0	9.7%	4.4
Yes	0.18	0.08	0	0	0	0.18	0	0	0	-26.2%	1.7
Yes	0.42	0.07	0	0	0	0.42	0	0	0	-10.1%	6.3
Yes	4.27	1.61	0	0	0	4.27	1	0	0	-7.0%	6.0
Yes	1.87	1.22	0	0	0	1.87	1	0	1000	-12.5%	2.4
Yes	3.22	1.34	0	0	0	3.22	0	0	2544	-5.0%	3.8
Yes	5.04	0.32	0	0	0	5.04	89	6603	142	2.8%	3.8
Yes	2.39	3.11	0	0	0	2.39	7	173206	0	-1.4%	7.2
Yes	3.11	0.51	0	0	0	3.11	68	7365	0	5.7%	3.4
Yes	0.30	0.10	0	0	0	0.30	0	0	19	-19.4%	10.8
Yes	1.01	0.09	0	0	0	1.01	0	0	0	-17.4%	0.1
Yes	0.00	0.03	0	0	0	0.00	0	69	0	0.0%	0.0