



REPORT
March 1, 2017

Robert L. McGee, Jr.
Regulatory & Pricing Manager

One Energy Place
Pensacola, FL 32520-0780
850 444 6530 tel
850 444 6026 fax
rlmcgee@southernco.com

March 1, 2017

Ms. Carlotta Stauffer, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee FL 32399-0868

Dear Ms. Stauffer:

Attached is Gulf Power Company's Annual Distribution Service Reliability Report as required by Rule 25-6.0455, along with annual storm hardening initiatives as required in Order No. PSC-06-0781-PAA-EI and the status report on Gulf's Storm Hardening Plan as required by Paragraph 7 of the "Process to Engage Third party Attachers" Stipulated Agreement dated September 26, 2007 in Docket No. 070299-EI.

Sincerely,

A handwritten signature in blue ink that reads "Robert L. McGee, Jr." with a stylized flourish at the end.

Robert L. McGee, Jr.
Regulatory and Pricing Manager

md

Attachment

cc w/attach: Mr. Thomas Ballinger, Director, Division of Engineering

Reliability
and
Storm Hardening Initiatives
Report

March 1, 2017



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1.0 Status Report of Implementation of Storm Hardening Plan

This section is intended to fulfill the requirement for filing a status report of Gulf Power Company's Storm Hardening Plan. A "Stipulation and Agreement" was signed between Gulf Power Company (Gulf or Company) and the Florida Cable Telecommunications Association (FCTA) on November 9, 2010. This agreement was revisited in November 2013 and signed again by Gulf and FCTA.

On May 2, 2016, Gulf Power Company filed its 2016-2018 Storm Hardening Plan update with the Florida Public Service Commission (FPSC) as required by Rule 25-6.0342, F.A.C., Docket No. 160108-EI was opened to address the update. On December 6, 2016, the FPSC approved Gulf's 2016-2018 Storm Hardening Plan.

1.1 2016 Storm Hardening Activities

The following storm hardening activities were initiated and/or completed in 2016:

Distribution

Gulf continued to hold meetings to enhance communications between Gulf's field personnel and third party attachers. Meeting notifications were sent to the following third party attachers:

1. AT&T
2. Brighthouse Networks, LLC
3. Century Link
4. Century Tel/Madison River Communication
5. CHELCO
6. City of Pensacola
7. Comcast Joint Holdings, Inc.
8. Cox Communications Gulf Coast
9. Cubic Defense Applications
10. DeltaCom, LLC d/b/a EarthLink
11. Escambia County Schools
12. Fibercast Cable Communications
13. Frontier Communications NW, Inc.
14. GTC/Fairpoint Communications
15. Kentucky Data Link, Inc., d/b/a Windstream
16. Knology, d/b/a WOW (Way Out West)
17. Level 3 Communications, LLC
18. MediaCom
19. RSAE Labs Inc.
20. Southern Light, LLC
21. Valparaiso Broadband Communications
22. Verizon
23. Walton County

Gulf's permit administrator (ICON Consulting) and pole removal contractor (Davey Resource Group) also attended these meetings. Ongoing communication between these entities remains vital to the success of Gulf's storm hardening initiatives since detailed information on actual or proposed attachments is required to complete computer modeling of poles' strength requirements to determine the type and class to be installed.

During these meetings, Gulf reviewed:

- Planned major projects (both Company and customer driven)
- Grade B construction standards
- Pole inspection program (Osmose)
- Permitting criteria related to attaching or removing attachments
- Pole removal program
- In-service wood pole inspection tagging
- 2016 Pole Attachment Survey

Organizational charts and maps identifying Gulf field personnel and areas of responsibility were provided to the third party attachers. The 2016 meetings were held in March and November (due to the active storm season). Meetings were held in Panama City and Pensacola and included representation from:

- Gulf field personnel, special project engineers, technical services engineers, and their respective supervision and management
- AT&T
- Century Link
- CHELCO
- Comcast Joint Holdings, Inc.
- Cox Communications Gulf Coast
- Davey Resource Group
- Escambia County Schools
- ICON Consulting
- Knology, d/b/a WOW (Way Out West)
- MediaCom
- Southern Light, LLC

Prior to the 2016 hurricane season, representatives from Gulf, Century Link, and AT&T discussed their respective storm plans in the event of a major event. Since 2008, Gulf has assigned a liaison to AT&T during storm events. Since 2012, a liaison has been assigned to Century Link. Such conversations will again occur in 2017 thus continuing smooth and timely flow of information. In the event of a storm, Gulf will be ready to communicate restoration status information so that other attachers can then

begin their own restoration work. Gulf continues to focus on the distribution projects and objectives outlined below as part of the 2016-2018 Storm Hardening Plan.

Distribution

- Critical Infrastructure Improvements
- Underground Network Improvements
- Infrared and Feeder Patrols
- Automated Overhead Faulted Circuit Indicators
- Distribution Automation
- Distribution Supervisory Control and Data Acquisition (DSCADA)

Transmission

- All critical lines were aerially inspected
- One aerial patrol of the total system was completed
- Comprehensive walking/climbing and ground line inspections as part of the six-year inspection program were completed

2.0 Wood Pole Inspection Program

2.1 Wood Pole Inspection Description

Gulf's 2016 Wood Pole Inspection Program was designed to comply with FPSC Order No. PSC-06-0144-PAA-EI (eight-year inspection cycle) and FPSC Order No. PSC-07-0078-PAA-EU (which allowed certain deviations regarding CCA poles less than 15 years in age and poles surrounded by concrete and asphalt). In 2016, Gulf started the third year of the second eight-year inspection cycle, utilizing its existing wood pole inspection matrix. This matrix is based on pole age, treatment type and condition, and allows the selective excavation and boring of newer poles.

2.2 2016 Accomplishments

In 2016, a total of 25,580 poles were inspected with a rejection rate of 2.92%. See Appendix 2, titled "Annual Wood Pole Inspection Report" for details. Gulf also completed change out of all poles identified as rejects from all inspections prior to 2016 and began changing out poles identified as rejects in the 2016 inspection.

2.3 Projected 2017 Goals

Gulf intends to continue its pole inspection program in 2017 to ensure the Company maintains an eight-year inspection cycle. The 2017 inspections will represent the fourth year of Gulf's second eight-year inspection cycle.

In addition, the remaining poles identified as rejects in the 2016 inspection will be changed out in 2017. These poles will be upgraded to Grade B construction standards.

3.0 Vegetation Management Programs

3.1 Distribution Vegetation Management (VM) Plan Overview

In 2016, Gulf continued the Vegetation Management (VM) program approved by the FPSC in Order No. PSC 07-1022-FOF-EI. Gulf's vegetation management program consists of a three-year cycle on main line feeders, four-year cycle on laterals, and an annual cycle of inspections and corrections on main line feeders.

3.2 Transmission Vegetation Management Plan Overview

Vegetation hazard removals continued to be the focus of Gulf's 2016 Transmission vegetation management programs. Detailed ground patrols were performed on the transmission Right of Ways (ROW) to identify vegetation conditions requiring correction. All vegetation conditions identified by the 2016 patrols were corrected through vegetation removal or pruning activities. In 2016, Gulf was in full compliance with North American Electric Reliability Council (NERC) Standard FAC 003-3.

3.3 Distribution VM Trouble Reporting & Evaluation Programs

Gulf's **Distribution Lock-Out Report (DLOR)**, a process that documents and tracks distribution feeder lockouts has been enhanced to **Reliability Learning Events (RLE)**. These learning events are focused on key breaker and recloser lock-outs, including those caused by vegetation. The data collected has been expanded to continue to help Gulf engineers and forestry specialists identify root causes of large outages and track issues across the system. With additional information from RLEs, Gulf hopes to continue to improve its VM management practices employed on the Company's distribution system. Review and use of data gathered from RLEs (previously DLORs) will continue to be a valued element of future VM programs.

"Tree Gulf" was continued throughout 2016 as a tool to proactively report and address problem vegetation conditions that could pose a future threat to system reliability. "Tree Gulf" streamlined the internal reporting process and electronically produced work-orders directly to Forestry Services to inspect and correct potential vegetation related risks. This tool enabled every Gulf employee, including non-field personnel, the ability to easily report vegetation concerns through phone, radio, or email communication.

3.4 Right-of-Way Acquisition Pilot

The great majority of Gulf's distribution lines are located on public road right-of-way. Throughout the years, the widening of roads has forced Gulf to relocate its distribution facilities close to the right-of-way edge. This has placed some of Gulf's facilities adjacent to privately owned property where Gulf has no legal rights to prune or remove vegetation.

In 2016, Gulf launched a pilot program to expand its storm hardening philosophy by attempting to buy vegetation management easements from private property owners on select feeders to enhance Gulf's ability to adequately address VM concerns. The criteria used to select feeders were:

- Mainline feeders that serve key customers, such as hospitals
- Feeders that experience reliability issues due to off right-of-way vegetation conflicts
- Feeders that have heavy exposure to off right-of-way vegetation

Gulf selected 12 feeders and set a goal of obtaining VM easements on 15 miles of line to determine the feasibility of this program in 2016. Gulf successfully purchased easements on 20 miles of line giving Gulf the right to clear and maintain a 15-ft. wide corridor on private property adjacent to the public right-of-way and Gulf's distribution facilities.

Gulf spent \$643,950 purchasing easements in 2016 and will begin vegetation clearing activities on the areas 2017. Gulf plans to remove all incompatible vegetation in the newly purchased easements which will provide increased storm hardening as well as improvement of overall reliability. Gulf plans to continue this pilot program through 2017 to determine if the cost benefit and reliability improvement justifies making the program a permanent addition to Gulf's VM program activities.

3.5 Company's Overall Vegetation Management Summary

During 2016, Gulf pruned 241 mainline miles. Additionally, 482 miles of main line primary were inspected and any vegetation conditions found to be out of specification were pruned or removed. Gulf also pruned 331 miles of lateral primary lines.

3.6 2016 Distribution Performance Metrics (System Wide)

1. Distribution VM Reliability

Outages & Interruptions	FEEDER			LATERAL		
	Unadjusted	Adjusted	Diff.	Unadjusted	Adjusted	Diff.
A) Number of Outages	12	10	2	1,894	1,646	248
B) Customer Interruptions	13,327	9,637	3,690	76,805	59,487	17,318
C) Outages per Mile	0.0155	0.0129	0.0026	0.3767	0.3274	0.0493
D) CI per Mile	17.17	12.42	4.75	15.28	11.83	3.45
E) Customer Minutes of Interruption	1,904,160	951,654	952,506	9,770,947	6,031,939	3,739,008

2. Distribution Performance

VM Miles Cleared and Contractor Cost	Plan (mi)	Actual (mi)	Plan (\$)	Actual (\$)
A) MATS Mainline Annual Trim Schedule (3 Year Cycle)	241	241	\$964,000	\$1,024,239
B) MICS Mainline Inspect & Correct Schedule (1 Year Cycle)	482	482	\$325,000	\$391,810
C) SALT Scheduled Annual Lateral Trim (4 Year Cycle)	1,287	331	\$4,600,000	\$1,866,042
D) TICKETS (T) Hot Spot Tickets Inspected and Worked Completed with Contract Cost	Feeder 0	Lateral 6,470	Feeder \$0.00	Lateral \$742,041

3. Total Distribution Vegetation Cost

VM Planned Vs Actual Program Costs	Plan (\$)	Actual (\$)
A) VM Contractor Costs (MATS, MICS, SALT, TICKETS, HERBICIDE, MOWING, MISCELLANEOUS)	\$5,919,443	\$4,610,431
B) VM Other Program Costs (Internal Labor and Miscellaneous)	\$30,000	\$33,716
C) Total Distribution Vegetation Cost	\$5,949,443	\$4,644,147

4.0 Joint Use Pole Attachment Audits

Gulf performs its joint use inventory audits (Field Survey), covering the overhead distribution system as required by FPSC Order No. PSC-06-0781-PAA-EI every five years. The 2016 Field Survey was completed on October 5, 2016. The next Field Survey will be in 2021.

4.1 Activity and Costs Incurred for 2016 and 2017 Projections

The activity and costs associated with the Field Survey in 2016 were \$495,800. The projected cost for 2017 are minimal as we continue to process the data from the survey and prepare for the 2021 audit.

4.2 Joint Use Attachment Audits – Distribution Poles

Summary of Distribution Poles and Attachments	
A) Number of company owned distribution poles (See Note 1)	203,800
B) Number of company distribution poles leased: 8 Telecom attachers on Gulf's poles (See Note 1)	149,763
C) Number of owned distribution pole attachments: 7 CATV, numerous Government and other 3 rd party attachers on Gulf's poles (See Note 1)	165,188
D) Number of leased distribution pole attachments: Foreign poles Gulf Power is attached to (See Note 1)	62,366
E) Number of authorized attachments: Sum of all attachments to Gulf Power Company poles (See Note 1)	314,951
F) Number of unauthorized attachments:	0
G) Number of apparent NESC violations involving electric infrastructure	Note 2
H) Number of apparent NESC violations involving 3 rd party facilities	Note 2

Note 1: Data has been updated based on the 2016 year-end GIS data.

Note 2: When Gulf becomes, or is made aware of NESC violations, corrective measures are taken.

5.0 Six-Year Inspection Cycle for Transmission Structures

5.1 Activity and Costs Incurred for 2016 and 2017 Projections

In 2004, Gulf participated with Georgia Power Company, Alabama Power Company, and Mississippi Power Company to develop and adopt the Southern Company Transmission Line Inspection Guidelines. Based on these guidelines, Gulf's Transmission Line Inspection Program is a combination of three separate programs; (1) a ground line treatment inspection which is performed by a contractor, (2) a comprehensive walking inspection which is performed both by Company line personnel and contractor line crews, and (3) aerial inspections. Gulf's transmission inspection program is based on two alternating twelve-year cycles which result in a structure being inspected at least every six years. Normally, as part of the Transmission Line Inspection Standards, Gulf performs at least four routine aerial patrols annually. In 2016, policy changes and contractor insurance issues resulted in one aerial patrol.

In 2016, Gulf spent a total of \$86,966 on a combination of comprehensive walking and ground line treatments for metal poles and towers. In addition, Gulf spent \$119,211 on a combination of comprehensive walking inspections and ground line treatments for wood and concrete poles. These amounts are shown in Section 5.3 and 5.4 respectively. All inspections are on schedule to meet the six-year timeline. Gulf performed one aerial inspection of its system with an actual cost of \$2,857. Gulf intends to resume its four routine aerial inspections in 2017.

5.2 Transmission Circuit, Substation and Other Equipment Inspections

Gulf has fifty-six substations which have transmission equipment in service and completed at least one inspection of these substations during 2016. The costs associated with inspections are not tracked separately from general maintenance expenses. Gulf transmission does not inspect by circuit.

5.3 Transmission Metal Pole and Tower Inspections

Transmission Metal Poles and Towers	2016 Activity		2016 Costs		2017	
	Goal	Actual	Budget	Actual	Goal	Budget
A) Total Number	-	2,509	-	-	-	-
B) Number Inspected	530	530	\$65,835	\$86,966	426	\$67,243
C) Percent Inspections Completed	-	100%	-	-	-	-

5.4 Transmission Pole Inspections

Transmission Poles	2016 Activity		2016 Costs		2017	
	Goal	Actual	Budget	Actual	Goal	Budget
A) Total Number	-	15,462	-	-	-	-
B) Number Inspected	1,743	1,743	\$199,120	\$119,211	2,473	\$183,924
C) Number Passing Inspection	-	1,724	-	-	-	-
D) Number Failing Strength Test (Overloaded)	-	N/A	-	-	-	-
E) Number Failing Inspection (Other Reasons)	-	19	-	-	-	-
F) Number Corrected (Strength failure)	-	0	-	-	-	-
G) Number Corrected (Other Reasons)	-	126	-	-	-	-
H) Total Replaced	-	126	-	-	Note 1	-

Note 1: Gulf uses current year inspections and prior years' inspections in determining the poles to be replaced in the current year. Therefore, a goal for poles to be replaced in 2016 is not applicable.

6.0 Storm Hardening Activities for Transmission Structures

6.1 Activity and Costs Incurred for 2016 and 2017 Projections

Gulf has completed its storm guying on all wooden H-frame structures and will continue the replacement of wooden cross arms with steel cross arms on the transmission system. These activities will add additional strength capacity to the existing structures.

Gulf believes continuing with the wooden cross arm replacement program is the best alternative for existing transmission assets most at risk. The replacement of wooden cross arms with steel cross arms will continue in 2017 and is on schedule to meet the 2017 completion date.

6.2 Hardening of Existing Transmission Structures (Poles)

	2016 Activity		2016 Activity		2017	
	Goal	Actual	Budget	Actual	Goal	Budget
A) Transmission Structures Hardened	180	298	Note 1	Note 1	57	Note 1
B) Percent Transmission Structures Hardening Completed	-	166%	-	-	-	-

Note 1: Actual dollars spent are incorporated into a budget for infrastructure replacement projects and not separated by hardening activity.

7.0 Distribution Substations

7.1 Five-Year Patterns/Trends in Reliability Performance of Distribution Substations

Gulf reviews each substation related outage and actions are taken to reduce the possibility of an outage due to a similar cause occurring in the future. The review of data for the past five years does not show any trends or patterns affecting distribution substation reliability.

7.2 Distribution Substation Reliability Tracking

Each abnormal substation related outage is reviewed. Analyses are performed and corrections are made to reduce the potential for future outages because of a similar system disturbance.

7.3 Distribution Substation Reliability Problem Identification Process

Routine inspections are performed to promote reliability in substations. Inspections include visual checks on all equipment, including breakers, regulators, transformers and battery banks. The substation is verified to ensure proper signage. The fence is checked for security and proper grounding. Security lights are checked and weed problems are noted. Any abnormal condition is documented in Gulf Power's Standard Transmission Operation and Maintenance Program (STOMP) and scheduled for repair.

Preventative diagnostics on Oil Breakers are performed every two years. Preventative diagnostics on 12kV vacuum breakers are performed every four years. Preventative diagnostics on regulators are performed every year. A dissolved gas analysis is performed on transformers every year.

Power factor testing is performed on transformers every four, six, or twelve years based on the type and the presence of monitoring devices.

7.4 Distribution Substation Inspections During Normal Operations

Gulf inspected all its distribution substations at least once during 2016.

8.0 Geographic Information System (GIS)

8.1 Activity and Costs Incurred for 2016 and 2017 Projections

Gulf completed its distribution facilities mapping transition to the Distribution Geographic Information System (DistGIS) in 2009. DistGIS data continues to be updated with any additions and changes as the associated work orders for maintenance, system improvements, and new business are completed.

The Transmission system has been completely captured in the Transmission GIS database. Transmission GIS continues to be updated with any additions and changes as the associated work orders for maintenance, system improvements, and new business are completed.

Gulf intends to continue maintaining both GIS systems in 2017 and making improvements wherever practical as opportunities arise.

8.2 Distribution Overhead Data Input

All overhead distribution equipment has been captured in Gulf's DistGIS database including conductors, transformers, regulators, capacitors, and switches. This includes protective devices such as reclosers, sectionalizers, and fuses. DistGIS continues to be updated with any additions and changes as the associated work orders for maintenance, system improvements, and new business are completed. This on-going process provides Gulf with sufficient facility information for the collection of forensic data to assess the performance of the overhead system in the event of a major storm.

8.3 Distribution Underground Data Input

All underground distribution equipment has been captured in Gulf's DistGIS including conductors, transformers, regulators, and switches. This includes protective devices such as reclosers, sectionalizers, and fuses. DistGIS continues to be updated with any additions and changes as the associated work orders for maintenance, system improvements, and new business are completed. This on-going process provides Gulf with

sufficient facility information for the collection of forensic data to assess performance of the underground system in the event of a major storm.

9.0 Post Storm Data Collection and Forensic Analysis

9.1 Activity and Costs Incurred for 2016 and 2017 Projections

Distribution:

The 2016 storm season was uneventful for Gulf Power. The forensic data collection process was tested as a part of Gulf's 2016 company-wide storm drill. During the Company's annual storm drill, the forensic data collection contractor deployed crews to the field, collected data in their handheld computers, and performed all necessary data transfers that will be required to produce a forensic analysis. When Gulf's Eastern District was placed under a warning for Hurricane Hermine, the forensic data collection team was mobilized and staged near Panama City in anticipation of a hurricane landfall. However, the storm tracked to the east and did not cause any damage to Gulf's service territory. Gulf used this opportunity to test the forensic data process by collecting mock data and performing all necessary data transfers.

Gulf will continue to confirm and test the process in 2017 to ensure the Company and contractors are ready to perform post-storm forensics if needed.

Transmission:

Gulf's Transmission department's storm forensics team will be led by the transmission engineering function. Utilizing an aerial patrol with a fixed wing aircraft, the team will capture an initial assessment of the level of storm damage to the transmission system. A follow-up aerial patrol utilizing helicopters will capture GPS coordinates for each failure and record the failures with the Transmission Line Inspection System (TLIS). When ground crews arrive on the scene, the construction inspector with the crew will be responsible for assessing all damage and deciding as to the cause of the failure. Gulf's Transmission Engineering department will review all findings of the field inspection and determine if additional information should be gathered.

Gulf Power's existing Common Transmission Data Base (CTDB) will be utilized to capture all forensic information. The TLIS tool will be used to track all facility failures and create work orders to associate those failures with the affected facilities. TLIS utilizes geographic mapping software to track the location of the facilities.

10.0 Differentiating Between Overhead and Underground System Data

Gulf did experience outages and damage associated with both the overhead and underground systems including several FPSC excludable events in 2016. These outage events, including the ones excludable under the FPSC rules, did not produce any major storm related data for analysis.

10.1 Activities and Costs Incurred in 2016 and 2017 Projections

Gulf continues to record and analyze data associated with overhead and underground outages, some of which is included in Section 15.10.4.

System data is collected on each outage as it occurs using Gulf's Trouble Call Management System (TCMS). Data collected in 2016 is shown in the tables below. This data contains all outage event information including those events excluded under FPSC rules such as transmission outages, planned outages, and all other exclusions. The cost of collecting this data is minimal as existing systems and processes are utilized.

Some of the increase in underground metrics since 2015 can be attributed to improved reporting. A 2016 upgrade to TCMS included more details about the outage device being recorded in the outage ticket. This made it easier to correctly label the outage system during outage completion.

Customers	System	N	CI	CMI	Duration	SAIDI	SAIFI	CAIDI	L-Bar
455,415	Overhead	16,261	626,064	60,583,453	1,680,368	133.03	1.375	96.77	103.34
455,415	URD - Direct Burial	530	11,823	1,839,395	84,358	4.04	0.026	155.58	159.17
455,415	URD - In Conduit	218	3,800	425,288	26,439	0.93	0.008	111.92	121.28
455,415	URD - Injected	10	221	35,657	2,057	0.08	0.000	161.34	205.70
455,415	URD - Undetermined	1,302	33,109	4,165,791	173,044	9.15	0.073	125.82	132.91

Customers	Failure	N	CI	CMI	Duration	SAIDI	SAIFI	CAIDI	L-Bar
455,415	Pole - Wood	12	1,563	133,799	2,728	0.29	0.003	85.60	227.33

11.0 Coordination with Local Governments

Gulf is committed to coordinating with local governments on major projects and storm preparedness so that the customer will have the most reliable and efficient restoration of their electrical service. For all major projects, Gulf meets with governmental entities as appropriate to discuss the scope of the projects and coordinate activities involved with project implementation. Gulf also works very closely with the county Emergency Operation Centers (EOCs) in its service area for storm preparedness and restoration activities and actively pursues a positive and cooperative relationship with the leadership in every community served.

Gulf Power has been involved in several meetings and provided information to the PSC as well as the State EOC agencies around coordination of federal and state facilities that may be in our service area. Gulf will continue to work with all governmental agencies to prioritize and communicate outage and restoration information before, during, and following major events.

In addition, Gulf maintains year-round contact with officials to ensure cooperation in planning, good communications, and coordination of activities. Gulf has designated employees in every community whose job is to keep in regular contact with city, county, state, and business leadership.

The mission of Gulf Power is to *safely provide exceptional customer value by delivering reliable, affordable, and environmentally responsible electricity while strengthening our communities.*

11.1 Ongoing Programs

Gulf has several employees with local government liaison responsibilities in Northwest Florida. District managers are in Pensacola, Ft. Walton, and Panama City. Local managers, who report to the district managers, are in Milton, Crestview, and Chipley. These and other Gulf employees interact with city and county personnel on a daily/weekly basis regarding numerous issues, including emergency preparedness as needed. Gulf employees are also actively involved in specific government/business committees that focus on emergency preparedness needs in Northwest Florida. Examples of those include:

- Gulf's Corporate Emergency Management Center Specialist is a Board Member of BRACE (Be Ready Alliance for Coordinating for Emergencies). BRACE is an Escambia County organization unique to Florida, but part of a federal government directive that encourages communities to develop more effective preparedness programs for various types of disasters.

- Member of the Okaloosa County Community Emergency Response Team (CERT). This Committee is a coordinated effort between government and business to address emergency preparedness issues monthly.

Gulf's Line Clearance Specialists and Forestry Services Technicians communicate routinely with members of the community, government officials, and military leaders concerning area vegetation management projects and other issues such as: (1) new customer and Gulf construction projects; (2) utility right-of-way maintenance; (3) major initial clearing projects (i.e. road additions and re-sizing projects, new distribution feeders, water and sewer projects, military projects and missions, etc.); and (4) storm preparation and recovery activities. Routine communications range from office and field visits to phone and radio conversations.

In addition to numerous planning meetings with the EOCs, Gulf personnel also participated in the following hurricane activities with governmental entities in 2016:

- Hurricane Drills
- All Local and State EOC Activations
- EOC Representative Training
- Statewide Exercises

Gulf also conducted a storm drill on May 3, 2016, as it normally does each year.

11.2 Storm Preparation

Thirteen Gulf employees are assigned to the county EOCs throughout Northwest Florida. Each of these employees has received federal certification under the National Incident Management System (NIMS) through the Federal Emergency Management Agency (FEMA). These EOC Representatives assist city and county agencies and officials during emergencies that warrant activation of the county EOCs. Gulf provides 24-hour coverage throughout the duration of the EOC activation and keeps the agencies and officials informed of the progress of electrical restoration efforts. All actions are based on Gulf Power's Emergency Operations Plan.

Gulf also has representation available at the State EOC to support restoration activities and communicate with state and FPSC officials.

Gulf's Emergency Operations Plan includes pre-storm communications, ongoing communications, and post-storm communications supplied by the Corporate Communications Department. Company News Releases are

delivered to the EOCs at least twice daily during storm restoration events to keep local government agencies and officials apprised of the latest restoration activities.

11.3 Storm Restoration

Gulf maintains an active communication link with the activated county and state EOCs for storm events. Gulf EOC Representatives coordinate pre-storm activities with the EOCs to establish emergency communication links with local and state officials, the media, and restoration crews for all EOC activations.

Gulf strives to restore emergency services as safely and quickly as possible. In addition, Gulf continues to storm-harden critical infrastructure, and implement stronger construction standards as outlined in the 2016 – 2018 Storm Hardening Plan. Gulf's service area was not adversely affected by named storms in 2016. Three tornados impacted the Gulf Power system during 2016. Two in the Western District and one in the Central District. Both of these events were handled by the local district offices. During the February events, Gulf did activate our mutual assistance plan within Southern Company and additional offsite crews responded during the events, which allowed the restoration efforts to continue through the night. Gulf did activate the CEMC in preparation for Hurricane Hermine in September, and remained engaged in assisting other utilities that received heavy damage from the storm. Personnel were assigned to work with the EOCs to facilitate communications during all of these events.

12.0 Collaborative Research

As a Public Utility Research Center (PURC) member, Gulf participates in the research activities for Storm Hardening as described by PURC management in Appendix 4.

13.0 Disaster Preparedness and Recovery Plan

Gulf Power continues to maintain a Disaster Preparedness and Recovery Plan (Gulf's Storm Restoration Procedures Manual).

13.1 Activity and Costs Incurred for 2016 and 2017 Projections

Gulf continues to provide annual refresher training (instructor lead and computer based) in storm preparedness for various storm roles at minimal cost.

It is anticipated that there will be less than \$20,000 incurred for expenditures associated with the activation of the Company Emergency Management Center (CEMC) as part of the 2017 storm drill.

13.2 Disaster Recovery Plan Activity

Gulf's 2017 Storm Restoration Procedures Manual is currently being revised and reviewed by management. Any revisions to this manual will be incorporated by April 1, 2017. Storm assignments and training schedules are being finalized with plans for training to be completed prior to hurricane season.

13.3 Hurricane Drill

Gulf's hurricane drill was held on May 3, 2016. The 2016 drill was a company-wide drill with full activation of the Emergency Management Center. The drill involved as many employees and functions as possible to test the process and train employees in critical job functions. Many areas were challenged with unexpected scenarios that helped teams to understand their role and react to an ever-changing post storm environment. Substation Team Leaders and Evaluator teams activated substations and went through mock switching and patrolling of feeders. Follow-up meetings were held afterward to discuss changes and best practices that needed to be implemented for the 2016 storm season. The drill was extremely successful and provided a wide range of participation for all employees.

The 2017 annual drill is scheduled for May 16th. This year the Company plans include activating the CEMC, and a multi-day intense training, and hands on experience for key employees such as Substation Team Leaders to provide an opportunity to understand and become comfortable with their critical role. Follow-up drills at each substation during the week will provide opportunity to relay information to team members and practice in the field.

14.0 Storm Season Ready Status

Storm Recovery Plan

Gulf uses the strategy described in its Storm Restoration Procedures Manual to respond to any natural disaster that may occur in Gulf's service area. This plan proved to be very effective in the recovery from two historic tornados in February just 8 days apart. Both resulted in extensive damage to the communities that Gulf Power serves. Gulf Power was also very active during 2016 with providing support and mutual assistance to other utilities following ice storms, severe thunderstorms, and two hurricanes. Crews and support personnel worked in Florida and Georgia following both Hurricanes Hermine and Matthew. Gulf's mutual assistance restoration efforts were recognized when the Company was named a winner of the Edison Electric Institute Emergency Response Award in January 2017.

As part of its annual operations and culture of preparedness, Gulf continues to review and refine its planning and preparations for the possibility of another natural disaster in the Florida panhandle. Plans are updated annually to build on what has worked well and to review areas that still require additional improvement. In these updates, Gulf strives for continuous improvement by building on experiences from recovery efforts within northwest Florida as well as from lessons learned while assisting other utilities that have experienced natural disasters.

Gulf's plan has been incorporated within a detailed and proprietary Storm Recovery Plan procedure manual. The restoration procedures establish a plan of action to be utilized for the operation and restoration of generation, transmission, and distribution facilities during major disasters. Such disasters include hurricanes, tornadoes, ice, and flood events that could cause widespread outages to Gulf's customers.

The overall objective is to restore electric service to Gulf's customers as quickly as possible while protecting the safety of everyone involved.

The Company acquires support from a number of resources, including but not limited to, the Southeastern Electric Exchange (SEE) Mutual Assistance Group and Southern Company for distribution, logistics, and transmission assistance.

In the logistics and support areas, contracts are negotiated and confirmed with vendors for services such as food, lodging, materials, transportation, fuel, and other support functions. Staging sites are secured, and if needed, agreements are negotiated and signed. Gulf's Supply Chain Management department ensures that materials on hand, along with additional materials available from material vendors, are sufficient to meet the anticipated demands of the storm season.

15.0 2016 Reliability Performance

15.1 Overall Performance

Gulf Power's 2016 Adjusted System Average Interruption Duration Index (SAIDI) is reported as 94.8 minutes, an increase of 6.6 minutes over the 2015 results. In 2016, the Adjusted System Average Interruption Frequency Index (SAIFI) was 1.138 interruptions; up from 1.020 interruptions in 2015, an increase of 0.118 interruptions.

Gulf Power's Actual Metrics increased from 103.02 SAIDI to 147.23 SAIDI, a 43% increase. SAIFI increased from 1.242 to 1.482, a 19% increase. The Adjusted Customer Average Interruption Index (CAIDI) is reported as 83.34 minutes, a change from 86.46 minutes in 2015 (3.6% decrease).

The Adjusted Momentary Average Interruption Frequency Index (MAIFIE) and associated momentary interruptions that Gulf Power's customers experienced decreased to 2.14 in 2016 compared to 2.23 in 2015. In

2016, the percent of customers experiencing more than 5 interruptions – Customer Experiencing More Interruptions than 5 (CEMI5), increased to 0.91% compared to 0.76% in 2016.

Actual Average Duration of Outage Events (L-Bar) increased from 97.08 to 107.32 in 2016. Adjusted L-Bar decreased from 112.42 to 106.91 in 2016. Gulf Power’s Total Adjusted Number of Outages (N) increased from 10,280 to 11,944 in 2016.

Gulf experienced two severe weather events in 2016 that involved EOC openings and three tornadoes. These are listed in Section 15.7. See Appendix 1 for 2016 actual data and adjusted data

15.2 Data Tracking Level

Gulf continues to collect outage data down to the customer meter level using the Trouble Call Management System (TCMS).

15.3 Critical Review of Detailed Reliability Data

In 2016, Gulf experienced four days with widespread outages due to severe thunderstorms that did not meet the FPSC exclusion criteria. These four days accounted for 19% of Adjusted SAIDI and 15% of Adjusted SAIFI. A major driver of outages during these days was high wind speeds.

Event	District	N	CI	CMI	SAIDI	SAIFI
01/22 – Severe Thunderstorms	Central	26	6,521	601,114	1.32	0.014
	Eastern	24	325	19,095	0.04	0.001
	Western	130	12,769	1,701,933	3.74	0.028
	System	180	19,615	2,322,142	5.10	0.043
05/20 – Severe Thunderstorms	Central	31	10,550	605,509	1.33	0.023
	Eastern	14	4,377	224,627	0.49	0.010
	Western	140	11,036	1,285,265	2.82	0.024
	System	222	20,499	1,668,568	3.66	0.045
06/17 – Severe Thunderstorms	Central	27	1,266	154,619	0.34	0.003
	Eastern	30	1,801	194,266	0.43	0.004
	Western	91	9,669	1,616,137	3.55	0.021
	System	148	12,736	1,965,023	4.31	0.028
08/04 – Severe Thunderstorms	Central	51	3,517	305,472	0.67	0.008
	Eastern	57	7,170	639,350	1.40	0.016
	Western	114	9,812	723,746	1.59	0.022
	System	185	25,963	2,115,401	4.64	0.057

Wind Speeds in Panhandle, FL During Severe Weather Days (MPH)				
Day	District (City)	Wind Speed	Max Wind Speed	Max Gust Speed
01/22	Central (Crestview)	13	29	44
	Eastern (Panama City)	18	31	43
	Western (Pensacola)	21	37	47
05/20	Central (Fort Walton)	8	23	37
	Eastern (Panama City)	8	23	37
	Western (Pensacola)	10	35	47
06/17	Central (Fort Walton)	10	33	48
	Eastern (Panama City Bch)	9	37	48
	Western (Pensacola)	11	30	41
08/04	Central (Fort Walton)	4	15	9
	Eastern (Panama City Bch)	4	20	24
	Western (Pensacola)	6	29	37

Excluding these four days would reduce Gulf's Adjusted SAIDI to 77.1 and SAIFI to 0.965 which would be a decrease from 88.2 and 1.020 in 2015.

15.4 Identification and Selection of Detailed Reliability Data

The identification and selection of detailed reliability data continues to be a part of Gulf's TCMS process. Gulf's outage data collection captures information down to the customer level. Gulf reviews outage data and the resulting reliability indices at the system level and by its three districts – Western, Central, and Eastern.

15.5 Generation Events – Adjustments

No generation events were excluded from distribution reliability reporting in 2016.

15.6 Transmission Events – Adjustments

See Appendix 1 for transmission excluded events and associated outage causes and resolutions for 2016.

15.7 Extreme Weather – Adjustments

Exclusion Events	N	CI	CMI	SAIDI	SAIFI
01/22 - Tornado	35	4,254	299,342	0.66	0.009
02/15 - Severe Weather/EOC Opened	333	42,583	10,888,844	23.91	0.094
02/15 - Tornado	19	820	829,737	1.82	0.002
02/23 - Severe Weather/EOC Opened	346	20,916	7,595,353	16.68	0.046
11/30 - Tornado	10	4,336	481,526	1.06	0.010

15.8 Other Distribution Adjustments

Please see Appendix 1 for the document exclusions table and details associated with planned outage exclusions.

15.9 Adjusted Reliability

15.9.1 Outage Event Causes

15.9.1.1 Five-Year Patterns

Below are trending tables showing the number of outages (N), SAIDI, and SAIFI. The tables show the percentage change over the previous five years for the eight categories of outage causes. Each table shows results by District and for the total company.

Gulf is still analyzing the 2016 data to determine the need for any specific improvement activities beyond current programs and storm hardening initiatives.

Cause	System Totals						
Region	Data	2011	2012	2013	2014	2015	2016
Central	N	2,371	2,820	2,308	2,503	2,541	2,866
	% Change	-5%	19%	-18%	8%	2%	13%
Eastern	N	1,753	1,982	2,087	1,961	2,010	2,630
	% Change	-8%	13%	5%	-6%	2%	31%
Western	N	5,465	6,148	5,536	4,533	5,729	6,448
	% Change	-8%	12%	-10%	-18%	26%	13%
Company	N	9,589	10,950	9,931	8,997	10,280	11,944
	% Change	-7%	14%	-9%	-9%	14%	16%

Cause	Animals						
Region	Data	2011	2012	2013	2014	2015	2016
Central	N	843	1,174	778	701	860	1,070
	% Change	-1%	39%	-34%	-10%	23%	24%
Eastern	N	338	377	371	303	303	487
	% Change	-2%	12%	-2%	-18%	0%	61%
Western	N	1,832	2,034	1,708	1,128	1,580	2,000
	% Change	3%	11%	-16%	-34%	40%	27%
Company	N	3,013	3,585	2,857	2,132	2,743	3,557
	% Change	2%	19%	-20%	-25%	29%	30%

Cause	Defective Equipment						
Region	Data	2011	2012	2013	2014	2015	2016
Central	N	529	604	554	574	578	639
	% Change	-24%	14%	-8%	4%	1%	11%
Eastern	N	531	649	601	538	611	716
	% Change	-15%	22%	-7%	-11%	14%	17%
Western	N	1,182	1,308	1,222	1,145	1,151	1,359
	% Change	-25%	11%	-7%	-6%	1%	18%
Company	N	2,242	2,561	2,377	2,257	2,340	2,714
	% Change	-23%	14%	-7%	-5%	4%	16%

Cause	Vegetation						
Region	Data	2011	2012	2013	2014	2015	2016
Central	N	259	265	335	298	336	341
	% Change	2%	2%	26%	-11%	13%	1%
Eastern	N	289	294	365	333	358	457
	% Change	5%	2%	24%	-9%	8%	28%
Western	N	813	795	891	663	1,194	1,156
	% Change	0%	-2%	12%	-26%	80%	-3%
Company	N	1,361	1,354	1,591	1,294	1,888	1,954
	% Change	2%	-1%	18%	-19%	46%	3%

Cause	Lightning						
Region	Data	2011	2012	2013	2014	2015	2016
Central	N	385	334	241	431	342	368
	% Change	29%	-13%	-28%	79%	-21%	8%
Eastern	N	282	343	334	418	376	449
	% Change	-8%	22%	-3%	25%	-10%	19%
Western	N	860	1,198	877	978	1,070	1,096
	% Change	-11%	39%	-27%	12%	9%	2%
Company	N	1,527	1,875	1,452	1,827	1,788	1,913
	% Change	-3%	23%	-23%	26%	-2%	7%

Cause	Unknown						
Region	Data	2011	2012	2013	2014	2015	2016
Central	N	200	206	206	204	182	190
	% Change	18%	3%	0%	-1%	-11%	4%
Eastern	N	154	160	186	151	167	219
	% Change	13%	4%	16%	-19%	11%	31%
Western	N	337	310	323	202	249	339
	% Change	1%	-8%	4%	-38%	23%	36%
Company	N	691	676	715	557	598	748
	% Change	8%	-2%	6%	-22%	7%	25%

Cause	Vehicle						
Region	Data	2011	2012	2013	2014	2015	2016
Central	N	57	64	51	75	77	87
	% Change	0%	12%	-20%	47%	3%	13%
Eastern	N	67	51	65	72	67	119
	% Change	2%	-24%	28%	11%	-7%	78%
Western	N	125	160	156	142	149	175
	% Change	-11%	28%	-3%	-9%	5%	17%
Company	N	249	275	272	289	293	381
	% Change	-6%	10%	-1%	6%	1%	30%

Cause	Other Weather						
Region	Data	2011	2012	2013	2014	2015	2016
Central	N	8	47	46	99	70	57
	% Change	-78%	488%	-2%	115%	29%	-19%
Eastern	N	21	33	67	43	30	61
	% Change	-54%	57%	103%	-36%	30%	103%
Western	N	56	125	136	54	151	102
	% Change	-16%	123%	9%	-60%	-180%	-32%
Company	N	85	205	249	196	251	220
	% Change	-43%	141%	22%	-21%	-28%	-12%

Cause	All Other Causes						
Region	Data	2011	2012	2013	2014	2015	2016
Central	N	90	126	97	121	96	114
	% Change	-35%	40%	-23%	25%	21%	19%
Eastern	N	71	75	98	103	98	122
	% Change	-37%	6%	31%	5%	5%	24%
Western	N	260	218	223	221	185	221
	% Change	-1%	-16%	2%	-1%	16%	19%
Company	N	421	419	418	445	379	457
	% Change	-18%	-1%	0%	7%	15%	21%

The SAIDI and SAIFI Trend Tables for the top causes are shown below:

Cause	System Totals						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIDI	89.90	110.06	62.28	115.05	75.35	91.49
	% Change	-22%	22%	-43%	85%	-35%	21%
Eastern	SAIDI	110.29	88.24	118.36	72.83	59.19	93.23
	% Change	-17%	-20%	34%	-39%	-19%	58%
Western	SAIDI	123.49	128.04	99.67	81.49	110.23	97.36
	% Change	-27%	4%	-22%	-18%	35%	-12%
Company	SAIDI	111.46	113.20	94.82	87.91	88.20	94.80
	% Change	-24%	2%	-16%	-7%	0%	7%

Cause	System Totals						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIFI	1.086	1.163	0.792	1.074	0.815	1.039
	% Change	-31%	7%	-32%	36%	-24%	27%
Eastern	SAIFI	1.309	0.932	1.252	0.785	0.859	1.213
	% Change	-20%	-29%	34%	-37%	9%	41%
Western	SAIFI	1.301	1.277	1.141	0.939	1.213	1.150
	% Change	-31%	-2%	-11%	-18%	29%	-5%
Company	SAIFI	1.247	1.159	1.080	0.934	1.020	1.138
	% Change	-28%	-7%	-7%	-14%	9%	12%

Cause	Animals						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIDI	7.66	14.85	8.58	5.32	8.38	8.40
	% Change	-13%	94%	-42%	-38%	58%	0%
Eastern	SAIDI	3.94	4.72	7.13	6.23	2.60	4.18
	% Change	-60%	20%	51%	-13%	-58%	61%
Western	SAIDI	7.81	7.96	6.96	3.62	7.16	6.79
	% Change	-42%	2%	-13%	-48%	98%	-5%
Company	SAIDI	6.78	8.90	7.42	4.73	6.31	6.53
	% Change	-40%	31%	-17%	-36%	33%	3%

Cause	Animals						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIFI	0.132	0.231	0.144	0.093	0.125	0.129
	% Change	-28%	75%	-38%	-35%	34%	3%
Eastern	SAIFI	0.080	0.045	0.087	0.072	0.057	0.070
	% Change	-23%	-44%	93%	-17%	-21%	23%
Western	SAIFI	0.121	0.131	0.128	0.056	0.158	0.104
	% Change	-30%	8%	-2%	-56%	182%	-34%
Company	SAIFI	0.113	0.135	0.122	0.070	0.124	0.102
	% Change	-28%	20%	-10%	-43%	77%	-18%

Cause	Defective Equipment						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIDI	22.90	21.71	14.53	16.18	20.94	21.80
	% Change	-34%	-5%	-33%	11%	29%	4%
Eastern	SAIDI	23.25	19.63	24.23	16.28	19.51	20.55
	% Change	-44%	-16%	23%	-33%	20%	5%
Western	SAIDI	23.65	24.12	19.97	18.29	17.25	18.52
	% Change	-52%	2%	-17%	-8%	-6%	7%
Company	SAIDI	23.35	22.34	19.66	17.23	18.78	19.88
	% Change	-47%	-4%	-12%	-12%	9%	6%

Cause	Defective Equipment						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIFI	0.222	0.223	0.128	0.149	0.196	0.287
	% Change	-45%	1%	-43%	16%	32%	46%
Eastern	SAIFI	0.280	0.170	0.221	0.177	0.213	0.221
	% Change	-39%	-39%	30%	-20%	20%	4%
Western	SAIFI	0.225	0.254	0.200	0.188	0.222	0.219
	% Change	-59%	13%	-21%	-6%	18%	-1%
Company	SAIFI	0.239	0.224	0.187	0.175	0.213	0.237
	% Change	-51%	-6%	-17%	-6%	22%	11%

Cause	Vegetation						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIDI	10.03	5.18	10.12	12.58	4.35	8.55
	% Change	2%	-48%	95%	24%	-65%	97%
Eastern	SAIDI	13.35	19.33	26.29	8.78	8.27	19.24
	% Change	-31%	45%	36%	-67%	-6%	133%
Western	SAIDI	25.61	24.54	20.42	13.85	32.42	18.20
	% Change	0%	-4%	-17%	-32%	134%	-44%
Company	SAIDI	18.46	18.22	19.27	12.22	19.02	15.99
	% Change	-8%	-1%	6%	-37%	56%	-16%

Cause	Vegetation						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIFI	0.106	0.047	0.090	0.106	0.054	0.069
	% Change	38%	-56%	92%	18%	-49%	28%
Eastern	SAIFI	0.138	0.127	0.231	0.081	0.107	0.213
	% Change	-27%	-8%	82%	-65%	33%	99%
Western	SAIFI	0.222	0.161	0.210	0.142	0.242	0.178
	% Change	1%	-28%	30%	-32%	70%	-26%
Company	SAIFI	0.171	0.123	0.185	0.117	0.159	0.159
	% Change	-2%	-28%	50%	-37%	36%	0%

Cause	Lightning						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIDI	29.37	23.16	11.77	20.80	15.89	13.54
	% Change	69%	-21%	-49%	77%	-24%	-15%
Eastern	SAIDI	26.52	25.77	20.94	20.23	13.49	18.91
	% Change	67%	-3%	-19%	-3%	-33%	40%
Western	SAIDI	28.41	37.02	24.22	19.82	31.27	24.71
	% Change	-16%	30%	-35%	-18%	58%	-21%
Company	SAIDI	28.17	30.57	20.18	20.18	22.76	20.36
	% Change	13%	9%	-34%	0%	13%	-11%

Cause	Lightning						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIFI	0.269	0.214	0.141	0.162	0.142	0.122
	% Change	55%	-20%	-34%	15%	-12%	-14%
Eastern	SAIFI	0.237	0.276	0.207	0.157	0.186	0.221
	% Change	96%	17%	-25%	-24%	18%	19%
Western	SAIFI	0.249	0.295	0.184	0.225	0.292	0.253
	% Change	-2%	19%	-38%	22%	30%	-13%
Company	SAIFI	0.251	0.269	0.179	0.191	0.226	0.211
	% Change	26%	7%	-34%	7%	18%	-7%

Cause	Unknown						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIDI	8.09	13.82	8.55	6.26	4.15	3.04
	% Change	-11%	71%	-38%	-27%	-34%	-27%
Eastern	SAIDI	19.37	6.37	8.89	3.80	3.48	10.11
	% Change	44%	-67%	40%	-57%	-8%	191%
Western	SAIDI	11.35	7.43	5.43	8.68	3.12	4.94
	% Change	13%	-35%	-27%	60%	-64%	58%
Company	SAIDI	12.58	8.80	7.12	6.81	3.48	5.78
	% Change	18%	-30%	-19%	-4%	-49%	66%

Cause	Unknown						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIFI	0.115	0.136	0.157	0.113	0.071	0.049
	% Change	-21%	18%	15%	-28%	-37%	-31%
Eastern	SAIFI	0.206	0.130	0.107	0.062	0.072	0.158
	% Change	60%	-37%	-18%	-42%	16%	119%
Western	SAIFI	0.141	0.130	0.101	0.100	0.078	0.084
	% Change	-3%	-8%	-22%	-1%	-22%	8%
Company	SAIFI	0.151	0.131	0.117	0.094	0.075	0.094
	% Change	6%	-13%	-11%	-20%	-20%	25%

Cause	Vehicle						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIDI	7.99	9.98	3.12	21.48	14.91	18.34
	% Change	-7%	25%	-69%	589%	-31%	23%
Eastern	SAIDI	13.88	5.90	11.28	11.25	4.79	10.39
	% Change	55%	-58%	91%	0%	-57%	117%
Western	SAIDI	10.40	15.83	10.70	10.93	9.70	11.38
	% Change	-57%	52%	-32%	2%	-11%	17%
Company	SAIDI	10.67	11.77	8.90	13.73	9.78	12.91
	% Change	-34%	10%	-24%	54%	-29%	32%

Cause	Vehicle						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIFI	0.074	0.096	0.026	0.145	0.110	0.099
	% Change	7%	30%	-73%	458%	-24%	-10%
Eastern	SAIFI	0.236	0.053	0.092	0.105	0.036	0.079
	% Change	67%	-78%	74%	14%	-66%	119%
Western	SAIFI	0.102	0.138	0.114	0.076	0.080	0.119
	% Change	-39%	35%	-17%	-33%	5%	49%
Company	SAIFI	0.130	0.105	0.086	0.101	0.077	0.103
	% Change	-4%	-19%	-18%	17%	-24%	34%

Cause	Other Weather						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIDI	0.83	5.34	1.70	15.47	2.52	5.89
	% Change	-49%	543%	-68%	810%	-84%	134%
Eastern	SAIDI	1.91	1.26	13.13	2.86	3.01	1.27
	% Change	-57%	-34%	942%	-78%	5%	-58%
Western	SAIDI	3.92	5.88	5.39	1.05	6.53	8.20
	% Change	27%	50%	-8%	-81%	-522%	26%
Company	SAIDI	2.61	4.56	6.42	5.23	4.59	5.83
	% Change	-15%	75%	41%	-19%	-12%	27%

Cause	Other Weather						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIFI	0.003	0.053	0.014	0.129	0.026	0.061
	% Change	-75%	1667%	-74%	821%	-80%	135%
Eastern	SAIFI	0.014	0.018	0.124	0.047	0.052	0.020
	% Change	-78%	29%	589%	-62%	11%	-62%
Western	SAIFI	0.029	0.032	0.052	0.020	0.046	0.073
	% Change	16%	10%	63%	-62%	-130%	59%
Company	SAIFI	0.019	0.034	0.061	0.055	0.042	0.056
	% Change	-39%	79%	79%	-10%	24%	33%

Cause	All Other Causes						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIDI	3.02	16.02	3.92	16.96	4.20	11.92
	% Change	-88%	431%	-76%	333%	-75%	184%
Eastern	SAIDI	8.05	5.26	6.46	3.40	4.05	8.57
	% Change	-60%	-35%	23%	-47%	19%	112%
Western	SAIDI	12.35	5.27	6.57	5.25	2.79	4.62
	% Change	46%	-57%	25%	-20%	-47%	66%
Company	SAIDI	8.85	8.03	5.86	7.79	3.48	7.50
	% Change	-44%	-9%	-27%	33%	-55%	116%

Cause	All Other Causes						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIFI	0.164	0.164	0.093	0.178	0.093	0.222
	% Change	-68%	0%	-43%	91%	-48%	139%
Eastern	SAIFI	0.117	0.114	0.182	0.084	0.135	0.231
	% Change	-73%	-3%	60%	-54%	61%	71%
Western	SAIFI	0.211	0.137	0.151	0.132	0.094	0.120
	% Change	-40%	-35%	10%	-13%	-29%	28%
Company	SAIFI	0.175	0.138	0.144	0.131	0.104	0.175
	% Change	-58%	-21%	4%	-9%	-21%	68%

15.9.1.2 Identification and Selection/Process Improvements

Gulf continues to focus its process improvement efforts on the system wide top outage causes through its existing programs and storm hardening efforts.

15.9.1.3 2016 Activities and Budget Allowances

It is not practical to provide an itemized list of all activities that Gulf includes in its budget related to distribution reliability. Gulf's budget and accounting systems do not separately categorize and track capital expenditures or Operating and Maintenance (O&M) expenses on the basis that they are related specifically to distribution reliability. Virtually all distribution functional capital projects and O&M expenses have been or will be undertaken as part of Gulf's commitment to provide customers with reliable and high quality electric service.

Gulf's Vegetation Management Program is an exception to the above. The activities and budgets associated with this program are provided in Section 3.0.

15.9.2 Three Percent Feeder List

15.9.2.1 Five-Year Patterns

Gulf Power had two feeders in the 2016 Actual report that appeared on the 2015 report; Vernon 9522 and Sunny Hills 9592. None of the feeders on the Adjusted report were listed in 2015. Only one feeder, Vernon 9522 had been listed in the past five years (in 2013).

There were five actual events listed for Vernon 9522 in 2016, two of which were a Planned Outage (4 minutes) and a Transmission outage (14 minutes). Sunny Hills 9592 had four outages, two of which were short planned outages on the same day to install new regulators.

These feeders are some of Gulf's longest, resulting in increased exposure to trees and sources of faults. Vernon 9522 is Gulf's longest feeder with 180 miles of line. Sunny Hills 9592 is fourth longest with 134 miles of line.

In 2016, Gulf replaced 14 hydraulic reclosers with electronic smart reclosers on Vernon 9522 and replaced 9 hydraulic reclosers with electronic smart reclosers on Sunny Hills 9592. This should improve the feeders' response to faults and reduce customers impacted by outages. Additional reviews of the feeders will be conducted to determine if any other improvements need to be made to improve overall performance.

15.9.2.2 Identification and Selection/Process Improvements

Gulf continues to focus its system wide improvement efforts on the top outage causes with its existing programs and storm hardening efforts.

15.9.2.3 2016 Activities and Budget Allowances

Please see the response to Section 15.9.1.3 for 2016 activities and budget allowances.

15.9.3 Regional Reliability Indices

15.9.3.1 Five-Year Patterns

Please see tables given in Section 15.9.1.1.

15.9.3.2 Identification and Selection/Process Improvements

Gulf continues to focus its system wide improvement efforts on the top outage causes with its existing programs and storm hardening efforts.

15.9.3.3 2016 Activities and Budget Allowances

Please see the discussion in Section 15.9.1.3 for 2016 Activities and Budget allowances.

15.10 Overhead – Underground Reliability

15.10.1 Five-Year Patterns

NOTE: % Change is from one year to the next.

System	Overhead						
Region	Data	2011	2012	2013	2014	2015	2016
Central	N	2,097	2,539	2,030	2,296	2,296	2,564
	% Change	-5%	21%	-20%	13%	0%	12%
Eastern	N	1,521	1,718	1,851	1,748	1,791	2,332
	% Change	-9%	13%	8%	-6%	2%	30%
Western	N	5,019	5,594	5,042	4,146	5,253	5,830
	% Change	-7%	11%	-10%	-18%	27%	11%
Company	N	8,637	9,851	8,923	8,190	9,340	10,726
	% Change	-7%	14%	-9%	-8%	14%	15%

System	Underground						
Region	Data	2011	2012	2013	2014	2015	2016
Central	N	274	281	278	207	245	302
	% Change	-5%	3%	-1%	-26%	18%	23%
Eastern	N	232	264	236	213	219	298
	% Change	-5%	14%	-11%	-10%	3%	36%
Western	N	446	554	494	387	476	618
	% Change	-14%	24%	-11%	-22%	23%	30%
Company	N	952	1,009	1,008	807	940	1,218
	% Change	-9%	6%	0%	-20%	16%	30%

System	Overhead						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIDI	81.89	189.14	98.28	202.09	131.78	144.86
	% Change	-24%	131%	-48%	106%	-35%	10%
Eastern	SAIDI	97.16	133.90	199.22	120.06	100.60	150.93
	% Change	-20%	38%	48.78%	-40%	-16%	50%
Western	SAIDI	115.31	191.25	146.23	122.91	165.33	144.40
	% Change	-27%	66%	-24%	-16%	35%	-13%
Company	SAIDI	102.05	176.93	147.60	140.95	141.88	146.07
	% Change	-25%	73%	-17%	-5%	1%	3%

System	Underground						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIDI	8.02	19.82	22.14	18.51	13.52	34.29
	% Change	8%	147%	12%	-16%	-27%	154%
Eastern	SAIDI	13.13	34.96	23.47	18.66	12.12	29.36
	% Change	13%	166%	-33%	-20%	-35%	142%
Western	SAIDI	8.18	24.44	25.31	15.42	24.07	25.06
	% Change	-24%	199%	4%	-39%	56%	4%
Company	SAIDI	9.41	26.04	23.87	17.23	17.66	28.93
	% Change	-7%	177%	-8%	-28%	2%	64%

System	Overhead						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIFI	1.036	2.054	1.358	1.939	1.493	1.777
	% Change	-32%	98%	-34%	43%	-23%	19%
Eastern	SAIFI	1.241	1.537	2.165	1.371	1.535	2.148
	% Change	-21%	24%	41%	-37%	12%	40%
Western	SAIFI	1.256	1.963	1.757	1.472	1.887	1.776
	% Change	-31%	56%	-10%	-16%	28%	-6%
Company	SAIFI	1.195	1.882	1.761	1.558	1.709	1.865
	% Change	-29%	57%	-6%	-12%	10%	9%

System	Underground						
Region	Data	2011	2012	2013	2014	2015	2016
Central	SAIFI	0.050	0.143	0.154	0.111	0.070	0.241
	% Change	-9%	186%	7%	-28%	-37%	244%
Eastern	SAIFI	0.068	0.214	0.176	0.107	0.084	0.163
	% Change	-89%	215%	-18%	-39%	-21%	94%
Western	SAIFI	0.045	0.143	0.142	0.080	0.149	0.176
	% Change	-34%	218%	0%	-44%	86%	18%
Company	SAIFI	0.052	0.163	0.155	0.097	0.108	0.191
	% Change	-19%	213%	-5%	-38%	11%	77%

15.10.2 Identification and Selection/Process Improvements

Gulf continues to focus its system wide improvement efforts on the top outage causes with its existing programs and storm hardening efforts.

15.10.3 2016 Activities and Budget Allowances

Please see Section 10.0.

15.10.4 Overhead (OH) and Underground (UG) Metrics

Please see Appendix 3 for specific feeder data for Gulf's overhead and underground lines.

The tables below represent adjusted reliability metrics for Gulf's overhead and underground system for 2016.

Some of the increase in underground metrics since 2015 can be attributed to improved reporting. A 2016 upgrade to Gulf's Trouble Call Management System (TCMS) included more detail about the outage device recorded in the outage ticket. This made it easier to correctly label the outage system during outage completion.

System	District	Miles	Customers	N	Duration	CMI	CI
Overhead	Central	1,140	60,975	2,564	244,636	8,833,143	108,350
	Eastern	1,530	61,943	2,332	231,870	9,348,796	133,068
	Western	3,142	135,721	5,830	583,939	19,598,506	241,063
	System	5,812	258,639	10,726	1,060,445	37,780,445	482,481
Underground	Central	447	53,886	302	58,629	1,847,603	12,965
	Eastern	479	52,169	298	46,979	1,531,849	8,495
	Western	980	80,335	618	110,825	2,012,859	14,102
	System	1,906	186,389	1,218	216,432	5,392,311	35,562

System	District	SAIDI	SAIFI	SAIDI / mile	L-Bar	CI / N	CAIDI
Overhead	Central	144.86	1.777	0.13	95.41	42.3	81.52
	Eastern	150.93	2.148	0.10	99.43	57.1	70.26
	Western	144.40	1.776	0.05	100.16	41.3	81.30
	System	146.07	1.865	0.03	98.87	45.0	78.30
Underground	Central	34.29	0.241	0.08	194.14	42.9	142.51
	Eastern	29.36	0.163	0.06	157.65	28.5	180.32
	Western	25.06	0.176	0.03	179.33	22.8	142.74
	System	28.93	0.191	0.02	177.69	29.2	151.63

Note: Total Customers above are from Gulf's Trouble Call Management System, which does not include non-metered accounts.

A review of the above data continues to reinforce observations made in previous Reliability Reports. The new construction growth of Gulf's underground distribution facilities continues to outpace overhead construction due to customer demand based on aesthetics. However, continued analysis of the available

overhead and underground data along with associated metrics does not support the use of underground construction as a storm hardening option at this time.

15.11 Reliability Related Customer Complaints

15.11.1 Five-Year Patterns

Gulf Power management reviews a monthly report which supplies data on FPSC complaints and inquiries. Gulf Power's complaint activity as reflected in the FPSC Consumer Activity Report has remained at very low levels.

Gulf Power had two complaints in 2016 in the FPSC complaint tracking system that were coded as reliability based on FPSC Reliability Related Complaint codes. Both complaints were related to a high bill.

15.11.2 Correlation of Reliability Related Customer Complaints to Indices

Due to improved reliability and the low number of customer complaints, Gulf has not determined that there is a correlation between reliability related customer complaints and the indices. Management continues to review each complaint when they occur to determine if there are any deficiencies that need to be addressed to improve reliability or customer service.

15.11.3 Identification and Selection/Process Improvements

Due to Gulf's very low number of FPSC Consumer Activity Report complaints and no apparent correlation of reliability-related customer complaints to outage indices, Gulf has not implemented any programs to identify and select systemic actions to improve reliability based on customer complaints. Gulf will continue to review each complaint when they occur to determine if there are any system deficiencies and if so, will take corrective actions as needed.

Appendix 1

Appendix 1

Form 102 - Actual Data

2016 Distribution Service Reliability Reports – Actual

Service Reliability Indices - Actual Gulf Power Company					
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFLe (e)	CEMI5 (f)
Central	112.00	85.96	1.303	1.63	0.99%
Eastern	116.53	73.17	1.592	1.69	6.42%
Western	181.89	119.78	1.519	2.87	1.92%
System Averages	147.23	99.33	1.482	2.25	2.84%

Appendix 1

2016 Distribution Reliability Reports Actual

	CENTRAL	EASTERN	WESTERN	SYSTEM
SAIDI = System Average Interruption Duration Index				
Total Number of Customer Minutes of Interruption (CMI)	13,075,731	13,599,128	40,374,725	67,049,584
Total Number of Customers Served (C)	116,745	116,702	221,968	455,415
	112.00	116.53	181.89	147.23
CAIDI = Customer Average Interruption Duration Index				
Total Number of Customer Minutes of Interruption (CMI)	13,075,731	13,599,128	40,374,725	67,049,584
Total Number of Customer Interruptions (CI)	152,113	185,844	337,060	675,017
	85.96	73.17	119.78	99.33
SAIFI = System Average Interruption Frequency Index				
Total Number of Customer Interruptions (CI)	152,113	185,844	337,060	675,017
Total Number of Customers Served (C)	116,745	116,702	221,968	455,415
	1.303	1.592	1.519	1.482
MAIFle= Momentary Average Interruption Frequency Index				
Total Number of Customer Momentary Interruption Events (CIME)	190,194	197,190	637,690	1,025,344
Total Number of Customers Served (C)	116,745	116,702	221,968	455,415
	1.63	1.69	2.87	2.25
CEMI5 = Customers Experiencing More Interruptions than 5				
Number of Customers Experiencing More Interruptions than 5	1,160	7,490	4,271	12,921
Total Number of Customers Served (C)	116,745	116,702	221,968	455,415
	0.99%	6.42%	1.92%	2.84%
L-Bar				
Minutes of Interruption				1,966,266
Total Number of Outages				18,321

Appendix 1

Causes of Outage Events - Actual			
Gulf Power Company			2016
Cause (a)	Number of Outage Events (N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
Animals	3,560	65.30	64.06
Vegetation	2,209	143.63	128.36
Lightning	2,060	155.50	129.70
Other Weather	493	295.00	217.15
Vehicle	381	164.49	124.83
Defective Equipment	2,762	133.83	84.29
Unknown	752	82.93	70.52
All Other Causes	6,104	74.72	45.16
System Totals	18,321	107.32	99.33

Appendix 1

3 Percent Feeder List Actual

Utility Name: Gulf Power Company													Year: 2016	
Primary Circuit Id. No. or Name (a)	Substation Origin (b)	Location (c)	Number of Customers				Outage Events (N) (i)	Avg Duration (L-Bar) (j)	CAIDI (k)	Listed Last Year? (l)	No. of Years in the Last 5 (m)	Corrective Action Completion Date (n)		
			Residential (d)	Commercial (e)	Industrial (f)	Other (g)							Total (h)	
9522	Vernon	Eastern	1,470	278	1		5	27	28	Y	3	December 2016		
7272	Jay Road	Western	2,095	425			4	58	48	N		December 2016		
7492	Century	Western	609	171	2		4	122	64	N		December 2016		
5642	East Bay	Western	2,756	115			3	49	49	N		December 2016		
7112	Pine Forest	Western	1,521	203			3	18	26	N		December 2016		
8612	Highland City	Eastern	722	167			3	71	77	N		December 2016		
8682	Hathaway	Eastern	3,021	264	1		3	57	57	N		December 2016		
9532	Destin	Central	2,284	253			3	32	7	N		December 2016		
9592	Sunny Hills	Eastern	997	106			3	5	5	Y	2	December 2016		
5822	Eas Bay	Western	1,917	263			2	49	47	N		December 2016		

Appendix 1

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

2016	Customer Minutes of Interruption (CMI)		Customer Interruptions (CI)	
	Value	% of Actual	Value	% of Actual
Reported Actual Data	67,049,584	100%	675,017	100%
Documented Exclusions				
Planned Service Interruptions	2,775,245	4%	45,436	7%
Named Storm	-	-	-	-
Tornadoes	1,610,605	2%	9,410	1%
Ice on Lines	-	-	-	-
Planned Load Management Events	-	-	-	-
Generation/Transmission Events	1,006,781	2%	38,629	6%
Extreme Weather/Fire (EOC Activation)	18,484,197	28%	63,499	9%
Reported Adjusted Data	43,172,756	64%	518,043	77%

Appendix 1

Form 103 - Adjusted Data

2016 Distribution Service Reliability Reports – Adjusted

Service Reliability Indices - Adjusted Gulf Power Company					
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFle (e)	CEMI5 (f)
Central	91.49	88.04	1.039	1.54	0.22 %
Eastern	93.23	76.86	1.213	1.63	1.84 %
Western	97.36	84.70	1.150	2.73	0.77 %
System Averages	94.80	83.34	1.138	2.14	0.91 %

Appendix 1

2016 Distribution Reliability Reports - Adjusted

	CENTRAL	EASTERN	WESTERN	SYSTEM
SAIDI = System Average Interruption Duration Index				
Total Number of Customer Minutes of Interruption (CMI)	10,680,747	10,880,644	21,611,365	43,172,756
Total Number of Customers Served (C)	116,745	116,702	221,968	455,415
	91.49	93.23	97.36	94.80
CAIDI = Customer Average Interruption Duration Index				
Total Number of Customer Minutes of Interruption (CMI)	10,680,747	10,880,644	21,611,365	43,172,756
Total Number of Customer Interruptions (CI)	121,315	141,563	255,165	518,043
	88.04	76.86	84.70	83.34
SAIFI = System Average Interruption Frequency Index				
Total Number of Customer Interruptions (CI)	121,315	141,563	255,165	518,043
Total Number of Customers Served (C)	116,745	116,702	221,968	455,415
	1.039	1.213	1.150	1.138
MAIFle= Momentary Average Interruption Frequency Index				
Total Number of Customer Momentary Interruption Events (CME)	179,318	189,793	606,902	976,013
Total Number of Customers Served (C)	116,745	116,702	221,968	455,415
	1.54	1.63	2.73	2.14
CEMIS = Customers Experiencing More Interruptions than 5				
Number of Customers Experiencing More Interruptions than 5	259	2,150	1,718	4,127
Total Number of Customers Served (C)	116,745	116,702	221,968	455,415
	0.22%	1.84%	0.77%	0.91%
L-Bar				
Minutes of Interruption				
Total Number of Outages				
				1,276,878
				11,944

Appendix 1

Causes of Outage Events - Adjusted			
Gulf Power Company			2016
Cause (a)	Number of Outage Events (N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
Animals	3,557	65.10	64.04
Defective Equipment	2,714	131.99	83.82
Vegetation	1,954	115.56	100.68
Lightning	1,913	138.05	96.50
Unknown	748	81.87	61.42
Vehicle	381	164.49	124.83
Other Weather	220	126.44	103.58
All Other Causes	457	99.54	42.97
System Totals	11,944	106.91	83.34

Appendix 1

2016 Distribution Service Reliability Reports – Adjusted

3 Percent Feeder List - Adjusted												
Utility Name: Gulf Power Company											Year: 2016	
Primary Circuit Id. No. or Name (a)	Substation Origin (b)	Location (c)	Number of Customers				Outage Events (N) (i)	Avg Duration (L-Bar) (j)	CAIDI (k)	Listed Last Year? (l)	No. of Years in the Last 5 (m)	Corrective Action Completion Date (n)
			Residential (d)	Commercial (e)	Industrial (f)	Other (g)						
7272	Jay Road	Western	2,095	425			4	58	48	N		December 2016
5642	East Bay	Western	2,756	115			3	49	49	N		December 2016
8612	Highland City	Eastern	722	167			3	71	77	N		December 2016
9522	Vernon	Eastern	1,470	278			3	40	44	N	1	December 2016
5822	East Bay	Western	1,917	263			2	49	47	N		December 2016
7112	Pine Forest	Western	1,521	203			2	25	48	N		December 2016
8792	Highland City	Eastern	2,632	433			2	5	5	N		December 2016
8822	Northside	Eastern	2,941	410			2	2	2	N		December 2016
9042	Crystal Beach	Central	1,753	299			2	16	16	N		December 2016
9562	Destin	Central	882	582			2	81	85	N		December 2016

Appendix 1

2016 Excluded Transmission Events Resulting in Customer Outages

Outage Event Description	Reason of Exclusion	N	CMI	CI	Duration
Transmission Outages	Transmission	37	1,006,781	38,629	1,206

Event Code	Date	Exclude Reason	CMI	CI	Duration	Causation	Resolution
1151267	1/11/2016	Transmission	27,087	294	92	Erroneous Operations	Manual
1151330	1/11/2016	Transmission	92,207	756	122	Erroneous Operations	Manual
1151331	1/11/2016	Transmission	142,735	1,472	97	Erroneous Operations	Manual
1155649	2/3/2016	Transmission	828	69	12	External Utility Trouble	Supervisory Control
1157124	2/15/2016	Transmission	419	15	28	Severe Weather	Supervisory Control
1160990	2/23/2016	Transmission	1,974	658	3	Severe Weather	Supervisory Control
1160993	2/23/2016	Transmission	2,673	891	3	Severe Weather	Supervisory Control
1160995	2/23/2016	Transmission	300	100	3	Severe Weather	Supervisory Control
1164722	3/14/2016	Transmission	6,606	2,202	3	Deterioration	Automatic
1164725	3/14/2016	Transmission	4,515	1,505	3	Deterioration	Automatic
1167606	3/30/2016	Transmission	6,548	1,637	4	Failed Equipment	Supervisory
1168602	4/5/2016	Transmission	24,206	1,729	14	Deterioration	Manual
1172543	5/2/2016	Transmission	8,732	2,360	4	Animal	Supervisory
1177347	5/31/2016	Transmission	11,124	1,096	10	Other	Manual
1178626	6/5/2016	Transmission	7,296	2,432	3	Lightning	Supervisory
1178629	6/5/2016	Transmission	6,820	1,705	4	Lightning	Supervisory
1178632	6/5/2016	Transmission	5,178	1,726	3	Lightning	Supervisory
1178639	6/5/2016	Transmission	5,082	1,694	3	Lightning	Supervisory
1178644	6/5/2016	Transmission	5,358	1,786	3	Lightning	Supervisory
1178734	6/5/2016	Transmission	24	8	3	Lightning	Supervisory
1182282	6/17/2016	Transmission	5,826	105	55	Animal	Manual
1182283	6/17/2016	Transmission	83,532	1,522	55	Animal	Manual
1185575	6/26/2016	Transmission	785	785	1	Vegetation	Supervisory
1186859	6/26/2016	Transmission	15	15	1	Vegetation	Supervisory
1189239	7/19/2016	Transmission	2,221	13	171	Animal	Manual
1192292	8/4/2016	Transmission	81,087	1,281	63	Failed Equipment	Supervisory
1192391	8/4/2016	Transmission	62,161	982	63	Failed Equipment	Supervisory
1192392	8/4/2016	Transmission	200,690	3,290	61	Failed Equipment	Supervisory
1193123	8/4/2016	Transmission	2,216	1,108	2	Vegetation	Supervisory
1193134	8/4/2016	Transmission	430	215	2	Vegetation	Supervisory
1196278	8/13/2016	Transmission	4,550	70	65	External Utility Trouble	Supervisory Control
1196289	8/13/2016	Transmission	4,895	70	70	External Utility Trouble	Supervisory Control
1211952	11/7/2016	Transmission	12,493	1,922	7	Animal	Supervisory
1211953	11/7/2016	Transmission	3,414	502	7	Animal	Supervisory
1211954	11/7/2016	Transmission	142,331	1,926	74	Animal	Supervisory
1212149	11/7/2016	Transmission	36,997	502	74	Animal	Supervisory
1219469	12/15/2016	Transmission	3,426	186	18	Planned	Manual

Appendix 1

2016 Planned Outages Table

Outage Event Description	Reason of Exclusion	N	CMI	CI	Duration
Planned Outage	Planned Outage	5,597	2,775,245	45,436	407,587

Event Code	Date	Reason of Exclusion	CMI	CI	Duration
1150080	1/1/2016	Planned Outage	55.4	1	55.4
1150084	1/1/2016	Planned Outage	14.3	1	14.3
1150233	1/3/2016	Planned Outage	132.6	4	33.2
1150264	1/4/2016	Planned Outage	90.1	1	90.1
1150267	1/4/2016	Planned Outage	54.0	1	54.0
1150272	1/4/2016	Planned Outage	599.8	19	31.6
1150277	1/4/2016	Planned Outage	303.3	15	20.2
1150279	1/4/2016	Planned Outage	710.5	21	33.8
1150285	1/4/2016	Planned Outage	26.3	4	6.6
1150288	1/4/2016	Planned Outage	44.3	2	22.2
1150290	1/4/2016	Planned Outage	75.1	2	37.6
1150293	1/4/2016	Planned Outage	11.9	2	5.9
1150296	1/4/2016	Planned Outage	3,682.3	31	118.8
1150297	1/4/2016	Planned Outage	56.9	1	56.9
1150300	1/4/2016	Planned Outage	138.5	3	46.2
1150311	1/4/2016	Planned Outage	62.9	3	21.0
1150313	1/4/2016	Planned Outage	45.7	2	22.8
1150317	1/4/2016	Planned Outage	39.7	2	19.9
1150318	1/4/2016	Planned Outage	92.8	5	18.6
1150320	1/4/2016	Planned Outage	46.0	2	23.0
1150321	1/4/2016	Planned Outage	18.4	6	3.1
1150324	1/4/2016	Planned Outage	933.5	3	311.2
1150325	1/4/2016	Planned Outage	51.3	3	17.1
1150327	1/4/2016	Planned Outage	126.1	8	15.8
1150328	1/4/2016	Planned Outage	23.8	2	11.9
1150332	1/4/2016	Planned Outage	136.2	3	45.4
1150333	1/4/2016	Planned Outage	13.4	1	13.4
1150335	1/4/2016	Planned Outage	30.3	2	15.2
1150337	1/4/2016	Planned Outage	55.1	3	18.4
1150412	1/5/2016	Planned Outage	631.9	1	631.9
1150417	1/5/2016	Planned Outage	228.7	1	228.7
1150425	1/5/2016	Planned Outage	304.4	1	304.4
1150436	1/5/2016	Planned Outage	108.7	1	108.7
1150437	1/5/2016	Planned Outage	18.8	2	9.4
1150438	1/5/2016	Planned Outage	21.5	1	21.5
1150439	1/5/2016	Planned Outage	426.3	6	71.1
1150440	1/5/2016	Planned Outage	181.1	8	22.6
1150441	1/5/2016	Planned Outage	1,288.0	8	161.0
1150456	1/5/2016	Planned Outage	910.7	4	227.7
1150462	1/5/2016	Planned Outage	4,353.3	52	83.7
1150466	1/5/2016	Planned Outage	122.8	6	20.5
1150467	1/5/2016	Planned Outage	32.3	3	10.8

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2016 Planned Outages Table

1150470	1/5/2016	Planned Outage	69.3	1	69.3
1150604	1/5/2016	Planned Outage	29.9	1	29.9
1150650	1/5/2016	Planned Outage	32.6	1	32.6
1150651	1/5/2016	Planned Outage	640.2	22	29.1
1150653	1/5/2016	Planned Outage	13.9	1	13.9
1150656	1/5/2016	Planned Outage	58.0	4	14.5
1150663	1/5/2016	Planned Outage	24.8	1	24.8
1150665	1/5/2016	Planned Outage	297.2	4	74.3
1150670	1/5/2016	Planned Outage	342.6	6	57.1
1150685	1/5/2016	Planned Outage	65.1	1	65.1
1150717	1/5/2016	Planned Outage	68.9	2	34.5
1150726	1/6/2016	Planned Outage	268.0	4	67.0
1150739	1/6/2016	Planned Outage	1,281.9	9	142.4
1150741	1/6/2016	Planned Outage	1,220.5	13	93.9
1150742	1/6/2016	Planned Outage	115.0	1	115.0
1150743	1/6/2016	Planned Outage	7.5	1	7.5
1150746	1/6/2016	Planned Outage	356.7	5	71.3
1150750	1/6/2016	Planned Outage	220.0	2	110.0
1150752	1/6/2016	Planned Outage	14.1	1	14.1
1150754	1/6/2016	Planned Outage	26.5	3	8.8
1150755	1/6/2016	Planned Outage	45.3	1	45.3
1150756	1/6/2016	Planned Outage	73.7	3	24.6
1150759	1/6/2016	Planned Outage	173.1	4	43.3
1150765	1/6/2016	Planned Outage	378.8	1	378.8
1150766	1/6/2016	Planned Outage	92.8	1	92.8
1150767	1/6/2016	Planned Outage	108.0	8	13.5
1150773	1/6/2016	Planned Outage	168.7	4	42.2
1150776	1/6/2016	Planned Outage	213.3	4	53.3
1150795	1/6/2016	Planned Outage	5.4	5	1.1
1150797	1/6/2016	Planned Outage	211.1	3	70.4
1150805	1/6/2016	Planned Outage	9.0	1	9.0
1150806	1/6/2016	Planned Outage	20.3	1	20.3
1150810	1/6/2016	Planned Outage	449.6	2	224.8
1150815	1/6/2016	Planned Outage	690.3	4	172.6
1150841	1/6/2016	Planned Outage	95.5	1	95.5
1150862	1/7/2016	Planned Outage	59.5	2	29.8
1150868	1/7/2016	Planned Outage	1,110.6	617	1.8
1150871	1/7/2016	Planned Outage	2,661.6	34	78.3
1150873	1/7/2016	Planned Outage	330.4	1	330.4
1150875	1/7/2016	Planned Outage	989.1	14	70.7
1150888	1/7/2016	Planned Outage	317.8	2	158.9
1150897	1/7/2016	Planned Outage	91.7	1	91.7
1150899	1/7/2016	Planned Outage	37.6	1	37.6
1150903	1/7/2016	Planned Outage	2,096.8	46	45.6
1150927	1/7/2016	Planned Outage	301.1	1	301.1
1150934	1/7/2016	Planned Outage	15.2	1	15.2
1150939	1/7/2016	Planned Outage	552.0	6	92.0
1150940	1/7/2016	Planned Outage	837.0	9	93.0
1150954	1/7/2016	Planned Outage	174.0	3	58.0

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2016 Planned Outages Table

1150971	1/7/2016	Planned Outage	78.8	1	78.8
1151005	1/7/2016	Planned Outage	196.5	1	196.5
1151008	1/8/2016	Planned Outage	15.2	2	7.6
1151019	1/8/2016	Planned Outage	551.4	34	16.2
1151027	1/8/2016	Planned Outage	208.8	2	104.4
1151033	1/8/2016	Planned Outage	179.7	2	89.9
1151034	1/8/2016	Planned Outage	56.6	3	18.9
1151035	1/8/2016	Planned Outage	79.9	1	79.9
1151036	1/8/2016	Planned Outage	287.0	3	95.7
1151041	1/8/2016	Planned Outage	250.6	5	50.1
1151043	1/8/2016	Planned Outage	19.4	2	9.7
1151047	1/8/2016	Planned Outage	25.5	3	8.5
1151053	1/8/2016	Planned Outage	396.3	8	49.5
1151058	1/8/2016	Planned Outage	21.1	1	21.1
1151060	1/8/2016	Planned Outage	47.4	7	6.8
1151062	1/8/2016	Planned Outage	682.3	46	14.8
1151066	1/8/2016	Planned Outage	33.7	1	33.7
1151067	1/8/2016	Planned Outage	32.9	1	32.9
1151074	1/8/2016	Planned Outage	17.9	1	17.9
1151075	1/8/2016	Planned Outage	108.9	3	36.3
1151099	1/8/2016	Planned Outage	44.0	1	44.0
1151109	1/8/2016	Planned Outage	166.6	3	55.5
1151184	1/9/2016	Planned Outage	349.2	2	174.6
1151251	1/11/2016	Planned Outage	1,198.0	3	399.3
1151286	1/11/2016	Planned Outage	35.5	7	5.1
1151297	1/11/2016	Planned Outage	11,089.4	106	104.6
1151328	1/11/2016	Planned Outage	1,706.2	17	100.4
1151334	1/11/2016	Planned Outage	120.1	2	60.1
1151337	1/11/2016	Planned Outage	74.6	3	24.9
1151339	1/11/2016	Planned Outage	158.8	1	158.8
1151340	1/11/2016	Planned Outage	773.8	5	154.8
1151342	1/11/2016	Planned Outage	33.0	3	11.0
1151362	1/11/2016	Planned Outage	287.6	3	95.9
1151366	1/11/2016	Planned Outage	1,297.0	13	99.8
1151369	1/11/2016	Planned Outage	154.9	5	31.0
1151381	1/11/2016	Planned Outage	146.9	5	29.4
1151382	1/11/2016	Planned Outage	19.6	1	19.6
1151385	1/11/2016	Planned Outage	551.1	2	275.6
1151437	1/12/2016	Planned Outage	132.0	3	44.0
1151447	1/12/2016	Planned Outage	48.1	2	24.1
1151448	1/12/2016	Planned Outage	161.1	8	20.1
1151451	1/12/2016	Planned Outage	2,074.6	34	61.0
1151452	1/12/2016	Planned Outage	30.7	1	30.7
1151458	1/12/2016	Planned Outage	250.3	3	83.4
1151460	1/12/2016	Planned Outage	943.9	5	188.8
1151465	1/12/2016	Planned Outage	58.3	3	19.4
1151474	1/12/2016	Planned Outage	183.1	1	183.1
1151475	1/12/2016	Planned Outage	17.2	1	17.2
1151476	1/12/2016	Planned Outage	429.9	3	143.3

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2016 Planned Outages Table

1151477	1/12/2016	Planned Outage	664.1	4	166.0
1151480	1/12/2016	Planned Outage	82.2	1	82.2
1151483	1/12/2016	Planned Outage	231.5	4	57.9
1151485	1/12/2016	Planned Outage	284.3	5	56.9
1151487	1/12/2016	Planned Outage	68.6	2	34.3
1151490	1/12/2016	Planned Outage	792.2	4	198.1
1151493	1/12/2016	Planned Outage	150.9	2	75.5
1151495	1/12/2016	Planned Outage	249.0	3	83.0
1151496	1/12/2016	Planned Outage	348.5	6	58.1
1151512	1/12/2016	Planned Outage	78.1	1	78.1
1151514	1/12/2016	Planned Outage	26.4	2	13.2
1151531	1/12/2016	Planned Outage	107.4	2	53.7
1151559	1/13/2016	Planned Outage	355.1	3	118.4
1151562	1/13/2016	Planned Outage	38.7	1	38.7
1151564	1/13/2016	Planned Outage	108.4	1	108.4
1151565	1/13/2016	Planned Outage	130.5	6	21.8
1151566	1/13/2016	Planned Outage	225.7	1	225.7
1151567	1/13/2016	Planned Outage	225.2	1	225.2
1151569	1/13/2016	Planned Outage	10.9	3	3.6
1151570	1/13/2016	Planned Outage	412.7	4	103.2
1151572	1/13/2016	Planned Outage	435.4	3	145.1
1151575	1/13/2016	Planned Outage	27.4	2	13.7
1151576	1/13/2016	Planned Outage	22.0	1	22.0
1151581	1/13/2016	Planned Outage	1,881.3	19	99.0
1151585	1/13/2016	Planned Outage	46.4	1	46.4
1151586	1/13/2016	Planned Outage	44.8	1	44.8
1151588	1/13/2016	Planned Outage	16.1	1	16.1
1151594	1/13/2016	Planned Outage	507.7	39	13.0
1151602	1/13/2016	Planned Outage	86.0	5	17.2
1151603	1/13/2016	Planned Outage	524.5	28	18.7
1151605	1/13/2016	Planned Outage	122.6	12	10.2
1151614	1/13/2016	Planned Outage	75.6	1	75.6
1151622	1/13/2016	Planned Outage	142.1	8	17.8
1151626	1/13/2016	Planned Outage	107.5	6	17.9
1151627	1/13/2016	Planned Outage	59.9	1	59.9
1151646	1/14/2016	Planned Outage	5,270.0	2,151	2.5
1151659	1/14/2016	Planned Outage	197.4	3	65.8
1151664	1/14/2016	Planned Outage	113.7	11	10.3
1151667	1/14/2016	Planned Outage	343.5	5	68.7
1151671	1/14/2016	Planned Outage	211.9	2	106.0
1151674	1/14/2016	Planned Outage	22.9	1	22.9
1151675	1/14/2016	Planned Outage	52.1	1	52.1
1151676	1/14/2016	Planned Outage	856.1	4	214.0
1151679	1/14/2016	Planned Outage	45.0	1	45.0
1151680	1/14/2016	Planned Outage	267.6	8	33.5
1151682	1/14/2016	Planned Outage	248.9	5	49.8
1151689	1/14/2016	Planned Outage	75.4	1	75.4
1151691	1/14/2016	Planned Outage	29.7	3	9.9
1151692	1/14/2016	Planned Outage	9.4	1	9.4

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2016 Planned Outages Table

1151693	1/14/2016	Planned Outage	162.9	4	40.7
1151695	1/14/2016	Planned Outage	140.8	5	28.2
1151696	1/14/2016	Planned Outage	147.2	8	18.4
1151700	1/14/2016	Planned Outage	225.3	2	112.7
1151709	1/14/2016	Planned Outage	619.5	3	206.5
1151720	1/14/2016	Planned Outage	63.5	3	21.2
1151721	1/14/2016	Planned Outage	26.5	1	26.5
1151724	1/14/2016	Planned Outage	41.2	1	41.2
1151726	1/14/2016	Planned Outage	52.6	11	4.8
1151746	1/14/2016	Planned Outage	52.3	1	52.3
1151752	1/14/2016	Planned Outage	56.5	1	56.5
1151764	1/14/2016	Planned Outage	129.2	8	16.2
1151842	1/15/2016	Planned Outage	1,446.2	9	160.7
1151847	1/15/2016	Planned Outage	31.1	3	10.4
1151848	1/15/2016	Planned Outage	4.6	2	2.3
1151850	1/15/2016	Planned Outage	10.2	1	10.2
1151851	1/15/2016	Planned Outage	76.1	2	38.1
1151853	1/15/2016	Planned Outage	486.0	2	243.0
1151856	1/15/2016	Planned Outage	177.3	1	177.3
1151857	1/15/2016	Planned Outage	256.7	1	256.7
1151859	1/15/2016	Planned Outage	119.7	4	29.9
1151862	1/15/2016	Planned Outage	170.9	3	57.0
1151863	1/15/2016	Planned Outage	161.9	1	161.9
1151864	1/15/2016	Planned Outage	160.6	1	160.6
1151867	1/15/2016	Planned Outage	14.7	1	14.7
1151869	1/15/2016	Planned Outage	124.6	4	31.2
1151870	1/15/2016	Planned Outage	3,313.1	9	368.1
1151876	1/15/2016	Planned Outage	46.5	1	46.5
1151877	1/15/2016	Planned Outage	66.7	2	33.4
1151879	1/15/2016	Planned Outage	156.3	4	39.1
1151885	1/15/2016	Planned Outage	25.8	2	12.9
1151890	1/15/2016	Planned Outage	5.4	1	5.4
1151925	1/15/2016	Planned Outage	18.0	1	18.0
1151938	1/16/2016	Planned Outage	37.3	3	12.4
1151943	1/16/2016	Planned Outage	27.3	1	27.3
1151948	1/16/2016	Planned Outage	20.4	1	20.4
1151951	1/16/2016	Planned Outage	14.5	1	14.5
1151968	1/16/2016	Planned Outage	1,173.9	4	293.5
1151983	1/16/2016	Planned Outage	191.9	3	64.0
1152042	1/17/2016	Planned Outage	259.9	4	65.0
1152054	1/17/2016	Planned Outage	93.1	1	93.1
1152105	1/18/2016	Planned Outage	71.0	2	35.5
1152116	1/18/2016	Planned Outage	115.9	1	115.9
1152130	1/18/2016	Planned Outage	133.3	4	33.3
1152141	1/18/2016	Planned Outage	163.9	1	163.9
1152155	1/18/2016	Planned Outage	473.4	3	157.8
1152164	1/18/2016	Planned Outage	51.8	5	10.4
1152168	1/18/2016	Planned Outage	45.2	1	45.2
1152202	1/19/2016	Planned Outage	74.9	1	74.9

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2016 Planned Outages Table

1152207	1/19/2016	Planned Outage	31.8	1	31.8
1152213	1/19/2016	Planned Outage	36.9	1	36.9
1152217	1/19/2016	Planned Outage	700.0	4	175.0
1152218	1/19/2016	Planned Outage	32.0	2	16.0
1152223	1/19/2016	Planned Outage	35.3	2	17.7
1152224	1/19/2016	Planned Outage	48.8	3	16.3
1152226	1/19/2016	Planned Outage	13.9	1	13.9
1152230	1/19/2016	Planned Outage	93.2	2	46.6
1152234	1/19/2016	Planned Outage	58.3	5	11.7
1152238	1/19/2016	Planned Outage	78.9	4	19.7
1152239	1/19/2016	Planned Outage	103.1	1	103.1
1152242	1/19/2016	Planned Outage	507.4	7	72.5
1152243	1/19/2016	Planned Outage	6,270.3	29	216.2
1152247	1/19/2016	Planned Outage	18.4	1	18.4
1152250	1/19/2016	Planned Outage	14.5	5	2.9
1152265	1/19/2016	Planned Outage	321.8	5	64.4
1152266	1/19/2016	Planned Outage	249.7	8	31.2
1152273	1/19/2016	Planned Outage	79.2	1	79.2
1152274	1/19/2016	Planned Outage	215.5	1	215.5
1152275	1/19/2016	Planned Outage	214.8	1	214.8
1152276	1/19/2016	Planned Outage	259.9	2	129.9
1152282	1/19/2016	Planned Outage	819.2	5	163.8
1152307	1/19/2016	Planned Outage	84.0	2	42.0
1152327	1/20/2016	Planned Outage	44.4	1	44.4
1152336	1/20/2016	Planned Outage	633.6	32	19.8
1152337	1/20/2016	Planned Outage	362.2	4	90.6
1152338	1/20/2016	Planned Outage	505.8	1	505.8
1152340	1/20/2016	Planned Outage	16.5	1	16.5
1152341	1/20/2016	Planned Outage	74.8	1	74.8
1152343	1/20/2016	Planned Outage	453.1	5	90.6
1152345	1/20/2016	Planned Outage	783.3	1	783.3
1152346	1/20/2016	Planned Outage	1,260.0	6	210.0
1152348	1/20/2016	Planned Outage	5,996.8	11	545.2
1152349	1/20/2016	Planned Outage	39.8	1	39.8
1152352	1/20/2016	Planned Outage	119.3	5	23.9
1152355	1/20/2016	Planned Outage	77.6	7	11.1
1152356	1/20/2016	Planned Outage	125.5	1	125.5
1152357	1/20/2016	Planned Outage	124.2	1	124.2
1152358	1/20/2016	Planned Outage	131.5	1	131.5
1152360	1/20/2016	Planned Outage	530.7	8	66.3
1152368	1/20/2016	Planned Outage	139.9	1	139.9
1152371	1/20/2016	Planned Outage	116.3	1	116.3
1152372	1/20/2016	Planned Outage	62.1	2	31.1
1152373	1/20/2016	Planned Outage	56.0	1	56.0
1152374	1/20/2016	Planned Outage	63.3	5	12.7
1152378	1/20/2016	Planned Outage	18.6	3	6.2
1152380	1/20/2016	Planned Outage	7.5	1	7.5
1152381	1/20/2016	Planned Outage	62.6	6	10.4
1152391	1/20/2016	Planned Outage	652.8	3	217.6

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2016 Planned Outages Table

1152392	1/20/2016	Planned Outage	76.4	1	76.4
1152393	1/20/2016	Planned Outage	458.9	6	76.5
1152395	1/20/2016	Planned Outage	183.3	2	91.7
1152400	1/20/2016	Planned Outage	53.8	1	53.8
1152415	1/20/2016	Planned Outage	97.2	2	48.6
1152440	1/21/2016	Planned Outage	239.3	4	59.8
1152446	1/21/2016	Planned Outage	148.3	1	148.3
1152448	1/21/2016	Planned Outage	479.6	9	53.3
1152450	1/21/2016	Planned Outage	54.2	1	54.2
1152453	1/21/2016	Planned Outage	60.8	2	30.4
1152454	1/21/2016	Planned Outage	69.7	3	23.2
1152459	1/21/2016	Planned Outage	9.3	1	9.3
1152460	1/21/2016	Planned Outage	148.0	4	37.0
1152464	1/21/2016	Planned Outage	182.0	5	36.4
1152471	1/21/2016	Planned Outage	41.2	1	41.2
1152477	1/21/2016	Planned Outage	13.9	1	13.9
1152484	1/21/2016	Planned Outage	39.1	3	13.0
1152497	1/21/2016	Planned Outage	131.3	2	65.6
1152507	1/21/2016	Planned Outage	159.3	3	53.1
1152513	1/21/2016	Planned Outage	90.3	3	30.1
1152518	1/21/2016	Planned Outage	47.8	1	47.8
1152757	1/22/2016	Planned Outage	25.2	1	25.2
1153770	1/22/2016	Planned Outage	63.3	4	15.8
1153771	1/22/2016	Planned Outage	305.8	3	101.9
1153777	1/22/2016	Planned Outage	223.4	4	55.9
1153778	1/22/2016	Planned Outage	275.2	5	55.0
1153779	1/22/2016	Planned Outage	17.5	3	5.8
1153807	1/22/2016	Planned Outage	47.8	3	15.9
1153814	1/22/2016	Planned Outage	36.6	4	9.2
1153817	1/22/2016	Planned Outage	31.1	4	7.8
1153819	1/22/2016	Planned Outage	54.7	1	54.7
1153830	1/22/2016	Planned Outage	42.5	1	42.5
1153855	1/22/2016	Planned Outage	38.5	3	12.8
1153859	1/22/2016	Planned Outage	8.3	1	8.3
1153860	1/22/2016	Planned Outage	53.6	4	13.4
1153863	1/22/2016	Planned Outage	125.6	5	25.1
1153871	1/22/2016	Planned Outage	16.3	1	16.3
1153892	1/22/2016	Planned Outage	28.4	1	28.4
1154079	1/23/2016	Planned Outage	96.4	1	96.4
1154093	1/23/2016	Planned Outage	45.6	1	45.6
1154183	1/24/2016	Planned Outage	735.2	10	73.5
1154443	1/24/2016	Planned Outage	4,891.6	12	407.6
1154517	1/24/2016	Planned Outage	1,198.5	7	171.2
1154530	1/24/2016	Planned Outage	40.2	2	20.1
1154555	1/25/2016	Planned Outage	53.2	1	53.2
1154562	1/25/2016	Planned Outage	222.4	17	13.1
1154567	1/25/2016	Planned Outage	901.6	4	225.4
1154570	1/25/2016	Planned Outage	115.2	1	115.2
1154572	1/25/2016	Planned Outage	20.1	2	10.1

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2016 Planned Outages Table

1154575	1/25/2016	Planned Outage	267.3	2	133.7
1154576	1/25/2016	Planned Outage	639.1	2	319.6
1154579	1/25/2016	Planned Outage	197.4	1	197.4
1154582	1/25/2016	Planned Outage	268.9	4	67.2
1154583	1/25/2016	Planned Outage	1,298.7	23	56.5
1154588	1/25/2016	Planned Outage	81.2	1	81.2
1154594	1/25/2016	Planned Outage	384.7	8	48.1
1154602	1/25/2016	Planned Outage	48.0	2	24.0
1154605	1/25/2016	Planned Outage	216.3	1	216.3
1154610	1/25/2016	Planned Outage	263.5	4	65.9
1154611	1/25/2016	Planned Outage	178.4	3	59.5
1154616	1/25/2016	Planned Outage	173.3	2	86.6
1154617	1/25/2016	Planned Outage	42.8	1	42.8
1154620	1/25/2016	Planned Outage	60.5	6	10.1
1154622	1/25/2016	Planned Outage	4.6	1	4.6
1154623	1/25/2016	Planned Outage	27,054.0	81	334.0
1154633	1/25/2016	Planned Outage	93.7	3	31.2
1154639	1/25/2016	Planned Outage	23.1	1	23.1
1154667	1/26/2016	Planned Outage	110.7	2	55.4
1154668	1/26/2016	Planned Outage	474.0	5	94.8
1154669	1/26/2016	Planned Outage	1,648.7	23	71.7
1154672	1/26/2016	Planned Outage	340.9	3	113.6
1154674	1/26/2016	Planned Outage	6,003.8	23	261.0
1154675	1/26/2016	Planned Outage	79.5	2	39.8
1154676	1/26/2016	Planned Outage	1,588.2	12	132.4
1154679	1/26/2016	Planned Outage	59.7	1	59.7
1154681	1/26/2016	Planned Outage	22.4	1	22.4
1154685	1/26/2016	Planned Outage	198.9	3	66.3
1154694	1/26/2016	Planned Outage	28.8	1	28.8
1154695	1/26/2016	Planned Outage	671.6	8	84.0
1154696	1/26/2016	Planned Outage	80.9	4	20.2
1154697	1/26/2016	Planned Outage	3.4	1	3.4
1154699	1/26/2016	Planned Outage	668.8	6	111.5
1154704	1/26/2016	Planned Outage	2.3	1	2.3
1154705	1/26/2016	Planned Outage	2.6	1	2.6
1154712	1/26/2016	Planned Outage	78.9	1	78.9
1154715	1/26/2016	Planned Outage	289.8	7	41.4
1154716	1/26/2016	Planned Outage	17.2	1	17.2
1154718	1/26/2016	Planned Outage	13.0	1	13.0
1154722	1/26/2016	Planned Outage	40.1	2	20.1
1154725	1/26/2016	Planned Outage	64.9	2	32.4
1154728	1/26/2016	Planned Outage	98.1	2	49.0
1154750	1/26/2016	Planned Outage	18.9	1	18.9
1154753	1/26/2016	Planned Outage	63.1	1	63.1
1154789	1/27/2016	Planned Outage	37.1	9	4.1
1154792	1/27/2016	Planned Outage	43.1	2	21.5
1154795	1/27/2016	Planned Outage	117.3	2	58.7
1154799	1/27/2016	Planned Outage	19.3	2	9.7
1154802	1/27/2016	Planned Outage	164.3	4	41.1

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2016 Planned Outages Table

1154826	1/27/2016	Planned Outage	21.0	1	21.0
1154829	1/27/2016	Planned Outage	14.4	1	14.4
1154842	1/27/2016	Planned Outage	59.0	5	11.8
1154857	1/27/2016	Planned Outage	534.2	25	21.4
1154874	1/28/2016	Planned Outage	348.8	7	49.8
1154876	1/28/2016	Planned Outage	938.1	4	234.5
1154888	1/28/2016	Planned Outage	142.9	1	142.9
1154893	1/28/2016	Planned Outage	68.2	3	22.7
1154897	1/28/2016	Planned Outage	280.1	4	70.0
1154899	1/28/2016	Planned Outage	132.3	1	132.3
1154900	1/28/2016	Planned Outage	6,166.5	90	68.5
1154902	1/28/2016	Planned Outage	1,196.4	19	63.0
1154912	1/28/2016	Planned Outage	231.7	4	57.9
1154913	1/28/2016	Planned Outage	1,460.2	10	146.0
1154914	1/28/2016	Planned Outage	711.7	4	177.9
1154919	1/28/2016	Planned Outage	237.7	8	29.7
1154920	1/28/2016	Planned Outage	48.2	3	16.1
1154922	1/28/2016	Planned Outage	11.5	1	11.5
1154923	1/28/2016	Planned Outage	7.6	1	7.6
1154924	1/28/2016	Planned Outage	15.7	2	7.9
1154925	1/28/2016	Planned Outage	5.7	2	2.9
1154926	1/28/2016	Planned Outage	7.8	1	7.8
1154927	1/28/2016	Planned Outage	123.4	5	24.7
1154929	1/28/2016	Planned Outage	178.2	4	44.6
1154937	1/28/2016	Planned Outage	178.1	6	29.7
1154938	1/28/2016	Planned Outage	51.0	1	51.0
1154943	1/28/2016	Planned Outage	145.6	5	29.1
1154945	1/28/2016	Planned Outage	29.0	1	29.0
1154951	1/28/2016	Planned Outage	44.8	1	44.8
1154972	1/28/2016	Planned Outage	210.7	10	21.1
1154991	1/29/2016	Planned Outage	63.2	2	31.6
1154993	1/29/2016	Planned Outage	254.5	4	63.6
1154996	1/29/2016	Planned Outage	773.9	32	24.2
1155000	1/29/2016	Planned Outage	110.0	2	55.0
1155003	1/29/2016	Planned Outage	76.1	3	25.4
1155004	1/29/2016	Planned Outage	25.3	1	25.3
1155005	1/29/2016	Planned Outage	60.1	1	60.1
1155009	1/29/2016	Planned Outage	42.3	3	14.1
1155016	1/29/2016	Planned Outage	67.9	2	34.0
1155023	1/29/2016	Planned Outage	67.2	1	67.2
1155030	1/29/2016	Planned Outage	20.7	1	20.7
1155040	1/29/2016	Planned Outage	256.0	32	8.0
1155259	1/31/2016	Planned Outage	16.8	1	16.8
1155296	2/1/2016	Planned Outage	108.5	3	36.2
1155297	2/1/2016	Planned Outage	13.4	1	13.4
1155298	2/1/2016	Planned Outage	43.4	1	43.4
1155299	2/1/2016	Planned Outage	101.7	1	101.7
1155302	2/1/2016	Planned Outage	65.3	3	21.8
1155305	2/1/2016	Planned Outage	104.8	1	104.8

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2016 Planned Outages Table

1155307	2/1/2016	Planned Outage	124.7	1	124.7
1155308	2/1/2016	Planned Outage	122.8	3	40.9
1155309	2/1/2016	Planned Outage	70.7	1	70.7
1155312	2/1/2016	Planned Outage	87.5	4	21.9
1155314	2/1/2016	Planned Outage	69.7	1	69.7
1155326	2/1/2016	Planned Outage	21.9	1	21.9
1155329	2/1/2016	Planned Outage	55.3	2	27.7
1155332	2/1/2016	Planned Outage	6.6	2	3.3
1155333	2/1/2016	Planned Outage	1,974.0	8	246.8
1155339	2/1/2016	Planned Outage	701.0	17	41.2
1155342	2/1/2016	Planned Outage	116.6	1	116.6
1155353	2/1/2016	Planned Outage	2,605.0	20	130.3
1155355	2/1/2016	Planned Outage	851.9	7	121.7
1155383	2/2/2016	Planned Outage	65.2	1	65.2
1155384	2/2/2016	Planned Outage	1,347.9	9	149.8
1155385	2/2/2016	Planned Outage	32.0	1	32.0
1155386	2/2/2016	Planned Outage	260.5	3	86.8
1155392	2/2/2016	Planned Outage	251.0	3	83.7
1155396	2/2/2016	Planned Outage	293.6	4	73.4
1155402	2/2/2016	Planned Outage	68.6	2	34.3
1155403	2/2/2016	Planned Outage	57.2	2	28.6
1155405	2/2/2016	Planned Outage	136.9	3	45.6
1155407	2/2/2016	Planned Outage	14,500.0	125	116.0
1155408	2/2/2016	Planned Outage	27.1	3	9.0
1155411	2/2/2016	Planned Outage	456.5	4	114.1
1155412	2/2/2016	Planned Outage	366.9	3	122.3
1155419	2/2/2016	Planned Outage	1,031.8	5	206.4
1155422	2/2/2016	Planned Outage	72.6	1	72.6
1155448	2/2/2016	Planned Outage	722.3	4	180.6
1155456	2/2/2016	Planned Outage	56.2	2	28.1
1155466	2/2/2016	Planned Outage	22.1	1	22.1
1155469	2/2/2016	Planned Outage	245.7	4	61.4
1155474	2/2/2016	Planned Outage	22.0	1	22.0
1155618	2/3/2016	Planned Outage	74.7	1	74.7
1155624	2/3/2016	Planned Outage	56.7	2	28.4
1155758	2/3/2016	Planned Outage	43.6	1	43.6
1155765	2/3/2016	Planned Outage	114.2	1	114.2
1155843	2/3/2016	Planned Outage	487.5	39	12.5
1155855	2/3/2016	Planned Outage	25.9	1	25.9
1155886	2/4/2016	Planned Outage	1,215.2	5	243.0
1155894	2/4/2016	Planned Outage	427.9	3	142.6
1155907	2/4/2016	Planned Outage	17.4	1	17.4
1155909	2/4/2016	Planned Outage	387.5	1	387.5
1155910	2/4/2016	Planned Outage	110.4	6	18.4
1155911	2/4/2016	Planned Outage	36.7	2	18.3
1155913	2/4/2016	Planned Outage	61.0	3	20.3
1155915	2/4/2016	Planned Outage	24.7	1	24.7
1155917	2/4/2016	Planned Outage	2,331.7	8	291.5
1155918	2/4/2016	Planned Outage	180.1	2	90.0

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2016 Planned Outages Table

1155920	2/4/2016	Planned Outage	938.5	6	156.4
1155922	2/4/2016	Planned Outage	152.7	1	152.7
1155923	2/4/2016	Planned Outage	123.0	3	41.0
1155925	2/4/2016	Planned Outage	65.8	1	65.8
1155927	2/4/2016	Planned Outage	1,294.5	6	215.8
1155929	2/4/2016	Planned Outage	129.2	7	18.5
1155930	2/4/2016	Planned Outage	29.1	1	29.1
1155934	2/4/2016	Planned Outage	36.1	1	36.1
1155936	2/4/2016	Planned Outage	417.9	1	417.9
1155937	2/4/2016	Planned Outage	1,289.3	5	257.9
1155940	2/4/2016	Planned Outage	41.1	1	41.1
1155948	2/4/2016	Planned Outage	116.0	1	116.0
1155949	2/4/2016	Planned Outage	38.1	1	38.1
1155953	2/4/2016	Planned Outage	139.7	3	46.6
1155962	2/4/2016	Planned Outage	26.5	2	13.2
1155963	2/4/2016	Planned Outage	31.7	1	31.7
1155982	2/4/2016	Planned Outage	79.9	7	11.4
1155991	2/4/2016	Planned Outage	52.7	4	13.2
1156008	2/5/2016	Planned Outage	132.3	1	132.3
1156013	2/5/2016	Planned Outage	491.1	6	81.9
1156017	2/5/2016	Planned Outage	638.0	4	159.5
1156023	2/5/2016	Planned Outage	522.4	5	104.5
1156027	2/5/2016	Planned Outage	1,091.7	54	20.2
1156031	2/5/2016	Planned Outage	9.6	1	9.6
1156032	2/5/2016	Planned Outage	698.2	6	116.4
1156033	2/5/2016	Planned Outage	165.9	1	165.9
1156038	2/5/2016	Planned Outage	121.5	1	121.5
1156039	2/5/2016	Planned Outage	4.8	1	4.8
1156040	2/5/2016	Planned Outage	94.8	2	47.4
1156042	2/5/2016	Planned Outage	5.1	3	1.7
1156046	2/5/2016	Planned Outage	60.0	1	60.0
1156050	2/5/2016	Planned Outage	1,039.5	54	19.3
1156051	2/5/2016	Planned Outage	158.0	1	158.0
1156052	2/5/2016	Planned Outage	157.0	1	157.0
1156055	2/5/2016	Planned Outage	23.4	5	4.7
1156059	2/5/2016	Planned Outage	317.2	4	79.3
1156065	2/5/2016	Planned Outage	101.1	4	25.3
1156073	2/5/2016	Planned Outage	332.0	9	36.9
1156092	2/5/2016	Planned Outage	96.2	4	24.1
1156110	2/5/2016	Planned Outage	25.4	2	12.7
1156130	2/6/2016	Planned Outage	31.6	1	31.6
1156132	2/6/2016	Planned Outage	11.0	1	11.0
1156135	2/6/2016	Planned Outage	2.2	1	2.2
1156144	2/6/2016	Planned Outage	25.5	1	25.5
1156213	2/7/2016	Planned Outage	515.7	9	57.3
1156236	2/8/2016	Planned Outage	11.6	1	11.6
1156246	2/8/2016	Planned Outage	143.3	1	143.3
1156248	2/8/2016	Planned Outage	150.2	4	37.6
1156250	2/8/2016	Planned Outage	348.0	2	174.0

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2016 Planned Outages Table

1156251	2/8/2016	Planned Outage	27.7	3	9.2
1156252	2/8/2016	Planned Outage	238.3	1	238.3
1156255	2/8/2016	Planned Outage	99.7	1	99.7
1156256	2/8/2016	Planned Outage	99.2	1	99.2
1156257	2/8/2016	Planned Outage	107.4	2	53.7
1156263	2/8/2016	Planned Outage	174.4	1	174.4
1156266	2/8/2016	Planned Outage	70.6	1	70.6
1156267	2/8/2016	Planned Outage	261.2	3	87.1
1156273	2/8/2016	Planned Outage	44.4	1	44.4
1156297	2/8/2016	Planned Outage	73.7	3	24.6
1156355	2/8/2016	Planned Outage	13.2	1	13.2
1156364	2/8/2016	Planned Outage	36.0	2	18.0
1156402	2/8/2016	Planned Outage	112.7	3	37.6
1156429	2/9/2016	Planned Outage	2,214.9	32	69.2
1156430	2/9/2016	Planned Outage	47.8	1	47.8
1156433	2/9/2016	Planned Outage	171.6	1	171.6
1156434	2/9/2016	Planned Outage	341.8	1	341.8
1156435	2/9/2016	Planned Outage	79.0	1	79.0
1156437	2/9/2016	Planned Outage	54.1	1	54.1
1156439	2/9/2016	Planned Outage	119.5	1	119.5
1156440	2/9/2016	Planned Outage	307.1	1	307.1
1156441	2/9/2016	Planned Outage	37.3	1	37.3
1156444	2/9/2016	Planned Outage	25.8	1	25.8
1156447	2/9/2016	Planned Outage	197.5	2	98.8
1156448	2/9/2016	Planned Outage	39.3	1	39.3
1156449	2/9/2016	Planned Outage	106.7	3	35.6
1156452	2/9/2016	Planned Outage	115.0	2	57.5
1156454	2/9/2016	Planned Outage	1,852.0	22	84.2
1156458	2/9/2016	Planned Outage	286.7	1	286.7
1156479	2/9/2016	Planned Outage	108.2	1	108.2
1156506	2/9/2016	Planned Outage	981.3	7	140.2
1156560	2/10/2016	Planned Outage	278.2	3	92.7
1156569	2/10/2016	Planned Outage	7,557.0	20	377.9
1156575	2/10/2016	Planned Outage	24.8	1	24.8
1156577	2/10/2016	Planned Outage	30.9	1	30.9
1156582	2/10/2016	Planned Outage	2.7	1	2.7
1156584	2/10/2016	Planned Outage	315.1	2	157.5
1156585	2/10/2016	Planned Outage	460.2	10	46.0
1156586	2/10/2016	Planned Outage	45.8	1	45.8
1156590	2/10/2016	Planned Outage	97.5	4	24.4
1156591	2/10/2016	Planned Outage	74.9	4	18.7
1156602	2/10/2016	Planned Outage	142.1	4	35.5
1156604	2/10/2016	Planned Outage	220.7	14	15.8
1156609	2/10/2016	Planned Outage	51.1	1	51.1
1156622	2/10/2016	Planned Outage	70.8	1	70.8
1156626	2/10/2016	Planned Outage	690.3	10	69.0
1156627	2/10/2016	Planned Outage	28.8	4	7.2
1156636	2/10/2016	Planned Outage	54.6	1	54.6
1156637	2/10/2016	Planned Outage	446.3	3	148.8

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2016 Planned Outages Table

1156638	2/10/2016	Planned Outage	3.8	1	3.8
1156720	2/11/2016	Planned Outage	190.7	5	38.1
1156721	2/11/2016	Planned Outage	269.1	18	15.0
1156722	2/11/2016	Planned Outage	47.2	1	47.2
1156723	2/11/2016	Planned Outage	560.3	5	112.1
1156725	2/11/2016	Planned Outage	344.5	2	172.3
1156729	2/11/2016	Planned Outage	407.1	3	135.7
1156730	2/11/2016	Planned Outage	214.9	22	9.8
1156742	2/11/2016	Planned Outage	89.9	2	45.0
1156744	2/11/2016	Planned Outage	46.7	20	2.3
1156747	2/11/2016	Planned Outage	5.1	1	5.1
1156754	2/11/2016	Planned Outage	31.5	1	31.5
1156755	2/11/2016	Planned Outage	116.4	2	58.2
1156759	2/11/2016	Planned Outage	43.8	1	43.8
1156775	2/11/2016	Planned Outage	102.1	4	25.5
1156785	2/11/2016	Planned Outage	57.4	1	57.4
1156794	2/11/2016	Planned Outage	14.0	1	14.0
1156816	2/11/2016	Planned Outage	281.2	1	281.2
1156831	2/12/2016	Planned Outage	13.7	1	13.7
1156832	2/12/2016	Planned Outage	59.1	1	59.1
1156838	2/12/2016	Planned Outage	48.1	2	24.1
1156840	2/12/2016	Planned Outage	66.6	1	66.6
1156843	2/12/2016	Planned Outage	77.9	1	77.9
1156846	2/12/2016	Planned Outage	21.0	1	21.0
1156847	2/12/2016	Planned Outage	2.2	1	2.2
1156855	2/12/2016	Planned Outage	44.1	1	44.1
1156862	2/12/2016	Planned Outage	427.2	12	35.6
1156866	2/12/2016	Planned Outage	168.1	4	42.0
1156867	2/12/2016	Planned Outage	404.6	3	134.9
1156877	2/12/2016	Planned Outage	64.4	1	64.4
1156927	2/13/2016	Planned Outage	220.8	1	220.8
1156931	2/13/2016	Planned Outage	210.6	2	105.3
1156979	2/14/2016	Planned Outage	451.5	5	90.3
1156988	2/14/2016	Planned Outage	132.2	2	66.1
1157013	2/15/2016	Planned Outage	68.5	1	68.5
1157014	2/15/2016	Planned Outage	367.9	5	73.6
1157018	2/15/2016	Planned Outage	484.5	3	161.5
1157020	2/15/2016	Planned Outage	156.6	3	52.2
1157021	2/15/2016	Planned Outage	36.8	2	18.4
1157023	2/15/2016	Planned Outage	136.0	5	27.2
1157024	2/15/2016	Planned Outage	294.4	3	98.1
1157025	2/15/2016	Planned Outage	134.5	1	134.5
1157026	2/15/2016	Planned Outage	424.6	3	141.5
1157029	2/15/2016	Planned Outage	160.3	5	32.1
1157030	2/15/2016	Planned Outage	95.1	7	13.6
1157032	2/15/2016	Planned Outage	214.1	3	71.4
1157035	2/15/2016	Planned Outage	235.4	2	117.7
1157040	2/15/2016	Planned Outage	131.0	15	8.7
1157041	2/15/2016	Planned Outage	76.6	2	38.3

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2016 Planned Outages Table

1157064	2/15/2016	Planned Outage	263.5	4	65.9
1157075	2/15/2016	Planned Outage	28.0	1	28.0
1157078	2/15/2016	Planned Outage	18.1	1	18.1
1157110	2/15/2016	Planned Outage	32.9	4	8.2
1157116	2/15/2016	Planned Outage	254.8	2	127.4
1158256	2/16/2016	Planned Outage	7.7	1	7.7
1158433	2/16/2016	Planned Outage	38.2	2	19.1
1158545	2/16/2016	Planned Outage	185.3	7	26.5
1158562	2/16/2016	Planned Outage	427.1	13	32.9
1158589	2/16/2016	Planned Outage	17.9	1	17.9
1158590	2/16/2016	Planned Outage	16.9	1	16.9
1158658	2/16/2016	Planned Outage	62.5	5	12.5
1158678	2/16/2016	Planned Outage	15.1	1	15.1
1158693	2/16/2016	Planned Outage	61.5	8	7.7
1158696	2/16/2016	Planned Outage	29.3	1	29.3
1158728	2/16/2016	Planned Outage	8.7	1	8.7
1158749	2/16/2016	Planned Outage	6,270.0	1,800	3.5
1158756	2/16/2016	Planned Outage	168.9	4	42.2
1158761	2/16/2016	Planned Outage	189.7	4	47.4
1158771	2/16/2016	Planned Outage	618.8	13	47.6
1158813	2/16/2016	Planned Outage	6.6	1	6.6
1158825	2/16/2016	Planned Outage	43.0	1	43.0
1158828	2/16/2016	Planned Outage	6.7	3	2.2
1158886	2/17/2016	Planned Outage	40.2	1	40.2
1158887	2/17/2016	Planned Outage	19.6	1	19.6
1158889	2/17/2016	Planned Outage	32.9	1	32.9
1158893	2/17/2016	Planned Outage	20.7	4	5.2
1158898	2/17/2016	Planned Outage	135.5	3	45.2
1158900	2/17/2016	Planned Outage	83.4	1	83.4
1158903	2/17/2016	Planned Outage	1,083.6	13	83.4
1158904	2/17/2016	Planned Outage	4.0	1	4.0
1158909	2/17/2016	Planned Outage	288.2	1	288.2
1158910	2/17/2016	Planned Outage	60.9	1	60.9
1158911	2/17/2016	Planned Outage	76.5	1	76.5
1158913	2/17/2016	Planned Outage	21.3	1	21.3
1158914	2/17/2016	Planned Outage	42.8	1	42.8
1158916	2/17/2016	Planned Outage	135.0	1	135.0
1158923	2/17/2016	Planned Outage	19.1	1	19.1
1158924	2/17/2016	Planned Outage	186.8	1	186.8
1158925	2/17/2016	Planned Outage	209.1	3	69.7
1158928	2/17/2016	Planned Outage	358.1	11	32.6
1158930	2/17/2016	Planned Outage	14.2	1	14.2
1158931	2/17/2016	Planned Outage	164.0	4	41.0
1158932	2/17/2016	Planned Outage	18.4	1	18.4
1158934	2/17/2016	Planned Outage	189.6	4	47.4
1158936	2/17/2016	Planned Outage	86.1	1	86.1
1158937	2/17/2016	Planned Outage	33.9	1	33.9
1158939	2/17/2016	Planned Outage	69.2	2	34.6
1158941	2/17/2016	Planned Outage	61.5	4	15.4

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2016 Planned Outages Table

1158942	2/17/2016	Planned Outage	14.3	2	7.1
1158943	2/17/2016	Planned Outage	121.7	50	2.4
1158945	2/17/2016	Planned Outage	63.8	1	63.8
1158946	2/17/2016	Planned Outage	1,138.3	5	227.7
1159323	2/17/2016	Planned Outage	98.0	4	24.5
1159324	2/17/2016	Planned Outage	281.2	6	46.9
1159336	2/17/2016	Planned Outage	123.4	5	24.7
1159337	2/17/2016	Planned Outage	196.1	5	39.2
1159339	2/17/2016	Planned Outage	113.5	4	28.4
1159340	2/17/2016	Planned Outage	63.3	4	15.8
1159341	2/17/2016	Planned Outage	440.3	8	55.0
1159344	2/17/2016	Planned Outage	8.9	1	8.9
1159348	2/17/2016	Planned Outage	120.5	4	30.1
1159349	2/17/2016	Planned Outage	13.2	4	3.3
1159353	2/17/2016	Planned Outage	5.0	1	5.0
1159354	2/17/2016	Planned Outage	61.1	3	20.4
1159355	2/17/2016	Planned Outage	27.2	2	13.6
1159374	2/17/2016	Planned Outage	21.7	2	10.9
1159376	2/17/2016	Planned Outage	242.6	7	34.7
1159378	2/17/2016	Planned Outage	108.0	3	36.0
1159379	2/17/2016	Planned Outage	180.0	3	60.0
1159380	2/17/2016	Planned Outage	10,721.3	91	117.8
1159382	2/17/2016	Planned Outage	31.8	2	15.9
1159383	2/17/2016	Planned Outage	183.7	5	36.7
1159385	2/17/2016	Planned Outage	100.4	4	25.1
1159386	2/17/2016	Planned Outage	20.1	1	20.1
1159388	2/17/2016	Planned Outage	74.9	4	18.7
1159390	2/17/2016	Planned Outage	118.3	8	14.8
1159405	2/17/2016	Planned Outage	343.7	7	49.1
1159407	2/17/2016	Planned Outage	240.6	4	60.2
1159410	2/17/2016	Planned Outage	119.2	4	29.8
1159413	2/17/2016	Planned Outage	125.1	5	25.0
1159414	2/17/2016	Planned Outage	19.5	4	4.9
1159415	2/17/2016	Planned Outage	64.3	2	32.2
1159416	2/17/2016	Planned Outage	134.8	4	33.7
1159417	2/17/2016	Planned Outage	53.4	3	17.8
1159419	2/17/2016	Planned Outage	104.7	5	20.9
1159420	2/17/2016	Planned Outage	21.3	1	21.3
1159423	2/17/2016	Planned Outage	34.8	1	34.8
1159426	2/17/2016	Planned Outage	37.1	1	37.1
1159427	2/17/2016	Planned Outage	109.9	3	36.6
1159428	2/17/2016	Planned Outage	180.6	5	36.1
1159429	2/17/2016	Planned Outage	123.5	4	30.9
1159436	2/17/2016	Planned Outage	163.7	3	54.6
1159437	2/17/2016	Planned Outage	102.1	4	25.5
1159438	2/17/2016	Planned Outage	105.4	4	26.4
1159442	2/17/2016	Planned Outage	18.2	3	6.1
1159445	2/17/2016	Planned Outage	92.4	5	18.5
1159447	2/17/2016	Planned Outage	164.2	6	27.4

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2016 Planned Outages Table

1159452	2/17/2016	Planned Outage	232.0	5	46.4
1159453	2/17/2016	Planned Outage	73.6	7	10.5
1159458	2/17/2016	Planned Outage	55.9	1	55.9
1159459	2/17/2016	Planned Outage	62.8	4	15.7
1159462	2/17/2016	Planned Outage	36.4	5	7.3
1159464	2/17/2016	Planned Outage	140.0	1	140.0
1159467	2/17/2016	Planned Outage	84.8	5	17.0
1159470	2/17/2016	Planned Outage	84.9	4	21.2
1159474	2/17/2016	Planned Outage	53.7	1	53.7
1159484	2/18/2016	Planned Outage	21.4	1	21.4
1159488	2/18/2016	Planned Outage	10.2	1	10.2
1159499	2/18/2016	Planned Outage	792.8	9	88.1
1159504	2/18/2016	Planned Outage	3,129.9	18	173.9
1159508	2/18/2016	Planned Outage	524.1	3	174.7
1159509	2/18/2016	Planned Outage	1,081.0	5	216.2
1159510	2/18/2016	Planned Outage	22.1	1	22.1
1159511	2/18/2016	Planned Outage	11.1	1	11.1
1159528	2/18/2016	Planned Outage	22.1	1	22.1
1159531	2/18/2016	Planned Outage	891.6	6	148.6
1159533	2/18/2016	Planned Outage	27.6	2	13.8
1159534	2/18/2016	Planned Outage	57.7	4	14.4
1159537	2/18/2016	Planned Outage	79.0	4	19.8
1159540	2/18/2016	Planned Outage	84.9	2	42.5
1159542	2/18/2016	Planned Outage	273.1	3	91.0
1159544	2/18/2016	Planned Outage	34.6	1	34.6
1159545	2/18/2016	Planned Outage	9.2	1	9.2
1159547	2/18/2016	Planned Outage	317.6	14	22.7
1159550	2/18/2016	Planned Outage	49.8	4	12.5
1159551	2/18/2016	Planned Outage	28.3	2	14.2
1159552	2/18/2016	Planned Outage	187.7	2	93.9
1159553	2/18/2016	Planned Outage	90.7	2	45.3
1159555	2/18/2016	Planned Outage	26.6	1	26.6
1159556	2/18/2016	Planned Outage	272.3	10	27.2
1159557	2/18/2016	Planned Outage	121.4	5	24.3
1159559	2/18/2016	Planned Outage	22.4	1	22.4
1159560	2/18/2016	Planned Outage	45.0	1	45.0
1159566	2/18/2016	Planned Outage	215.2	10	21.5
1159573	2/18/2016	Planned Outage	370.1	4	92.5
1159574	2/18/2016	Planned Outage	42.0	1	42.0
1159580	2/18/2016	Planned Outage	234.7	3	78.2
1159601	2/18/2016	Planned Outage	83.8	5	16.8
1159629	2/18/2016	Planned Outage	40.8	1	40.8
1159638	2/19/2016	Planned Outage	256.8	5	51.4
1159645	2/19/2016	Planned Outage	15.0	1	15.0
1159647	2/19/2016	Planned Outage	64.6	3	21.5
1159651	2/19/2016	Planned Outage	1,784.6	9	198.3
1159653	2/19/2016	Planned Outage	304.4	4	76.1
1159662	2/19/2016	Planned Outage	120.0	3	40.0
1159663	2/19/2016	Planned Outage	1,369.7	14	97.8

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2016 Planned Outages Table

1159668	2/19/2016	Planned Outage	15.3	1	15.3
1159669	2/19/2016	Planned Outage	30.5	1	30.5
1159670	2/19/2016	Planned Outage	76.6	3	25.5
1159672	2/19/2016	Planned Outage	42.9	1	42.9
1159675	2/19/2016	Planned Outage	258.1	2	129.1
1159677	2/19/2016	Planned Outage	19.9	1	19.9
1159678	2/19/2016	Planned Outage	33.3	2	16.7
1159679	2/19/2016	Planned Outage	54.8	1	54.8
1159685	2/19/2016	Planned Outage	142.8	5	28.6
1159688	2/19/2016	Planned Outage	29.1	4	7.3
1159690	2/19/2016	Planned Outage	6.2	1	6.2
1159692	2/19/2016	Planned Outage	236.1	6	39.4
1159706	2/19/2016	Planned Outage	60.5	4	15.1
1159707	2/19/2016	Planned Outage	17.4	1	17.4
1159708	2/19/2016	Planned Outage	56.4	3	18.8
1159714	2/19/2016	Planned Outage	83.7	2	41.9
1159765	2/20/2016	Planned Outage	332.7	1	332.7
1159899	2/21/2016	Planned Outage	3,299.0	10	329.9
1159902	2/21/2016	Planned Outage	1,861.4	9	206.8
1159922	2/21/2016	Planned Outage	325.2	4	81.3
1159940	2/21/2016	Planned Outage	76.3	1	76.3
1159961	2/22/2016	Planned Outage	45.9	1	45.9
1159962	2/22/2016	Planned Outage	9.1	1	9.1
1159963	2/22/2016	Planned Outage	1,130.9	9	125.7
1159964	2/22/2016	Planned Outage	101.1	1	101.1
1159966	2/22/2016	Planned Outage	874.9	2	437.5
1159967	2/22/2016	Planned Outage	57,411.5	199	288.5
1159972	2/22/2016	Planned Outage	189.2	7	27.0
1159979	2/22/2016	Planned Outage	264.2	1	264.2
1159988	2/22/2016	Planned Outage	20,476.5	91	225.0
1159991	2/22/2016	Planned Outage	1,688.0	27	62.5
1159995	2/22/2016	Planned Outage	435.5	6	72.6
1159997	2/22/2016	Planned Outage	512.1	7	73.2
1159999	2/22/2016	Planned Outage	50.5	3	16.8
1160001	2/22/2016	Planned Outage	300.2	1	300.2
1160002	2/22/2016	Planned Outage	275.5	21	13.1
1160003	2/22/2016	Planned Outage	55.2	4	13.8
1160004	2/22/2016	Planned Outage	1,284.3	9	142.7
1160015	2/22/2016	Planned Outage	272.3	7	38.9
1160018	2/22/2016	Planned Outage	34.3	2	17.2
1160025	2/22/2016	Planned Outage	2,683.7	83	32.3
1160030	2/22/2016	Planned Outage	21.6	2	10.8
1160034	2/22/2016	Planned Outage	113.6	1	113.6
1160037	2/22/2016	Planned Outage	11.3	1	11.3
1160040	2/22/2016	Planned Outage	358.8	3	119.6
1160076	2/22/2016	Planned Outage	351.6	8	44.0
1160145	2/23/2016	Planned Outage	24.4	1	24.4
1160152	2/23/2016	Planned Outage	655.4	6	109.2
1160161	2/23/2016	Planned Outage	176.0	1	176.0

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2016 Planned Outages Table

1160165	2/23/2016	Planned Outage	28.7	4	7.2
1160167	2/23/2016	Planned Outage	24.2	1	24.2
1160169	2/23/2016	Planned Outage	82.3	3	27.4
1160171	2/23/2016	Planned Outage	37.0	1	37.0
1160173	2/23/2016	Planned Outage	25.0	1	25.0
1160174	2/23/2016	Planned Outage	114.3	1	114.3
1160176	2/23/2016	Planned Outage	20.2	1	20.2
1160178	2/23/2016	Planned Outage	1,446.1	37	39.1
1160183	2/23/2016	Planned Outage	2,153.6	64	33.7
1160184	2/23/2016	Planned Outage	472.4	3	157.5
1160185	2/23/2016	Planned Outage	13.9	2	6.9
1160189	2/23/2016	Planned Outage	234.9	29	8.1
1160192	2/23/2016	Planned Outage	31.2	12	2.6
1160202	2/23/2016	Planned Outage	118.1	1	118.1
1160209	2/23/2016	Planned Outage	193.1	5	38.6
1160212	2/23/2016	Planned Outage	58.0	2	29.0
1160214	2/23/2016	Planned Outage	31.2	1	31.2
1160225	2/23/2016	Planned Outage	146.3	2	73.1
1160230	2/23/2016	Planned Outage	202.7	5	40.5
1160241	2/23/2016	Planned Outage	9.4	1	9.4
1160247	2/23/2016	Planned Outage	506.9	4	126.7
1160711	2/23/2016	Planned Outage	391.4	1	391.4
1161461	2/24/2016	Planned Outage	212.9	4	53.2
1161618	2/24/2016	Planned Outage	20.2	1	20.2
1161647	2/24/2016	Planned Outage	50.0	1	50.0
1161652	2/24/2016	Planned Outage	179.3	4	44.8
1161902	2/24/2016	Planned Outage	78.2	1	78.2
1161986	2/24/2016	Planned Outage	959.1	18	53.3
1162069	2/24/2016	Planned Outage	521.6	7	74.5
1162081	2/24/2016	Planned Outage	182.6	3	60.9
1162112	2/24/2016	Planned Outage	238.8	3	79.6
1162163	2/24/2016	Planned Outage	14.1	1	14.1
1162206	2/24/2016	Planned Outage	11.6	2	5.8
1162311	2/25/2016	Planned Outage	6,794.7	128	53.1
1162320	2/25/2016	Planned Outage	38.1	1	38.1
1162326	2/25/2016	Planned Outage	550.6	4	137.7
1162332	2/25/2016	Planned Outage	23.8	1	23.8
1162339	2/25/2016	Planned Outage	114.3	1	114.3
1162342	2/25/2016	Planned Outage	487.5	32	15.2
1162346	2/25/2016	Planned Outage	23.2	1	23.2
1162348	2/25/2016	Planned Outage	340.6	4	85.2
1162351	2/25/2016	Planned Outage	9.0	1	9.0
1162354	2/25/2016	Planned Outage	152.3	4	38.1
1162355	2/25/2016	Planned Outage	360.0	4	90.0
1162362	2/25/2016	Planned Outage	55.4	1	55.4
1162365	2/25/2016	Planned Outage	23.6	1	23.6
1162367	2/25/2016	Planned Outage	15.5	2	7.7
1162375	2/25/2016	Planned Outage	89.5	3	29.8
1162399	2/25/2016	Planned Outage	1,777.9	113	15.7

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2016 Planned Outages Table

1162406	2/25/2016	Planned Outage	53.5	1	53.5
1162408	2/25/2016	Planned Outage	104.5	2	52.3
1162409	2/25/2016	Planned Outage	1,065.6	32	33.3
1162417	2/25/2016	Planned Outage	553.1	4	138.3
1162421	2/25/2016	Planned Outage	20.4	2	10.2
1162424	2/25/2016	Planned Outage	151.6	7	21.7
1162427	2/25/2016	Planned Outage	182.7	2	91.4
1162429	2/25/2016	Planned Outage	149.2	5	29.8
1162437	2/25/2016	Planned Outage	8.0	1	8.0
1162441	2/25/2016	Planned Outage	59.3	1	59.3
1162450	2/25/2016	Planned Outage	142.7	9	15.9
1162473	2/26/2016	Planned Outage	24.0	1	24.0
1162475	2/26/2016	Planned Outage	42.0	1	42.0
1162476	2/26/2016	Planned Outage	120.0	6	20.0
1162477	2/26/2016	Planned Outage	78.4	5	15.7
1162479	2/26/2016	Planned Outage	48.3	2	24.1
1162481	2/26/2016	Planned Outage	429.0	2	214.5
1162482	2/26/2016	Planned Outage	183.2	10	18.3
1162483	2/26/2016	Planned Outage	128.0	4	32.0
1162488	2/26/2016	Planned Outage	30.0	2	15.0
1162489	2/26/2016	Planned Outage	36.0	3	12.0
1162490	2/26/2016	Planned Outage	34.4	3	11.5
1162491	2/26/2016	Planned Outage	69.6	5	13.9
1162492	2/26/2016	Planned Outage	12.4	1	12.4
1162496	2/26/2016	Planned Outage	106.0	2	53.0
1162497	2/26/2016	Planned Outage	27.3	5	5.5
1162499	2/26/2016	Planned Outage	617.9	5	123.6
1162500	2/26/2016	Planned Outage	12.0	1	12.0
1162503	2/26/2016	Planned Outage	29.2	1	29.2
1162505	2/26/2016	Planned Outage	865.8	15	57.7
1162506	2/26/2016	Planned Outage	94.1	1	94.1
1162508	2/26/2016	Planned Outage	20.8	1	20.8
1162509	2/26/2016	Planned Outage	34.0	2	17.0
1162515	2/26/2016	Planned Outage	34.0	2	17.0
1162517	2/26/2016	Planned Outage	18.0	1	18.0
1162520	2/26/2016	Planned Outage	7.8	1	7.8
1162521	2/26/2016	Planned Outage	45.4	1	45.4
1162523	2/26/2016	Planned Outage	27.1	1	27.1
1162524	2/26/2016	Planned Outage	12.8	1	12.8
1162525	2/26/2016	Planned Outage	12.0	1	12.0
1162529	2/26/2016	Planned Outage	10.0	1	10.0
1162531	2/26/2016	Planned Outage	44.9	1	44.9
1162532	2/26/2016	Planned Outage	48.0	4	12.0
1162536	2/26/2016	Planned Outage	14.0	2	7.0
1162537	2/26/2016	Planned Outage	61.5	2	30.8
1162539	2/26/2016	Planned Outage	2.1	1	2.1
1162544	2/26/2016	Planned Outage	18.0	2	9.0
1162545	2/26/2016	Planned Outage	34.0	2	17.0
1162546	2/26/2016	Planned Outage	29.8	1	29.8

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2016 Planned Outages Table

1162547	2/26/2016	Planned Outage	76.4	4	19.1
1162549	2/26/2016	Planned Outage	52.0	1	52.0
1162551	2/26/2016	Planned Outage	22.0	2	11.0
1162562	2/26/2016	Planned Outage	59.1	1	59.1
1162567	2/26/2016	Planned Outage	12.0	2	6.0
1162568	2/26/2016	Planned Outage	84.0	4	21.0
1162569	2/26/2016	Planned Outage	88.0	3	29.3
1162570	2/26/2016	Planned Outage	16.7	4	4.2
1162578	2/26/2016	Planned Outage	124.7	3	41.6
1162580	2/26/2016	Planned Outage	66.9	4	16.7
1162583	2/26/2016	Planned Outage	199.8	12	16.7
1162588	2/26/2016	Planned Outage	125.5	5	25.1
1162589	2/26/2016	Planned Outage	25.4	1	25.4
1162591	2/26/2016	Planned Outage	86.2	3	28.7
1162600	2/26/2016	Planned Outage	13.8	1	13.8
1162601	2/26/2016	Planned Outage	51.6	1	51.6
1162618	2/26/2016	Planned Outage	106.3	3	35.4
1162649	2/27/2016	Planned Outage	66.0	2	33.0
1162651	2/27/2016	Planned Outage	100.6	7	14.4
1162653	2/27/2016	Planned Outage	180.9	4	45.2
1162654	2/27/2016	Planned Outage	46.9	1	46.9
1162683	2/27/2016	Planned Outage	241.2	7	34.5
1162694	2/27/2016	Planned Outage	188.0	5	37.6
1162717	2/28/2016	Planned Outage	237.6	1	237.6
1162821	2/29/2016	Planned Outage	598.7	6	99.8
1162825	2/29/2016	Planned Outage	84.3	1	84.3
1162828	2/29/2016	Planned Outage	47.8	1	47.8
1162831	2/29/2016	Planned Outage	158.6	1	158.6
1162833	2/29/2016	Planned Outage	97.9	3	32.6
1162836	2/29/2016	Planned Outage	227.0	1	227.0
1162840	2/29/2016	Planned Outage	2,081.4	82	25.4
1162847	2/29/2016	Planned Outage	133.0	12	11.1
1162854	2/29/2016	Planned Outage	379.4	5	75.9
1162857	2/29/2016	Planned Outage	436.2	3	145.4
1162864	2/29/2016	Planned Outage	9.9	1	9.9
1162868	2/29/2016	Planned Outage	23.0	2	11.5
1162871	2/29/2016	Planned Outage	49.1	1	49.1
1162875	2/29/2016	Planned Outage	715.5	9	79.5
1162877	2/29/2016	Planned Outage	87.1	6	14.5
1162879	2/29/2016	Planned Outage	151.8	5	30.4
1162880	2/29/2016	Planned Outage	5.5	1	5.5
1162889	2/29/2016	Planned Outage	49.1	4	12.3
1162909	2/29/2016	Planned Outage	132.8	2	66.4
1162938	3/1/2016	Planned Outage	71.3	1	71.3
1162954	3/1/2016	Planned Outage	423.6	1	423.6
1162958	3/1/2016	Planned Outage	784.3	20	39.2
1162959	3/1/2016	Planned Outage	108.3	9	12.0
1162970	3/1/2016	Planned Outage	94.5	1	94.5
1162971	3/1/2016	Planned Outage	198.0	1	198.0

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2016 Planned Outages Table

1162973	3/1/2016	Planned Outage	19.4	2	9.7
1162974	3/1/2016	Planned Outage	43.9	1	43.9
1162976	3/1/2016	Planned Outage	48.1	1	48.1
1162979	3/1/2016	Planned Outage	328.9	3	109.6
1162981	3/1/2016	Planned Outage	378.0	1	378.0
1162992	3/1/2016	Planned Outage	2,069.7	28	73.9
1163016	3/1/2016	Planned Outage	99.6	7	14.2
1163018	3/1/2016	Planned Outage	343.7	2	171.8
1163051	3/2/2016	Planned Outage	1,549.7	7	221.4
1163058	3/2/2016	Planned Outage	102.3	4	25.6
1163061	3/2/2016	Planned Outage	4.3	1	4.3
1163063	3/2/2016	Planned Outage	579.6	23	25.2
1163072	3/2/2016	Planned Outage	1,865.7	28	66.6
1163076	3/2/2016	Planned Outage	355.0	5	71.0
1163077	3/2/2016	Planned Outage	885.3	7	126.5
1163078	3/2/2016	Planned Outage	1.3	1	1.3
1163079	3/2/2016	Planned Outage	799.4	2	399.7
1163080	3/2/2016	Planned Outage	196.5	10	19.7
1163086	3/2/2016	Planned Outage	112.7	1	112.7
1163089	3/2/2016	Planned Outage	93.7	2	46.9
1163093	3/2/2016	Planned Outage	11.2	1	11.2
1163096	3/2/2016	Planned Outage	718.9	4	179.7
1163100	3/2/2016	Planned Outage	10.2	1	10.2
1163101	3/2/2016	Planned Outage	116.7	2	58.3
1163117	3/2/2016	Planned Outage	42.1	1	42.1
1163122	3/2/2016	Planned Outage	14.4	1	14.4
1163123	3/2/2016	Planned Outage	452.7	9	50.3
1163124	3/2/2016	Planned Outage	49.6	1	49.6
1163126	3/2/2016	Planned Outage	460.8	5	92.2
1163127	3/2/2016	Planned Outage	5.6	1	5.6
1163155	3/2/2016	Planned Outage	121.7	5	24.3
1163158	3/2/2016	Planned Outage	919.5	2	459.7
1163159	3/2/2016	Planned Outage	308.8	2	154.4
1163161	3/2/2016	Planned Outage	26.2	1	26.2
1163162	3/2/2016	Planned Outage	241.7	1	241.7
1163166	3/2/2016	Planned Outage	192.3	1	192.3
1163181	3/3/2016	Planned Outage	74.5	13	5.7
1163182	3/3/2016	Planned Outage	67.7	1	67.7
1163183	3/3/2016	Planned Outage	43.8	1	43.8
1163189	3/3/2016	Planned Outage	474.4	19	25.0
1163194	3/3/2016	Planned Outage	426.9	5	85.4
1163197	3/3/2016	Planned Outage	212.2	2	106.1
1163200	3/3/2016	Planned Outage	1,518.8	10	151.9
1163201	3/3/2016	Planned Outage	612.3	9	68.0
1163203	3/3/2016	Planned Outage	61.4	1	61.4
1163204	3/3/2016	Planned Outage	44.3	1	44.3
1163206	3/3/2016	Planned Outage	140.2	3	46.7
1163208	3/3/2016	Planned Outage	59.4	1	59.4
1163212	3/3/2016	Planned Outage	460.7	5	92.1

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2016 Planned Outages Table

1163215	3/3/2016	Planned Outage	141.2	6	23.5
1163218	3/3/2016	Planned Outage	766.3	23	33.3
1163219	3/3/2016	Planned Outage	303.3	9	33.7
1163221	3/3/2016	Planned Outage	1,078.0	14	77.0
1163222	3/3/2016	Planned Outage	54.4	1	54.4
1163224	3/3/2016	Planned Outage	19.0	1	19.0
1163225	3/3/2016	Planned Outage	11.0	1	11.0
1163226	3/3/2016	Planned Outage	65.9	4	16.5
1163228	3/3/2016	Planned Outage	9.0	1	9.0
1163232	3/3/2016	Planned Outage	141.2	1	141.2
1163233	3/3/2016	Planned Outage	420.5	3	140.2
1163250	3/3/2016	Planned Outage	48.9	1	48.9
1163253	3/3/2016	Planned Outage	174.9	1	174.9
1163256	3/3/2016	Planned Outage	22.0	1	22.0
1163309	3/3/2016	Planned Outage	625.4	2	312.7
1163312	3/3/2016	Planned Outage	18.7	1	18.7
1163317	3/3/2016	Planned Outage	416.5	6	69.4
1163318	3/3/2016	Planned Outage	842.6	11	76.6
1163346	3/3/2016	Planned Outage	215.3	1	215.3
1163351	3/4/2016	Planned Outage	26.8	5	5.4
1163362	3/4/2016	Planned Outage	324.0	6	54.0
1163372	3/4/2016	Planned Outage	128.6	1	128.6
1163376	3/4/2016	Planned Outage	4,799.5	29	165.5
1163378	3/4/2016	Planned Outage	6,621.3	40	165.5
1163380	3/4/2016	Planned Outage	6.1	1	6.1
1163381	3/4/2016	Planned Outage	11.5	4	2.9
1163384	3/4/2016	Planned Outage	1.8	1	1.8
1163387	3/4/2016	Planned Outage	83.6	2	41.8
1163389	3/4/2016	Planned Outage	20.4	1	20.4
1163390	3/4/2016	Planned Outage	34.8	1	34.8
1163392	3/4/2016	Planned Outage	37.7	6	6.3
1163393	3/4/2016	Planned Outage	53.3	1	53.3
1163400	3/4/2016	Planned Outage	7.3	1	7.3
1163404	3/4/2016	Planned Outage	54.5	1	54.5
1163406	3/4/2016	Planned Outage	86.2	2	43.1
1163409	3/4/2016	Planned Outage	107.9	4	27.0
1163410	3/4/2016	Planned Outage	99.6	3	33.2
1163412	3/4/2016	Planned Outage	160.0	4	40.0
1163413	3/4/2016	Planned Outage	15.9	1	15.9
1163422	3/4/2016	Planned Outage	29.6	1	29.6
1163432	3/4/2016	Planned Outage	68.0	1	68.0
1163433	3/4/2016	Planned Outage	13.8	1	13.8
1163434	3/4/2016	Planned Outage	27.2	6	4.5
1163441	3/4/2016	Planned Outage	658.8	12	54.9
1163455	3/5/2016	Planned Outage	302.3	4	75.6
1163474	3/5/2016	Planned Outage	27.2	1	27.2
1163481	3/5/2016	Planned Outage	17.4	1	17.4
1163490	3/5/2016	Planned Outage	35.8	1	35.8
1163500	3/5/2016	Planned Outage	51.8	1	51.8

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2016 Planned Outages Table

1163549	3/6/2016	Planned Outage	7.7	1	7.7
1163560	3/6/2016	Planned Outage	39.2	7	5.6
1163625	3/7/2016	Planned Outage	1,554.3	11	141.3
1163626	3/7/2016	Planned Outage	228.4	2	114.2
1163645	3/7/2016	Planned Outage	1,156.4	3	385.5
1163648	3/7/2016	Planned Outage	162.1	1	162.1
1163650	3/7/2016	Planned Outage	67.2	1	67.2
1163651	3/7/2016	Planned Outage	31.1	1	31.1
1163653	3/7/2016	Planned Outage	236.6	1	236.6
1163662	3/7/2016	Planned Outage	105.5	2	52.8
1163663	3/7/2016	Planned Outage	1,254.0	9	139.3
1163664	3/7/2016	Planned Outage	139.6	1	139.6
1163665	3/7/2016	Planned Outage	546.4	4	136.6
1163666	3/7/2016	Planned Outage	135.9	1	135.9
1163673	3/7/2016	Planned Outage	18.3	1	18.3
1163674	3/7/2016	Planned Outage	62.9	4	15.7
1163675	3/7/2016	Planned Outage	32.8	1	32.8
1163680	3/7/2016	Planned Outage	23.0	1	23.0
1163681	3/7/2016	Planned Outage	6.4	1	6.4
1163683	3/7/2016	Planned Outage	13,399.9	98	136.7
1163689	3/7/2016	Planned Outage	14.6	1	14.6
1163690	3/7/2016	Planned Outage	41.2	1	41.2
1163700	3/7/2016	Planned Outage	213.1	2	106.6
1163702	3/7/2016	Planned Outage	734.0	6	122.3
1163712	3/7/2016	Planned Outage	264.2	6	44.0
1163716	3/7/2016	Planned Outage	232.4	5	46.5
1163721	3/7/2016	Planned Outage	54.6	1	54.6
1163735	3/7/2016	Planned Outage	156.1	6	26.0
1163775	3/8/2016	Planned Outage	48.1	2	24.0
1163783	3/8/2016	Planned Outage	535.8	9	59.5
1163785	3/8/2016	Planned Outage	138.9	2	69.4
1163787	3/8/2016	Planned Outage	891.1	6	148.5
1163792	3/8/2016	Planned Outage	73.4	2	36.7
1163793	3/8/2016	Planned Outage	105.8	1	105.8
1163803	3/8/2016	Planned Outage	829.9	29	28.6
1163809	3/8/2016	Planned Outage	81.5	3	27.2
1163815	3/8/2016	Planned Outage	68.5	1	68.5
1163819	3/8/2016	Planned Outage	83.4	3	27.8
1163820	3/8/2016	Planned Outage	249.0	2	124.5
1163821	3/8/2016	Planned Outage	292.2	5	58.4
1163824	3/8/2016	Planned Outage	206.4	2	103.2
1163827	3/8/2016	Planned Outage	170.2	3	56.7
1163834	3/8/2016	Planned Outage	163.2	2	81.6
1163835	3/8/2016	Planned Outage	81.0	1	81.0
1163836	3/8/2016	Planned Outage	80.1	4	20.0
1163837	3/8/2016	Planned Outage	55.2	4	13.8
1163838	3/8/2016	Planned Outage	317.8	5	63.6
1163841	3/8/2016	Planned Outage	83.9	1	83.9
1163843	3/8/2016	Planned Outage	58.4	2	29.2

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2016 Planned Outages Table

1163847	3/8/2016	Planned Outage	43.3	5	8.7
1163893	3/9/2016	Planned Outage	272.2	7	38.9
1163903	3/9/2016	Planned Outage	1,178.9	29	40.7
1163905	3/9/2016	Planned Outage	402.2	3	134.1
1163907	3/9/2016	Planned Outage	77.1	6	12.9
1163910	3/9/2016	Planned Outage	213.8	1	213.8
1163911	3/9/2016	Planned Outage	45.5	1	45.5
1163914	3/9/2016	Planned Outage	1,208.4	8	151.1
1163915	3/9/2016	Planned Outage	72.8	6	12.1
1163916	3/9/2016	Planned Outage	772.2	4	193.1
1163917	3/9/2016	Planned Outage	65.6	7	9.4
1163918	3/9/2016	Planned Outage	29.9	1	29.9
1163921	3/9/2016	Planned Outage	32.2	3	10.7
1163922	3/9/2016	Planned Outage	74.1	1	74.1
1163923	3/9/2016	Planned Outage	3,031.6	24	126.3
1163926	3/9/2016	Planned Outage	43.0	1	43.0
1163933	3/9/2016	Planned Outage	220.5	2	110.3
1163937	3/9/2016	Planned Outage	46.2	1	46.2
1163938	3/9/2016	Planned Outage	22.8	1	22.8
1163939	3/9/2016	Planned Outage	142.8	7	20.4
1163949	3/9/2016	Planned Outage	14.8	1	14.8
1163964	3/9/2016	Planned Outage	602.3	4	150.6
1163978	3/9/2016	Planned Outage	191.0	2	95.5
1163979	3/9/2016	Planned Outage	15.6	1	15.6
1163981	3/9/2016	Planned Outage	324.7	5	64.9
1163982	3/9/2016	Planned Outage	3,676.5	57	64.5
1163983	3/9/2016	Planned Outage	579.5	9	64.4
1163988	3/9/2016	Planned Outage	295.2	3	98.4
1163991	3/9/2016	Planned Outage	2,907.8	166	17.5
1163996	3/9/2016	Planned Outage	395.9	2	198.0
1163998	3/9/2016	Planned Outage	497.4	4	124.4
1164005	3/9/2016	Planned Outage	71.0	1	71.0
1164023	3/9/2016	Planned Outage	1,889.8	29	65.2
1164042	3/10/2016	Planned Outage	969.3	7	138.5
1164045	3/10/2016	Planned Outage	920.8	6	153.5
1164250	3/10/2016	Planned Outage	327.5	3	109.2
1164268	3/10/2016	Planned Outage	235.7	1	235.7
1164273	3/10/2016	Planned Outage	438.0	2	219.0
1164274	3/10/2016	Planned Outage	271.6	6	45.3
1164275	3/10/2016	Planned Outage	385.9	4	96.5
1164277	3/10/2016	Planned Outage	324.7	3	108.2
1164278	3/10/2016	Planned Outage	1,762.4	9	195.8
1164285	3/10/2016	Planned Outage	85.1	1	85.1
1164287	3/10/2016	Planned Outage	100.0	1	100.0
1164293	3/10/2016	Planned Outage	1,255.3	7	179.3
1164304	3/10/2016	Planned Outage	277.8	2	138.9
1164307	3/10/2016	Planned Outage	131.1	1	131.1
1164313	3/10/2016	Planned Outage	490.5	7	70.1
1164315	3/10/2016	Planned Outage	442.8	5	88.6

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2016 Planned Outages Table

1164321	3/10/2016	Planned Outage	64.6	2	32.3
1164323	3/10/2016	Planned Outage	168.4	4	42.1
1164340	3/10/2016	Planned Outage	33.6	1	33.6
1164350	3/10/2016	Planned Outage	21.9	2	10.9
1164351	3/10/2016	Planned Outage	168.0	2	84.0
1164380	3/10/2016	Planned Outage	49.8	6	8.3
1164385	3/10/2016	Planned Outage	3,468.2	27	128.5
1164389	3/10/2016	Planned Outage	488.4	46	10.6
1164421	3/11/2016	Planned Outage	793.6	6	132.3
1164436	3/11/2016	Planned Outage	326.3	26	12.6
1164439	3/11/2016	Planned Outage	671.0	7	95.9
1164444	3/11/2016	Planned Outage	36.2	1	36.2
1164449	3/11/2016	Planned Outage	30.3	1	30.3
1164454	3/11/2016	Planned Outage	199.7	6	33.3
1164455	3/11/2016	Planned Outage	24.7	3	8.2
1164456	3/11/2016	Planned Outage	87.5	4	21.9
1164457	3/11/2016	Planned Outage	1,593.5	4	398.4
1164461	3/11/2016	Planned Outage	27.4	3	9.1
1164465	3/11/2016	Planned Outage	6.1	1	6.1
1164490	3/11/2016	Planned Outage	69.1	2	34.6
1164491	3/11/2016	Planned Outage	24.0	3	8.0
1164688	3/13/2016	Planned Outage	12.6	1	12.6
1164691	3/13/2016	Planned Outage	8.6	1	8.6
1164696	3/13/2016	Planned Outage	75.7	1	75.7
1164703	3/13/2016	Planned Outage	61.4	1	61.4
1164856	3/14/2016	Planned Outage	92.7	2	46.4
1164858	3/14/2016	Planned Outage	1,730.8	10	173.1
1164859	3/14/2016	Planned Outage	15.1	1	15.1
1164860	3/14/2016	Planned Outage	7,491.1	21	356.7
1164868	3/14/2016	Planned Outage	255.0	3	85.0
1164869	3/14/2016	Planned Outage	38.3	1	38.3
1164873	3/14/2016	Planned Outage	581.1	4	145.3
1164875	3/14/2016	Planned Outage	2,354.0	5	470.8
1164878	3/14/2016	Planned Outage	241.4	9	26.8
1164879	3/14/2016	Planned Outage	93.2	3	31.1
1164882	3/14/2016	Planned Outage	28.5	1	28.5
1164886	3/14/2016	Planned Outage	113.1	7	16.2
1164887	3/14/2016	Planned Outage	603.0	9	67.0
1164890	3/14/2016	Planned Outage	23.9	2	12.0
1164892	3/14/2016	Planned Outage	88.2	2	44.1
1164893	3/14/2016	Planned Outage	207.7	2	103.9
1164894	3/14/2016	Planned Outage	104.0	1	104.0
1164895	3/14/2016	Planned Outage	45.9	2	22.9
1164897	3/14/2016	Planned Outage	47.4	1	47.4
1164898	3/14/2016	Planned Outage	12.1	1	12.1
1164902	3/14/2016	Planned Outage	12.2	1	12.2
1164914	3/14/2016	Planned Outage	7.8	2	3.9
1164921	3/14/2016	Planned Outage	126.5	3	42.2
1164936	3/14/2016	Planned Outage	60.5	1	60.5

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2016 Planned Outages Table

1164939	3/14/2016	Planned Outage	131.0	4	32.8
1164975	3/15/2016	Planned Outage	493.3	14	35.2
1164978	3/15/2016	Planned Outage	320.9	1	320.9
1164979	3/15/2016	Planned Outage	261.3	25	10.5
1164980	3/15/2016	Planned Outage	56.1	2	28.1
1164981	3/15/2016	Planned Outage	975.6	2	487.8
1164982	3/15/2016	Planned Outage	86.6	1	86.6
1164983	3/15/2016	Planned Outage	173.3	1	173.3
1164984	3/15/2016	Planned Outage	81.7	1	81.7
1164985	3/15/2016	Planned Outage	16.9	2	8.4
1164988	3/15/2016	Planned Outage	330.3	2	165.1
1164990	3/15/2016	Planned Outage	379.3	1	379.3
1164991	3/15/2016	Planned Outage	13.2	3	4.4
1164995	3/15/2016	Planned Outage	111.2	1	111.2
1164998	3/15/2016	Planned Outage	110.4	1	110.4
1164999	3/15/2016	Planned Outage	101.4	1	101.4
1165003	3/15/2016	Planned Outage	1,090.4	9	121.2
1165006	3/15/2016	Planned Outage	28.7	1	28.7
1165007	3/15/2016	Planned Outage	28.4	1	28.4
1165015	3/15/2016	Planned Outage	47.4	3	15.8
1165016	3/15/2016	Planned Outage	60.7	1	60.7
1165020	3/15/2016	Planned Outage	14.9	2	7.5
1165028	3/15/2016	Planned Outage	88.6	3	29.5
1165029	3/15/2016	Planned Outage	9,621.7	338	28.5
1165030	3/15/2016	Planned Outage	519.1	4	129.8
1165032	3/15/2016	Planned Outage	27.0	2	13.5
1165037	3/15/2016	Planned Outage	350.3	4	87.6
1165046	3/15/2016	Planned Outage	377.7	3	125.9
1165047	3/15/2016	Planned Outage	72.9	1	72.9
1165051	3/15/2016	Planned Outage	511.6	4	127.9
1165060	3/15/2016	Planned Outage	38.7	1	38.7
1165066	3/15/2016	Planned Outage	24.0	1	24.0
1165079	3/16/2016	Planned Outage	26.2	1	26.2
1165082	3/16/2016	Planned Outage	569.7	10	57.0
1165086	3/16/2016	Planned Outage	3.7	1	3.7
1165087	3/16/2016	Planned Outage	353.0	2	176.5
1165089	3/16/2016	Planned Outage	36.6	1	36.6
1165097	3/16/2016	Planned Outage	1,405.0	10	140.5
1165102	3/16/2016	Planned Outage	13,888.0	84	165.3
1165110	3/16/2016	Planned Outage	770.5	6	128.4
1165112	3/16/2016	Planned Outage	237.2	6	39.5
1165113	3/16/2016	Planned Outage	164.1	2	82.1
1165124	3/16/2016	Planned Outage	36.4	1	36.4
1165144	3/16/2016	Planned Outage	91.8	3	30.6
1165147	3/16/2016	Planned Outage	292.6	3	97.5
1165148	3/16/2016	Planned Outage	83.9	4	21.0
1165150	3/16/2016	Planned Outage	305.0	14	21.8
1165152	3/16/2016	Planned Outage	16.3	1	16.3
1165154	3/16/2016	Planned Outage	78.7	1	78.7

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2016 Planned Outages Table

1165155	3/16/2016	Planned Outage	78.6	1	78.6
1165164	3/16/2016	Planned Outage	702.8	3	234.3
1165171	3/16/2016	Planned Outage	95.9	2	47.9
1165176	3/16/2016	Planned Outage	165.7	3	55.2
1165191	3/16/2016	Planned Outage	59.6	3	19.9
1165192	3/16/2016	Planned Outage	817.3	4	204.3
1165194	3/16/2016	Planned Outage	367.3	6	61.2
1165203	3/16/2016	Planned Outage	89.5	2	44.7
1165210	3/17/2016	Planned Outage	90.5	1	90.5
1165215	3/17/2016	Planned Outage	48.4	1	48.4
1165224	3/17/2016	Planned Outage	83.4	1	83.4
1165229	3/17/2016	Planned Outage	181.6	4	45.4
1165231	3/17/2016	Planned Outage	13.0	1	13.0
1165232	3/17/2016	Planned Outage	85.3	5	17.1
1165237	3/17/2016	Planned Outage	328.0	6	54.7
1165239	3/17/2016	Planned Outage	4,478.5	78	57.4
1165247	3/17/2016	Planned Outage	263.4	6	43.9
1165248	3/17/2016	Planned Outage	40.1	4	10.0
1165249	3/17/2016	Planned Outage	1,615.3	5	323.1
1165250	3/17/2016	Planned Outage	42.7	3	14.2
1165252	3/17/2016	Planned Outage	1,934.3	28	69.1
1165257	3/17/2016	Planned Outage	1,335.7	10	133.6
1165258	3/17/2016	Planned Outage	34.5	4	8.6
1165260	3/17/2016	Planned Outage	568.7	20	28.4
1165262	3/17/2016	Planned Outage	103.8	4	26.0
1165263	3/17/2016	Planned Outage	8.0	2	4.0
1165270	3/17/2016	Planned Outage	1,096.3	4	274.1
1165276	3/17/2016	Planned Outage	47.4	2	23.7
1165284	3/17/2016	Planned Outage	65.6	1	65.6
1165289	3/17/2016	Planned Outage	72.2	1	72.2
1165298	3/17/2016	Planned Outage	240.0	5	48.0
1165304	3/17/2016	Planned Outage	298.7	4	74.7
1165307	3/17/2016	Planned Outage	239.8	5	48.0
1165527	3/18/2016	Planned Outage	44.1	1	44.1
1165528	3/18/2016	Planned Outage	25.3	1	25.3
1165529	3/18/2016	Planned Outage	356.3	5	71.3
1165530	3/18/2016	Planned Outage	520.0	4	130.0
1165540	3/18/2016	Planned Outage	3,108.3	26	119.6
1165553	3/18/2016	Planned Outage	101.2	6	16.9
1165558	3/18/2016	Planned Outage	20.6	1	20.6
1165561	3/18/2016	Planned Outage	724.3	14	51.7
1165563	3/18/2016	Planned Outage	21.9	1	21.9
1165565	3/18/2016	Planned Outage	107.6	3	35.9
1165569	3/18/2016	Planned Outage	57.9	3	19.3
1165571	3/18/2016	Planned Outage	569.2	7	81.3
1165577	3/18/2016	Planned Outage	88.4	2	44.2
1165686	3/19/2016	Planned Outage	11.7	1	11.7
1165734	3/20/2016	Planned Outage	93.3	8	11.7
1165765	3/20/2016	Planned Outage	37.2	1	37.2

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2016 Planned Outages Table

1165815	3/21/2016	Planned Outage	66.4	2	33.2
1165824	3/21/2016	Planned Outage	131.4	1	131.4
1165825	3/21/2016	Planned Outage	41.7	1	41.7
1165826	3/21/2016	Planned Outage	138.3	1	138.3
1165832	3/21/2016	Planned Outage	186.5	10	18.7
1165833	3/21/2016	Planned Outage	100.7	3	33.6
1165836	3/21/2016	Planned Outage	547.3	4	136.8
1165840	3/21/2016	Planned Outage	4,501.6	17	264.8
1165841	3/21/2016	Planned Outage	7,671.5	29	264.5
1165842	3/21/2016	Planned Outage	28.5	2	14.3
1165843	3/21/2016	Planned Outage	9.6	1	9.6
1165844	3/21/2016	Planned Outage	331.6	4	82.9
1165846	3/21/2016	Planned Outage	22.8	1	22.8
1165849	3/21/2016	Planned Outage	875.8	11	79.6
1165852	3/21/2016	Planned Outage	40.0	6	6.7
1165868	3/21/2016	Planned Outage	8.8	3	2.9
1165872	3/21/2016	Planned Outage	13.3	1	13.3
1165873	3/21/2016	Planned Outage	21.6	1	21.6
1165884	3/21/2016	Planned Outage	585.0	4	146.3
1165915	3/21/2016	Planned Outage	28.0	1	28.0
1165922	3/22/2016	Planned Outage	215.4	6	35.9
1165927	3/22/2016	Planned Outage	133.9	1	133.9
1165930	3/22/2016	Planned Outage	37.4	3	12.5
1165931	3/22/2016	Planned Outage	345.7	1	345.7
1165932	3/22/2016	Planned Outage	296.2	2	148.1
1165935	3/22/2016	Planned Outage	662.7	2	331.4
1165941	3/22/2016	Planned Outage	37.0	1	37.0
1165944	3/22/2016	Planned Outage	79.1	3	26.4
1165945	3/22/2016	Planned Outage	7.6	1	7.6
1165947	3/22/2016	Planned Outage	397.5	4	99.4
1165948	3/22/2016	Planned Outage	38.3	1	38.3
1165949	3/22/2016	Planned Outage	344.7	9	38.3
1165950	3/22/2016	Planned Outage	82.3	1	82.3
1165952	3/22/2016	Planned Outage	1,090.5	8	136.3
1165957	3/22/2016	Planned Outage	308.2	1	308.2
1165960	3/22/2016	Planned Outage	11.2	1	11.2
1165963	3/22/2016	Planned Outage	18.4	1	18.4
1165965	3/22/2016	Planned Outage	28.3	4	7.1
1165967	3/22/2016	Planned Outage	40.9	2	20.4
1165973	3/22/2016	Planned Outage	5.2	1	5.2
1165975	3/22/2016	Planned Outage	692.7	4	173.2
1165985	3/22/2016	Planned Outage	3.0	1	3.0
1165987	3/22/2016	Planned Outage	111.9	1	111.9
1165989	3/22/2016	Planned Outage	14.1	1	14.1
1165997	3/22/2016	Planned Outage	3.6	1	3.6
1166006	3/22/2016	Planned Outage	21.5	1	21.5
1166011	3/22/2016	Planned Outage	179.5	3	59.8
1166014	3/22/2016	Planned Outage	16.1	1	16.1
1166015	3/22/2016	Planned Outage	12.4	1	12.4

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2016 Planned Outages Table

1166017	3/22/2016	Planned Outage	430.7	11	39.2
1166018	3/22/2016	Planned Outage	110.9	4	27.7
1166041	3/23/2016	Planned Outage	66.2	1	66.2
1166042	3/23/2016	Planned Outage	48.6	1	48.6
1166043	3/23/2016	Planned Outage	117.8	1	117.8
1166045	3/23/2016	Planned Outage	90.2	1	90.2
1166047	3/23/2016	Planned Outage	539.3	4	134.8
1166048	3/23/2016	Planned Outage	332.3	4	83.1
1166049	3/23/2016	Planned Outage	3,014.9	16	188.4
1166051	3/23/2016	Planned Outage	340.0	4	85.0
1166054	3/23/2016	Planned Outage	144.1	1	144.1
1166055	3/23/2016	Planned Outage	7.7	1	7.7
1166059	3/23/2016	Planned Outage	172.0	2	86.0
1166062	3/23/2016	Planned Outage	6.0	3	2.0
1166065	3/23/2016	Planned Outage	184.3	1	184.3
1166066	3/23/2016	Planned Outage	902.4	3	300.8
1166071	3/23/2016	Planned Outage	419.1	4	104.8
1166072	3/23/2016	Planned Outage	163.0	3	54.3
1166074	3/23/2016	Planned Outage	207.3	10	20.7
1166076	3/23/2016	Planned Outage	23.3	4	5.8
1166077	3/23/2016	Planned Outage	14.7	2	7.4
1166084	3/23/2016	Planned Outage	14.9	1	14.9
1166086	3/23/2016	Planned Outage	13.8	1	13.8
1166111	3/23/2016	Planned Outage	177.0	2	88.5
1166130	3/24/2016	Planned Outage	116.3	1	116.3
1166133	3/24/2016	Planned Outage	871.9	6	145.3
1166135	3/24/2016	Planned Outage	471.1	6	78.5
1166137	3/24/2016	Planned Outage	47.9	4	12.0
1166138	3/24/2016	Planned Outage	8.6	1	8.6
1166139	3/24/2016	Planned Outage	39.1	1	39.1
1166141	3/24/2016	Planned Outage	138.2	1	138.2
1166142	3/24/2016	Planned Outage	271.8	2	135.9
1166143	3/24/2016	Planned Outage	195.5	3	65.2
1166145	3/24/2016	Planned Outage	467.8	10	46.8
1166149	3/24/2016	Planned Outage	158.6	3	52.9
1166150	3/24/2016	Planned Outage	32.8	4	8.2
1166151	3/24/2016	Planned Outage	19.6	1	19.6
1166153	3/24/2016	Planned Outage	652.1	3	217.4
1166154	3/24/2016	Planned Outage	61.1	2	30.5
1166155	3/24/2016	Planned Outage	389.1	93	4.2
1166162	3/24/2016	Planned Outage	37.7	2	18.9
1166166	3/24/2016	Planned Outage	52.3	3	17.4
1166176	3/24/2016	Planned Outage	69.7	1	69.7
1166177	3/24/2016	Planned Outage	24.8	3	8.3
1166182	3/24/2016	Planned Outage	374.7	18	20.8
1166521	3/25/2016	Planned Outage	101.4	2	50.7
1166543	3/25/2016	Planned Outage	34.9	1	34.9
1166578	3/25/2016	Planned Outage	966.6	5	193.3
1166580	3/25/2016	Planned Outage	210.1	1	210.1

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2016 Planned Outages Table

1166581	3/25/2016	Planned Outage	1,127.1	26	43.4
1166589	3/25/2016	Planned Outage	40.2	1	40.2
1166591	3/25/2016	Planned Outage	120.6	2	60.3
1166596	3/25/2016	Planned Outage	38.2	1	38.2
1166616	3/25/2016	Planned Outage	3.5	1	3.5
1166618	3/25/2016	Planned Outage	528.0	4	132.0
1166628	3/25/2016	Planned Outage	5.7	1	5.7
1166874	3/27/2016	Planned Outage	346.4	2	173.2
1166881	3/27/2016	Planned Outage	69.4	2	34.7
1166912	3/27/2016	Planned Outage	195.5	4	48.9
1166936	3/27/2016	Planned Outage	20.7	1	20.7
1166986	3/28/2016	Planned Outage	188.8	7	27.0
1166990	3/28/2016	Planned Outage	128.1	1	128.1
1166991	3/28/2016	Planned Outage	73.2	1	73.2
1167000	3/28/2016	Planned Outage	599.6	8	75.0
1167001	3/28/2016	Planned Outage	23.3	1	23.3
1167005	3/28/2016	Planned Outage	28.5	1	28.5
1167011	3/28/2016	Planned Outage	85.8	1	85.8
1167013	3/28/2016	Planned Outage	42.3	1	42.3
1167017	3/28/2016	Planned Outage	34.2	1	34.2
1167018	3/28/2016	Planned Outage	46.7	1	46.7
1167020	3/28/2016	Planned Outage	191.3	1	191.3
1167022	3/28/2016	Planned Outage	381.1	2	190.5
1167023	3/28/2016	Planned Outage	189.4	1	189.4
1167024	3/28/2016	Planned Outage	104.2	2	52.1
1167027	3/28/2016	Planned Outage	48.0	1	48.0
1167028	3/28/2016	Planned Outage	187.5	1	187.5
1167029	3/28/2016	Planned Outage	286.9	1	286.9
1167031	3/28/2016	Planned Outage	74.9	2	37.5
1167032	3/28/2016	Planned Outage	24.0	1	24.0
1167033	3/28/2016	Planned Outage	436.7	2	218.3
1167036	3/28/2016	Planned Outage	20.8	1	20.8
1167037	3/28/2016	Planned Outage	156.5	1	156.5
1167039	3/28/2016	Planned Outage	374.1	4	93.5
1167044	3/28/2016	Planned Outage	145.9	4	36.5
1167051	3/28/2016	Planned Outage	78.9	1	78.9
1167052	3/28/2016	Planned Outage	78.9	1	78.9
1167053	3/28/2016	Planned Outage	76.8	1	76.8
1167054	3/28/2016	Planned Outage	76.6	1	76.6
1167064	3/28/2016	Planned Outage	60.8	2	30.4
1167065	3/28/2016	Planned Outage	40.9	2	20.5
1167066	3/28/2016	Planned Outage	109.5	1	109.5
1167069	3/28/2016	Planned Outage	4.2	1	4.2
1167071	3/28/2016	Planned Outage	1.1	1	1.1
1167072	3/28/2016	Planned Outage	232.2	3	77.4
1167073	3/28/2016	Planned Outage	89.4	1	89.4
1167076	3/28/2016	Planned Outage	24.4	3	8.1
1167098	3/28/2016	Planned Outage	41.2	5	8.2
1167099	3/28/2016	Planned Outage	78.5	1	78.5

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2016 Planned Outages Table

1167100	3/28/2016	Planned Outage	32.7	1	32.7
1167103	3/28/2016	Planned Outage	134.6	1	134.6
1167107	3/28/2016	Planned Outage	38.8	1	38.8
1167113	3/29/2016	Planned Outage	562.0	3	187.3
1167124	3/29/2016	Planned Outage	74.7	2	37.3
1167129	3/29/2016	Planned Outage	814.9	5	163.0
1167131	3/29/2016	Planned Outage	883.2	6	147.2
1167139	3/29/2016	Planned Outage	185.4	11	16.9
1167144	3/29/2016	Planned Outage	134.3	3	44.8
1167149	3/29/2016	Planned Outage	236.1	1	236.1
1167152	3/29/2016	Planned Outage	10.5	2	5.3
1167156	3/29/2016	Planned Outage	325.4	27	12.1
1167157	3/29/2016	Planned Outage	413.1	9	45.9
1167168	3/29/2016	Planned Outage	181.2	1	181.2
1167171	3/29/2016	Planned Outage	59.4	1	59.4
1167172	3/29/2016	Planned Outage	58.7	1	58.7
1167175	3/29/2016	Planned Outage	12.2	1	12.2
1167183	3/29/2016	Planned Outage	117.3	1	117.3
1167187	3/29/2016	Planned Outage	1,313.6	12	109.5
1167189	3/29/2016	Planned Outage	2,021.2	93	21.7
1167307	3/29/2016	Planned Outage	1,739.0	9	193.2
1167308	3/29/2016	Planned Outage	4,269.1	22	194.1
1167318	3/29/2016	Planned Outage	79.7	5	15.9
1167329	3/29/2016	Planned Outage	68.8	1	68.8
1167330	3/29/2016	Planned Outage	294.8	5	59.0
1167337	3/29/2016	Planned Outage	238.7	2	119.4
1167345	3/30/2016	Planned Outage	101.9	5	20.4
1167346	3/30/2016	Planned Outage	1,703.4	12	142.0
1167348	3/30/2016	Planned Outage	89.9	6	15.0
1167511	3/30/2016	Planned Outage	601.2	3	200.4
1167522	3/30/2016	Planned Outage	69.1	1	69.1
1167536	3/30/2016	Planned Outage	9,183.9	363	25.3
1167548	3/30/2016	Planned Outage	372.5	5	74.5
1167551	3/30/2016	Planned Outage	1,198.0	8	149.8
1167558	3/30/2016	Planned Outage	227.2	1	227.2
1167566	3/30/2016	Planned Outage	21.5	1	21.5
1167568	3/30/2016	Planned Outage	1,346.2	11	122.4
1167577	3/30/2016	Planned Outage	4,374.8	12	364.6
1167578	3/30/2016	Planned Outage	2,917.6	8	364.7
1167582	3/30/2016	Planned Outage	79.0	1	79.0
1167586	3/30/2016	Planned Outage	188.2	3	62.7
1167588	3/30/2016	Planned Outage	119.9	4	30.0
1167589	3/30/2016	Planned Outage	180.9	6	30.2
1167590	3/30/2016	Planned Outage	8.8	1	8.8
1167596	3/30/2016	Planned Outage	44.5	1	44.5
1167598	3/30/2016	Planned Outage	1.5	1	1.5
1167605	3/30/2016	Planned Outage	160.5	1	160.5
1167614	3/30/2016	Planned Outage	17.5	1	17.5
1167619	3/30/2016	Planned Outage	17.5	1	17.5

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2016 Planned Outages Table

1167626	3/30/2016	Planned Outage	18.1	1	18.1
1167635	3/30/2016	Planned Outage	79.3	1	79.3
1167639	3/31/2016	Planned Outage	353.6	7	50.5
1167642	3/31/2016	Planned Outage	215.5	2	107.8
1167664	3/31/2016	Planned Outage	56.2	10	5.6
1167666	3/31/2016	Planned Outage	166.1	1	166.1
1167667	3/31/2016	Planned Outage	111.1	1	111.1
1167668	3/31/2016	Planned Outage	555.2	5	111.0
1167684	3/31/2016	Planned Outage	96.8	1	96.8
1167687	3/31/2016	Planned Outage	60.4	1	60.4
1167689	3/31/2016	Planned Outage	7.7	1	7.7
1167690	3/31/2016	Planned Outage	24.7	3	8.2
1167691	3/31/2016	Planned Outage	28.1	1	28.1
1167692	3/31/2016	Planned Outage	30.7	2	15.4
1167698	3/31/2016	Planned Outage	195.5	1	195.5
1167699	3/31/2016	Planned Outage	110.4	2	55.2
1167700	3/31/2016	Planned Outage	54.1	7	7.7
1167710	3/31/2016	Planned Outage	10.1	2	5.1
1167720	3/31/2016	Planned Outage	68.5	1	68.5
1167725	3/31/2016	Planned Outage	29.6	1	29.6
1167731	3/31/2016	Planned Outage	1.2	1	1.2
1167738	3/31/2016	Planned Outage	32.8	1	32.8
1167755	4/1/2016	Planned Outage	35.0	5	7.0
1167756	4/1/2016	Planned Outage	38.9	1	38.9
1167759	4/1/2016	Planned Outage	13.1	1	13.1
1167762	4/1/2016	Planned Outage	10.2	1	10.2
1167763	4/1/2016	Planned Outage	17.5	2	8.8
1167766	4/1/2016	Planned Outage	12.0	1	12.0
1167777	4/1/2016	Planned Outage	503.9	4	126.0
1167804	4/1/2016	Planned Outage	138.7	6	23.1
1168001	4/2/2016	Planned Outage	90.0	3	30.0
1168002	4/2/2016	Planned Outage	29.1	1	29.1
1168003	4/2/2016	Planned Outage	123.5	4	30.9
1168044	4/2/2016	Planned Outage	565.8	3	188.6
1168054	4/2/2016	Planned Outage	50.5	1	50.5
1168068	4/2/2016	Planned Outage	26.4	1	26.4
1168089	4/2/2016	Planned Outage	30.9	1	30.9
1168090	4/2/2016	Planned Outage	149.8	6	25.0
1168097	4/2/2016	Planned Outage	14.8	1	14.8
1168132	4/3/2016	Planned Outage	9.9	1	9.9
1168197	4/4/2016	Planned Outage	1,856.1	7	265.2
1168210	4/4/2016	Planned Outage	97.7	1	97.7
1168212	4/4/2016	Planned Outage	39.8	1	39.8
1168217	4/4/2016	Planned Outage	339.8	3	113.3
1168218	4/4/2016	Planned Outage	432.9	2	216.4
1168221	4/4/2016	Planned Outage	93.3	1	93.3
1168229	4/4/2016	Planned Outage	121.0	1	121.0
1168231	4/4/2016	Planned Outage	82.0	1	82.0
1168232	4/4/2016	Planned Outage	149.3	2	74.6

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2016 Planned Outages Table

1168235	4/4/2016	Planned Outage	74.1	1	74.1
1168236	4/4/2016	Planned Outage	92.5	1	92.5
1168237	4/4/2016	Planned Outage	203.3	1	203.3
1168238	4/4/2016	Planned Outage	90.3	1	90.3
1168239	4/4/2016	Planned Outage	131.0	2	65.5
1168242	4/4/2016	Planned Outage	13.6	2	6.8
1168245	4/4/2016	Planned Outage	265.2	13	20.4
1168248	4/4/2016	Planned Outage	41.0	5	8.2
1168252	4/4/2016	Planned Outage	23.6	1	23.6
1168253	4/4/2016	Planned Outage	286.9	2	143.5
1168258	4/4/2016	Planned Outage	26.2	5	5.2
1168259	4/4/2016	Planned Outage	20.0	4	5.0
1168260	4/4/2016	Planned Outage	8.7	1	8.7
1168261	4/4/2016	Planned Outage	20.1	1	20.1
1168265	4/4/2016	Planned Outage	65.0	1	65.0
1168267	4/4/2016	Planned Outage	107.7	1	107.7
1168268	4/4/2016	Planned Outage	21.6	2	10.8
1168270	4/4/2016	Planned Outage	207.2	4	51.8
1168271	4/4/2016	Planned Outage	180.2	1	180.2
1168275	4/4/2016	Planned Outage	171.5	5	34.3
1168279	4/4/2016	Planned Outage	404.3	16	25.3
1168282	4/4/2016	Planned Outage	564.7	6	94.1
1168284	4/4/2016	Planned Outage	224.7	4	56.2
1168306	4/4/2016	Planned Outage	187.3	3	62.4
1168328	4/5/2016	Planned Outage	39.0	1	39.0
1168329	4/5/2016	Planned Outage	37.5	1	37.5
1168333	4/5/2016	Planned Outage	159.8	2	79.9
1168335	4/5/2016	Planned Outage	67.1	5	13.4
1168336	4/5/2016	Planned Outage	241.0	5	48.2
1168341	4/5/2016	Planned Outage	863.3	7	123.3
1168342	4/5/2016	Planned Outage	576.3	4	144.1
1168343	4/5/2016	Planned Outage	566.0	4	141.5
1168345	4/5/2016	Planned Outage	21.4	1	21.4
1168346	4/5/2016	Planned Outage	144.5	1	144.5
1168347	4/5/2016	Planned Outage	264.5	3	88.2
1168349	4/5/2016	Planned Outage	2,249.0	13	173.0
1168350	4/5/2016	Planned Outage	520.0	3	173.3
1168356	4/5/2016	Planned Outage	141.1	2	70.5
1168357	4/5/2016	Planned Outage	85.0	1	85.0
1168365	4/5/2016	Planned Outage	265.4	7	37.9
1168366	4/5/2016	Planned Outage	1,290.0	9	143.3
1168368	4/5/2016	Planned Outage	61.7	1	61.7
1168371	4/5/2016	Planned Outage	21.4	2	10.7
1168382	4/5/2016	Planned Outage	22.1	1	22.1
1168384	4/5/2016	Planned Outage	8.5	1	8.5
1168387	4/5/2016	Planned Outage	53.4	1	53.4
1168392	4/5/2016	Planned Outage	32.3	1	32.3
1168393	4/5/2016	Planned Outage	76.4	1	76.4
1168397	4/5/2016	Planned Outage	803.8	130	6.2

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2016 Planned Outages Table

1168401	4/5/2016	Planned Outage	879.8	5	176.0
1168903	4/5/2016	Planned Outage	21.6	1	21.6
1168911	4/5/2016	Planned Outage	66.3	1	66.3
1168950	4/6/2016	Planned Outage	186.5	2	93.3
1168960	4/6/2016	Planned Outage	17.7	1	17.7
1168964	4/6/2016	Planned Outage	58.9	1	58.9
1168965	4/6/2016	Planned Outage	434.8	8	54.4
1168967	4/6/2016	Planned Outage	37.2	11	3.4
1168968	4/6/2016	Planned Outage	65.6	2	32.8
1168972	4/6/2016	Planned Outage	14.7	1	14.7
1168973	4/6/2016	Planned Outage	104.3	2	52.2
1168975	4/6/2016	Planned Outage	696.7	10	69.7
1168978	4/6/2016	Planned Outage	1,291.5	4	322.9
1168984	4/6/2016	Planned Outage	1,289.6	13	99.2
1168990	4/6/2016	Planned Outage	1,239.0	3	413.0
1168991	4/6/2016	Planned Outage	862.4	14	61.6
1168998	4/6/2016	Planned Outage	41.9	1	41.9
1168999	4/6/2016	Planned Outage	15.8	1	15.8
1169002	4/6/2016	Planned Outage	569.7	1	569.7
1169004	4/6/2016	Planned Outage	53.3	3	17.8
1169006	4/6/2016	Planned Outage	117.7	3	39.2
1169007	4/6/2016	Planned Outage	150.1	1	150.1
1169011	4/6/2016	Planned Outage	66.0	1	66.0
1169013	4/6/2016	Planned Outage	15.5	9	1.7
1169016	4/6/2016	Planned Outage	750.8	4	187.7
1169017	4/6/2016	Planned Outage	191.0	1	191.0
1169019	4/6/2016	Planned Outage	181.5	1	181.5
1169020	4/6/2016	Planned Outage	1,486.5	22	67.6
1169022	4/6/2016	Planned Outage	198.5	3	66.2
1169023	4/6/2016	Planned Outage	4,192.0	64	65.5
1169030	4/6/2016	Planned Outage	30.0	1	30.0
1169033	4/6/2016	Planned Outage	196.6	3	65.5
1169034	4/6/2016	Planned Outage	428.5	15	28.6
1169051	4/6/2016	Planned Outage	136.4	11	12.4
1169056	4/6/2016	Planned Outage	4.5	1	4.5
1169062	4/6/2016	Planned Outage	19.8	1	19.8
1169283	4/6/2016	Planned Outage	35.2	4	8.8
1169308	4/7/2016	Planned Outage	22.8	1	22.8
1169310	4/7/2016	Planned Outage	149.5	4	37.4
1169312	4/7/2016	Planned Outage	466.2	4	116.6
1169315	4/7/2016	Planned Outage	16.6	1	16.6
1169321	4/7/2016	Planned Outage	293.7	4	73.4
1169325	4/7/2016	Planned Outage	38.9	3	13.0
1169326	4/7/2016	Planned Outage	162.4	3	54.1
1169327	4/7/2016	Planned Outage	476.1	7	68.0
1169329	4/7/2016	Planned Outage	490.8	25	19.6
1169342	4/7/2016	Planned Outage	118.5	14	8.5
1169351	4/7/2016	Planned Outage	10.5	1	10.5
1169352	4/7/2016	Planned Outage	135.2	4	33.8

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2016 Planned Outages Table

1169356	4/7/2016	Planned Outage	68.4	1	68.4
1169357	4/7/2016	Planned Outage	111.3	5	22.3
1169363	4/7/2016	Planned Outage	419.6	6	69.9
1169371	4/7/2016	Planned Outage	107.7	2	53.8
1169384	4/7/2016	Planned Outage	102.7	10	10.3
1169388	4/7/2016	Planned Outage	117.5	2	58.8
1169395	4/7/2016	Planned Outage	44.9	3	15.0
1169404	4/7/2016	Planned Outage	54.3	4	13.6
1169410	4/7/2016	Planned Outage	36.8	6	6.1
1169411	4/7/2016	Planned Outage	92.1	4	23.0
1169429	4/7/2016	Planned Outage	53.3	1	53.3
1169447	4/8/2016	Planned Outage	120.1	4	30.0
1169451	4/8/2016	Planned Outage	164.5	3	54.8
1169453	4/8/2016	Planned Outage	27.3	1	27.3
1169458	4/8/2016	Planned Outage	42.6	1	42.6
1169460	4/8/2016	Planned Outage	30.3	1	30.3
1169465	4/8/2016	Planned Outage	1,728.4	38	45.5
1169467	4/8/2016	Planned Outage	38.9	3	13.0
1169468	4/8/2016	Planned Outage	45.5	1	45.5
1169473	4/8/2016	Planned Outage	449.3	7	64.2
1169480	4/8/2016	Planned Outage	267.3	1	267.3
1169481	4/8/2016	Planned Outage	67.7	2	33.9
1169483	4/8/2016	Planned Outage	56.5	1	56.5
1169484	4/8/2016	Planned Outage	17.0	2	8.5
1169485	4/8/2016	Planned Outage	849.1	7	121.3
1169486	4/8/2016	Planned Outage	121.2	1	121.2
1169487	4/8/2016	Planned Outage	18.5	1	18.5
1169488	4/8/2016	Planned Outage	120.6	1	120.6
1169489	4/8/2016	Planned Outage	1,802.5	8	225.3
1169491	4/8/2016	Planned Outage	23.2	2	11.6
1169492	4/8/2016	Planned Outage	537.2	10	53.7
1169493	4/8/2016	Planned Outage	86.5	4	21.6
1169494	4/8/2016	Planned Outage	13.6	2	6.8
1169499	4/8/2016	Planned Outage	56.8	1	56.8
1169503	4/8/2016	Planned Outage	174.9	1	174.9
1169505	4/8/2016	Planned Outage	17.8	1	17.8
1169522	4/8/2016	Planned Outage	22.5	2	11.3
1169556	4/8/2016	Planned Outage	171.8	1	171.8
1169567	4/8/2016	Planned Outage	74.0	1	74.0
1169632	4/9/2016	Planned Outage	16.6	1	16.6
1169681	4/10/2016	Planned Outage	52.4	1	52.4
1169695	4/10/2016	Planned Outage	1,143.0	3	381.0
1169696	4/10/2016	Planned Outage	380.9	1	380.9
1169703	4/10/2016	Planned Outage	1,489.7	6	248.3
1169706	4/10/2016	Planned Outage	497.9	2	248.9
1169707	4/10/2016	Planned Outage	245.6	1	245.6
1169743	4/11/2016	Planned Outage	77.0	1	77.0
1169749	4/11/2016	Planned Outage	314.1	2	157.1
1169753	4/11/2016	Planned Outage	41.2	1	41.2

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2016 Planned Outages Table

1169755	4/11/2016	Planned Outage	54.4	2	27.2
1169757	4/11/2016	Planned Outage	163.1	2	81.5
1169759	4/11/2016	Planned Outage	44.9	1	44.9
1169761	4/11/2016	Planned Outage	70.7	4	17.7
1169762	4/11/2016	Planned Outage	672.6	7	96.1
1169765	4/11/2016	Planned Outage	54.6	3	18.2
1169766	4/11/2016	Planned Outage	1,151.2	6	191.9
1169775	4/11/2016	Planned Outage	239.7	6	40.0
1169776	4/11/2016	Planned Outage	38.3	1	38.3
1169783	4/11/2016	Planned Outage	45.5	1	45.5
1169793	4/11/2016	Planned Outage	96.0	1	96.0
1169794	4/11/2016	Planned Outage	17.9	1	17.9
1169799	4/11/2016	Planned Outage	626.8	10	62.7
1169800	4/11/2016	Planned Outage	3,402.9	54	63.0
1169801	4/11/2016	Planned Outage	1,127.0	19	59.3
1169803	4/11/2016	Planned Outage	111.1	3	37.0
1169806	4/11/2016	Planned Outage	836.8	6	139.5
1169889	4/12/2016	Planned Outage	84.4	2	42.2
1169891	4/12/2016	Planned Outage	18.5	1	18.5
1169893	4/12/2016	Planned Outage	455.9	4	114.0
1169894	4/12/2016	Planned Outage	17.7	1	17.7
1169898	4/12/2016	Planned Outage	103.7	5	20.7
1169900	4/12/2016	Planned Outage	24.4	2	12.2
1169901	4/12/2016	Planned Outage	861.4	12	71.8
1169903	4/12/2016	Planned Outage	2.9	1	2.9
1169906	4/12/2016	Planned Outage	20.0	1	20.0
1169910	4/12/2016	Planned Outage	49.1	4	12.3
1169911	4/12/2016	Planned Outage	203.3	4	50.8
1169918	4/12/2016	Planned Outage	26.7	1	26.7
1169919	4/12/2016	Planned Outage	13.0	1	13.0
1169921	4/12/2016	Planned Outage	21.6	1	21.6
1169926	4/12/2016	Planned Outage	65.7	1	65.7
1169927	4/12/2016	Planned Outage	483.1	4	120.8
1169930	4/12/2016	Planned Outage	23.2	1	23.2
1169938	4/12/2016	Planned Outage	90.3	2	45.2
1169940	4/12/2016	Planned Outage	21.2	1	21.2
1169943	4/12/2016	Planned Outage	750.5	4	187.6
1169951	4/12/2016	Planned Outage	130.1	3	43.4
1169956	4/12/2016	Planned Outage	3.6	1	3.6
1169965	4/12/2016	Planned Outage	377.1	4	94.3
1169968	4/12/2016	Planned Outage	158.9	6	26.5
1170044	4/13/2016	Planned Outage	96.9	1	96.9
1170049	4/13/2016	Planned Outage	426.1	4	106.5
1170055	4/13/2016	Planned Outage	184.2	2	92.1
1170065	4/13/2016	Planned Outage	1,056.3	25	42.3
1170068	4/13/2016	Planned Outage	38.6	1	38.6
1170069	4/13/2016	Planned Outage	17.1	1	17.1
1170071	4/13/2016	Planned Outage	28.0	4	7.0
1170072	4/13/2016	Planned Outage	5.0	1	5.0

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2016 Planned Outages Table

1170129	4/13/2016	Planned Outage	235.1	4	58.8
1170133	4/13/2016	Planned Outage	24.6	1	24.6
1170135	4/13/2016	Planned Outage	35.6	1	35.6
1170167	4/13/2016	Planned Outage	206.6	9	23.0
1170168	4/13/2016	Planned Outage	22.7	1	22.7
1170183	4/13/2016	Planned Outage	1,327.7	14	94.8
1170184	4/13/2016	Planned Outage	5,158.4	78	66.1
1170204	4/14/2016	Planned Outage	683.9	6	114.0
1170211	4/14/2016	Planned Outage	40.4	1	40.4
1170222	4/14/2016	Planned Outage	38.9	1	38.9
1170224	4/14/2016	Planned Outage	89.5	2	44.8
1170232	4/14/2016	Planned Outage	12.9	1	12.9
1170278	4/14/2016	Planned Outage	120.5	6	20.1
1170324	4/14/2016	Planned Outage	79.7	4	19.9
1170350	4/15/2016	Planned Outage	164.8	2	82.4
1170351	4/15/2016	Planned Outage	135.3	7	19.3
1170352	4/15/2016	Planned Outage	19.6	1	19.6
1170355	4/15/2016	Planned Outage	169.7	3	56.6
1170359	4/15/2016	Planned Outage	120.0	5	24.0
1170361	4/15/2016	Planned Outage	21.4	1	21.4
1170362	4/15/2016	Planned Outage	1,689.6	8	211.2
1170363	4/15/2016	Planned Outage	69.2	10	6.9
1170366	4/15/2016	Planned Outage	235.2	5	47.0
1170368	4/15/2016	Planned Outage	87.3	5	17.5
1170369	4/15/2016	Planned Outage	40.7	1	40.7
1170373	4/15/2016	Planned Outage	11.7	2	5.9
1170376	4/15/2016	Planned Outage	679.5	5	135.9
1170378	4/15/2016	Planned Outage	2,161.0	33	65.5
1170382	4/15/2016	Planned Outage	122.3	2	61.1
1170398	4/15/2016	Planned Outage	31.1	1	31.1
1170418	4/15/2016	Planned Outage	82.6	1	82.6
1170420	4/15/2016	Planned Outage	41.6	4	10.4
1170433	4/15/2016	Planned Outage	2,350.0	5	470.0
1170478	4/16/2016	Planned Outage	19.7	1	19.7
1170502	4/16/2016	Planned Outage	33.4	1	33.4
1170503	4/16/2016	Planned Outage	33.6	1	33.6
1170600	4/18/2016	Planned Outage	81.1	1	81.1
1170607	4/18/2016	Planned Outage	106.5	2	53.3
1170611	4/18/2016	Planned Outage	466.6	11	42.4
1170614	4/18/2016	Planned Outage	25.0	1	25.0
1170620	4/18/2016	Planned Outage	69.7	2	34.9
1170621	4/18/2016	Planned Outage	5,755.0	82	70.2
1170635	4/18/2016	Planned Outage	33.4	2	16.7
1170640	4/18/2016	Planned Outage	1,235.3	33	37.4
1170642	4/18/2016	Planned Outage	36.4	1	36.4
1170643	4/18/2016	Planned Outage	384.7	3	128.2
1170647	4/18/2016	Planned Outage	175.9	4	44.0
1170649	4/18/2016	Planned Outage	3.0	1	3.0
1170650	4/18/2016	Planned Outage	91.0	3	30.3

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2016 Planned Outages Table

1170651	4/18/2016	Planned Outage	91.7	4	22.9
1170654	4/18/2016	Planned Outage	14.7	1	14.7
1170656	4/18/2016	Planned Outage	217.7	20	10.9
1170660	4/18/2016	Planned Outage	28.9	1	28.9
1170666	4/18/2016	Planned Outage	4.1	1	4.1
1170675	4/18/2016	Planned Outage	34.9	1	34.9
1170678	4/18/2016	Planned Outage	40.6	1	40.6
1170679	4/18/2016	Planned Outage	79.0	1	79.0
1170681	4/18/2016	Planned Outage	345.9	3	115.3
1170692	4/18/2016	Planned Outage	17.3	1	17.3
1170698	4/18/2016	Planned Outage	867.7	4	216.9
1170699	4/18/2016	Planned Outage	215.5	1	215.5
1170722	4/18/2016	Planned Outage	89.4	1	89.4
1170729	4/18/2016	Planned Outage	14.6	1	14.6
1170744	4/19/2016	Planned Outage	85.4	2	42.7
1170751	4/19/2016	Planned Outage	9.0	1	9.0
1170753	4/19/2016	Planned Outage	19.7	1	19.7
1170759	4/19/2016	Planned Outage	319.6	6	53.3
1170769	4/19/2016	Planned Outage	149.5	1	149.5
1170770	4/19/2016	Planned Outage	56.3	3	18.8
1170774	4/19/2016	Planned Outage	885.0	3	295.0
1170779	4/19/2016	Planned Outage	217.0	2	108.5
1170781	4/19/2016	Planned Outage	1,051.6	6	175.3
1170787	4/19/2016	Planned Outage	177.6	1	177.6
1170795	4/19/2016	Planned Outage	29.8	1	29.8
1170801	4/19/2016	Planned Outage	540.8	9	60.1
1170803	4/19/2016	Planned Outage	14.6	3	4.9
1170805	4/19/2016	Planned Outage	73.0	1	73.0
1170813	4/19/2016	Planned Outage	51.5	1	51.5
1170824	4/19/2016	Planned Outage	92.0	3	30.7
1170829	4/19/2016	Planned Outage	1,865.9	21	88.9
1170866	4/20/2016	Planned Outage	527.9	4	132.0
1170867	4/20/2016	Planned Outage	819.9	6	136.7
1170885	4/20/2016	Planned Outage	11.7	1	11.7
1170886	4/20/2016	Planned Outage	342.8	5	68.6
1170887	4/20/2016	Planned Outage	144.6	4	36.2
1170892	4/20/2016	Planned Outage	91.7	1	91.7
1170893	4/20/2016	Planned Outage	39.4	1	39.4
1170894	4/20/2016	Planned Outage	746.9	22	34.0
1170896	4/20/2016	Planned Outage	251.4	2	125.7
1170902	4/20/2016	Planned Outage	182.1	3	60.7
1170904	4/20/2016	Planned Outage	342.2	1	342.2
1170907	4/20/2016	Planned Outage	59.7	2	29.9
1170908	4/20/2016	Planned Outage	588.1	3	196.0
1170913	4/20/2016	Planned Outage	209.6	4	52.4
1170916	4/20/2016	Planned Outage	38.1	1	38.1
1170917	4/20/2016	Planned Outage	240.2	2	120.1
1170922	4/20/2016	Planned Outage	274.1	4	68.5
1170927	4/20/2016	Planned Outage	35.6	1	35.6

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2016 Planned Outages Table

1170929	4/20/2016	Planned Outage	7.8	1	7.8
1170933	4/20/2016	Planned Outage	65.8	1	65.8
1170934	4/20/2016	Planned Outage	207.4	5	41.5
1170936	4/20/2016	Planned Outage	33.4	1	33.4
1170941	4/20/2016	Planned Outage	275.2	2	137.6
1170942	4/20/2016	Planned Outage	115.8	1	115.8
1170947	4/20/2016	Planned Outage	358.2	6	59.7
1170956	4/20/2016	Planned Outage	25.2	1	25.2
1170982	4/21/2016	Planned Outage	1,295.6	12	108.0
1171018	4/21/2016	Planned Outage	382.0	3	127.3
1171019	4/21/2016	Planned Outage	128.7	1	128.7
1171020	4/21/2016	Planned Outage	206.4	1	206.4
1171031	4/21/2016	Planned Outage	180.6	3	60.2
1171033	4/21/2016	Planned Outage	692.0	12	57.7
1171036	4/21/2016	Planned Outage	512.8	3	170.9
1171039	4/21/2016	Planned Outage	68.2	1	68.2
1171040	4/21/2016	Planned Outage	1,200.1	22	54.6
1171046	4/21/2016	Planned Outage	130.7	2	65.4
1171047	4/21/2016	Planned Outage	1,038.0	6	173.0
1171049	4/21/2016	Planned Outage	78.9	4	19.7
1171061	4/21/2016	Planned Outage	126.5	4	31.6
1171080	4/21/2016	Planned Outage	14.8	3	4.9
1171093	4/21/2016	Planned Outage	129.4	4	32.4
1171095	4/21/2016	Planned Outage	308.5	6	51.4
1171214	4/22/2016	Planned Outage	111.3	10	11.1
1171224	4/22/2016	Planned Outage	342.7	4	85.7
1171235	4/22/2016	Planned Outage	126.1	1	126.1
1171254	4/22/2016	Planned Outage	85.7	10	8.6
1171258	4/22/2016	Planned Outage	104.6	1	104.6
1171263	4/22/2016	Planned Outage	197.7	6	33.0
1171268	4/22/2016	Planned Outage	110.0	5	22.0
1171296	4/22/2016	Planned Outage	79.9	1	79.9
1171304	4/22/2016	Planned Outage	63.1	1	63.1
1171340	4/22/2016	Planned Outage	11.6	1	11.6
1171401	4/23/2016	Planned Outage	32.6	1	32.6
1171427	4/23/2016	Planned Outage	42.5	1	42.5
1171446	4/23/2016	Planned Outage	53.9	1	53.9
1171628	4/25/2016	Planned Outage	261.8	4	65.5
1171629	4/25/2016	Planned Outage	1,119.4	12	93.3
1171631	4/25/2016	Planned Outage	30.0	1	30.0
1171634	4/25/2016	Planned Outage	114.4	1	114.4
1171635	4/25/2016	Planned Outage	36.1	1	36.1
1171647	4/25/2016	Planned Outage	48.4	1	48.4
1171653	4/25/2016	Planned Outage	144.6	1	144.6
1171655	4/25/2016	Planned Outage	25.4	1	25.4
1171658	4/25/2016	Planned Outage	1,087.3	5	217.5
1171661	4/25/2016	Planned Outage	128.7	3	42.9
1171662	4/25/2016	Planned Outage	59.5	1	59.5
1171675	4/25/2016	Planned Outage	199.7	5	39.9

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2016 Planned Outages Table

1171676	4/25/2016	Planned Outage	38.7	1	38.7
1171680	4/25/2016	Planned Outage	16.3	1	16.3
1171684	4/25/2016	Planned Outage	162.3	4	40.6
1171686	4/25/2016	Planned Outage	252.1	1	252.1
1171689	4/25/2016	Planned Outage	563.3	4	140.8
1171695	4/25/2016	Planned Outage	33.6	1	33.6
1171742	4/26/2016	Planned Outage	533.0	3	177.7
1171746	4/26/2016	Planned Outage	46.9	1	46.9
1171749	4/26/2016	Planned Outage	1,181.7	10	118.2
1171752	4/26/2016	Planned Outage	233.8	2	116.9
1171754	4/26/2016	Planned Outage	212.7	4	53.2
1171755	4/26/2016	Planned Outage	86.0	2	43.0
1171756	4/26/2016	Planned Outage	414.6	4	103.7
1171764	4/26/2016	Planned Outage	107.8	5	21.6
1171765	4/26/2016	Planned Outage	267.5	8	33.4
1171767	4/26/2016	Planned Outage	294.1	5	58.8
1171769	4/26/2016	Planned Outage	1,018.6	4	254.7
1171771	4/26/2016	Planned Outage	1,355.4	9	150.6
1171774	4/26/2016	Planned Outage	413.6	7	59.1
1171775	4/26/2016	Planned Outage	40.1	1	40.1
1171776	4/26/2016	Planned Outage	47.8	1	47.8
1171784	4/26/2016	Planned Outage	304.1	4	76.0
1171790	4/26/2016	Planned Outage	214.7	4	53.7
1171793	4/26/2016	Planned Outage	1,034.4	36	28.7
1171800	4/26/2016	Planned Outage	191.1	4	47.8
1171802	4/26/2016	Planned Outage	337.3	6	56.2
1171804	4/26/2016	Planned Outage	16.0	1	16.0
1171806	4/26/2016	Planned Outage	136.1	4	34.0
1171808	4/26/2016	Planned Outage	138.4	2	69.2
1171809	4/26/2016	Planned Outage	585.0	5	117.0
1171818	4/26/2016	Planned Outage	166.7	2	83.3
1171819	4/26/2016	Planned Outage	4,130.0	35	118.0
1171820	4/26/2016	Planned Outage	64.7	5	12.9
1171839	4/27/2016	Planned Outage	96.5	1	96.5
1171847	4/27/2016	Planned Outage	605.5	4	151.4
1171848	4/27/2016	Planned Outage	1,050.0	25	42.0
1171849	4/27/2016	Planned Outage	20.1	1	20.1
1171855	4/27/2016	Planned Outage	126.2	6	21.0
1171856	4/27/2016	Planned Outage	20,011.5	124	161.4
1171865	4/27/2016	Planned Outage	160.5	4	40.1
1171866	4/27/2016	Planned Outage	13.5	1	13.5
1171867	4/27/2016	Planned Outage	103.2	1	103.2
1171871	4/27/2016	Planned Outage	148.2	1	148.2
1171875	4/27/2016	Planned Outage	583.3	1	583.3
1171876	4/27/2016	Planned Outage	77.0	7	11.0
1171880	4/27/2016	Planned Outage	78.7	3	26.2
1171884	4/27/2016	Planned Outage	9.2	1	9.2
1171885	4/27/2016	Planned Outage	68.7	4	17.2
1171893	4/27/2016	Planned Outage	44.9	1	44.9

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2016 Planned Outages Table

1171894	4/27/2016	Planned Outage	361.8	12	30.2
1171912	4/27/2016	Planned Outage	162.4	21	7.7
1171919	4/27/2016	Planned Outage	233.1	2	116.6
1171932	4/27/2016	Planned Outage	12.9	1	12.9
1171977	4/28/2016	Planned Outage	295.7	4	73.9
1171981	4/28/2016	Planned Outage	68.7	2	34.4
1171983	4/28/2016	Planned Outage	89.6	1	89.6
1171984	4/28/2016	Planned Outage	31.5	1	31.5
1171992	4/28/2016	Planned Outage	1,919.2	24	80.0
1171993	4/28/2016	Planned Outage	256.7	4	64.2
1172005	4/28/2016	Planned Outage	833.0	5	166.6
1172017	4/28/2016	Planned Outage	99.3	2	49.7
1172097	4/28/2016	Planned Outage	6.4	1	6.4
1172111	4/29/2016	Planned Outage	1,336.0	4	334.0
1172124	4/29/2016	Planned Outage	87.5	2	43.8
1172125	4/29/2016	Planned Outage	82.0	1	82.0
1172127	4/29/2016	Planned Outage	163.5	2	81.7
1172130	4/29/2016	Planned Outage	330.2	1	330.2
1172131	4/29/2016	Planned Outage	499.7	3	166.6
1172136	4/29/2016	Planned Outage	173.6	4	43.4
1172139	4/29/2016	Planned Outage	522.2	3	174.1
1172143	4/29/2016	Planned Outage	296.3	9	32.9
1172144	4/29/2016	Planned Outage	85.8	2	42.9
1172151	4/29/2016	Planned Outage	43.8	1	43.8
1172153	4/29/2016	Planned Outage	32.5	1	32.5
1172175	4/29/2016	Planned Outage	53.9	2	26.9
1172176	4/29/2016	Planned Outage	250.5	4	62.6
1172214	4/29/2016	Planned Outage	14,618.3	89	164.3
1172343	4/29/2016	Planned Outage	106.6	12	8.9
1172344	4/29/2016	Planned Outage	185.1	6	30.9
1172389	4/30/2016	Planned Outage	54.1	1	54.1
1172390	4/30/2016	Planned Outage	53.9	1	53.9
1172391	4/30/2016	Planned Outage	107.9	2	54.0
1172392	4/30/2016	Planned Outage	53.1	1	53.1
1172404	4/30/2016	Planned Outage	2.5	1	2.5
1172441	4/30/2016	Planned Outage	38.1	1	38.1
1172502	5/1/2016	Planned Outage	89.5	2	44.7
1172529	5/1/2016	Planned Outage	42.8	2	21.4
1172533	5/1/2016	Planned Outage	23.9	4	6.0
1172540	5/2/2016	Planned Outage	125.0	2	62.5
1172559	5/2/2016	Planned Outage	725.4	12	60.5
1172565	5/2/2016	Planned Outage	4,600.4	58	79.3
1172571	5/2/2016	Planned Outage	153.1	2	76.5
1172572	5/2/2016	Planned Outage	119.6	2	59.8
1172573	5/2/2016	Planned Outage	67.7	1	67.7
1172574	5/2/2016	Planned Outage	68.0	1	68.0
1172579	5/2/2016	Planned Outage	35.0	1	35.0
1172583	5/2/2016	Planned Outage	701.5	4	175.4
1172584	5/2/2016	Planned Outage	8.6	1	8.6

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2016 Planned Outages Table

1172589	5/2/2016	Planned Outage	517.9	4	129.5
1172593	5/2/2016	Planned Outage	200.1	5	40.0
1172594	5/2/2016	Planned Outage	23.7	1	23.7
1172598	5/2/2016	Planned Outage	172.5	4	43.1
1172599	5/2/2016	Planned Outage	44.0	1	44.0
1172601	5/2/2016	Planned Outage	24.9	1	24.9
1172602	5/2/2016	Planned Outage	17.0	1	17.0
1172622	5/2/2016	Planned Outage	214.9	4	53.7
1172623	5/2/2016	Planned Outage	22.9	1	22.9
1172630	5/2/2016	Planned Outage	333.2	6	55.5
1172633	5/2/2016	Planned Outage	322.1	5	64.4
1172689	5/3/2016	Planned Outage	372.1	1	372.1
1172695	5/3/2016	Planned Outage	260.4	8	32.6
1172696	5/3/2016	Planned Outage	395.7	2	197.9
1172700	5/3/2016	Planned Outage	132.3	3	44.1
1172701	5/3/2016	Planned Outage	75.7	1	75.7
1172703	5/3/2016	Planned Outage	83.5	1	83.5
1172707	5/3/2016	Planned Outage	238.1	4	59.5
1172715	5/3/2016	Planned Outage	95.1	1	95.1
1172717	5/3/2016	Planned Outage	5.4	1	5.4
1172718	5/3/2016	Planned Outage	802.7	4	200.7
1172719	5/3/2016	Planned Outage	34.0	1	34.0
1172726	5/3/2016	Planned Outage	140.9	1	140.9
1172735	5/3/2016	Planned Outage	21.4	1	21.4
1172739	5/3/2016	Planned Outage	76.8	1	76.8
1172741	5/3/2016	Planned Outage	16.2	1	16.2
1172745	5/3/2016	Planned Outage	127.7	4	31.9
1172752	5/3/2016	Planned Outage	74.6	3	24.9
1172756	5/3/2016	Planned Outage	118.4	2	59.2
1172760	5/3/2016	Planned Outage	12.2	1	12.2
1172790	5/3/2016	Planned Outage	185.8	1	185.8
1172827	5/3/2016	Planned Outage	16.2	1	16.2
1172858	5/4/2016	Planned Outage	24.0	3	8.0
1172859	5/4/2016	Planned Outage	12.0	1	12.0
1172863	5/4/2016	Planned Outage	369.5	5	73.9
1172867	5/4/2016	Planned Outage	33.7	3	11.2
1172868	5/4/2016	Planned Outage	11.0	1	11.0
1172885	5/4/2016	Planned Outage	13,918.8	51	272.9
1172898	5/4/2016	Planned Outage	195.0	3	65.0
1172911	5/4/2016	Planned Outage	650.9	26	25.0
1172917	5/4/2016	Planned Outage	194.0	1	194.0
1172918	5/4/2016	Planned Outage	194.0	1	194.0
1172945	5/4/2016	Planned Outage	30.1	6	5.0
1172946	5/4/2016	Planned Outage	69.5	1	69.5
1172951	5/4/2016	Planned Outage	13.3	1	13.3
1172952	5/4/2016	Planned Outage	116.0	1	116.0
1172957	5/4/2016	Planned Outage	33.8	2	16.9
1172958	5/4/2016	Planned Outage	446.6	2	223.3
1172961	5/4/2016	Planned Outage	4,897.2	84	58.3

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2016 Planned Outages Table

1172968	5/4/2016	Planned Outage	478.2	4	119.6
1172973	5/4/2016	Planned Outage	144.9	7	20.7
1172995	5/4/2016	Planned Outage	55.1	4	13.8
1172996	5/4/2016	Planned Outage	17.2	1	17.2
1173006	5/4/2016	Planned Outage	86.6	1	86.6
1173023	5/4/2016	Planned Outage	408.5	4	102.1
1173036	5/4/2016	Planned Outage	32.6	1	32.6
1173042	5/4/2016	Planned Outage	83.8	3	27.9
1173050	5/5/2016	Planned Outage	89.8	1	89.8
1173058	5/5/2016	Planned Outage	27.3	1	27.3
1173071	5/5/2016	Planned Outage	287.7	10	28.8
1173086	5/5/2016	Planned Outage	17.5	1	17.5
1173090	5/5/2016	Planned Outage	29.8	1	29.8
1173093	5/5/2016	Planned Outage	96.0	4	24.0
1173094	5/5/2016	Planned Outage	98.4	1	98.4
1173101	5/5/2016	Planned Outage	142.8	2	71.4
1173103	5/5/2016	Planned Outage	204.0	1	204.0
1173106	5/5/2016	Planned Outage	432.6	3	144.2
1173112	5/5/2016	Planned Outage	131.1	4	32.8
1173117	5/5/2016	Planned Outage	23.5	1	23.5
1173119	5/5/2016	Planned Outage	33.9	1	33.9
1173123	5/5/2016	Planned Outage	3,495.2	51	68.5
1173127	5/5/2016	Planned Outage	273.8	4	68.5
1173134	5/5/2016	Planned Outage	42.7	2	21.4
1173136	5/5/2016	Planned Outage	7.6	1	7.6
1173142	5/5/2016	Planned Outage	441.4	12	36.8
1173147	5/5/2016	Planned Outage	266.5	5	53.3
1173156	5/5/2016	Planned Outage	198.5	3	66.2
1173158	5/5/2016	Planned Outage	115.1	8	14.4
1173159	5/5/2016	Planned Outage	30.8	1	30.8
1173174	5/5/2016	Planned Outage	756.4	5	151.3
1173210	5/6/2016	Planned Outage	296.7	4	74.2
1173212	5/6/2016	Planned Outage	505.6	5	101.1
1173219	5/6/2016	Planned Outage	21.2	1	21.2
1173223	5/6/2016	Planned Outage	1,394.1	4	348.5
1173224	5/6/2016	Planned Outage	455.7	3	151.9
1173229	5/6/2016	Planned Outage	106.6	1	106.6
1173230	5/6/2016	Planned Outage	169.1	2	84.6
1173231	5/6/2016	Planned Outage	24.7	1	24.7
1173236	5/6/2016	Planned Outage	214.3	5	42.9
1173241	5/6/2016	Planned Outage	129.7	2	64.8
1173242	5/6/2016	Planned Outage	57.5	2	28.8
1173243	5/6/2016	Planned Outage	95.9	1	95.9
1173248	5/6/2016	Planned Outage	1,428.4	12	119.0
1173259	5/6/2016	Planned Outage	24.4	1	24.4
1173260	5/6/2016	Planned Outage	411.0	9	45.7
1173262	5/6/2016	Planned Outage	140.9	6	23.5
1173265	5/6/2016	Planned Outage	85.9	1	85.9
1173268	5/6/2016	Planned Outage	874.1	5	174.8

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2016 Planned Outages Table

1173269	5/6/2016	Planned Outage	132.2	5	26.4
1173274	5/6/2016	Planned Outage	290.1	2	145.0
1173277	5/6/2016	Planned Outage	33.2	1	33.2
1173371	5/7/2016	Planned Outage	262.0	1	262.0
1173564	5/8/2016	Planned Outage	12.2	1	12.2
1173576	5/8/2016	Planned Outage	99.8	2	49.9
1173622	5/9/2016	Planned Outage	449.6	3	149.9
1173623	5/9/2016	Planned Outage	468.5	1	468.5
1173627	5/9/2016	Planned Outage	324.7	2	162.3
1173629	5/9/2016	Planned Outage	158.3	2	79.1
1173633	5/9/2016	Planned Outage	73.7	2	36.9
1173634	5/9/2016	Planned Outage	163.8	117	1.4
1173641	5/9/2016	Planned Outage	170.8	2	85.4
1173647	5/9/2016	Planned Outage	83.3	25	3.3
1173658	5/9/2016	Planned Outage	68.5	2	34.3
1173659	5/9/2016	Planned Outage	173.8	3	57.9
1173669	5/9/2016	Planned Outage	1,345.7	9	149.5
1173679	5/9/2016	Planned Outage	338.5	4	84.6
1173680	5/9/2016	Planned Outage	97.9	4	24.5
1173682	5/9/2016	Planned Outage	166.2	5	33.2
1173683	5/9/2016	Planned Outage	13.0	1	13.0
1173684	5/9/2016	Planned Outage	175.8	3	58.6
1173691	5/9/2016	Planned Outage	96.1	1	96.1
1173697	5/9/2016	Planned Outage	13,959.0	141	99.0
1173710	5/9/2016	Planned Outage	342.3	2	171.2
1173769	5/10/2016	Planned Outage	670.8	5	134.2
1173857	5/10/2016	Planned Outage	1,007.1	33	30.5
1173865	5/10/2016	Planned Outage	52.1	1	52.1
1173867	5/10/2016	Planned Outage	97.8	3	32.6
1173871	5/10/2016	Planned Outage	775.8	19	40.8
1173881	5/10/2016	Planned Outage	70.1	3	23.4
1173882	5/10/2016	Planned Outage	24.0	1	24.0
1173889	5/10/2016	Planned Outage	227.3	3	75.8
1173901	5/10/2016	Planned Outage	26.9	2	13.4
1173902	5/10/2016	Planned Outage	94.3	1	94.3
1173903	5/10/2016	Planned Outage	93.6	1	93.6
1173908	5/10/2016	Planned Outage	57.9	1	57.9
1173929	5/10/2016	Planned Outage	55.5	8	6.9
1173948	5/10/2016	Planned Outage	63.2	4	15.8
1173957	5/10/2016	Planned Outage	142.4	5	28.5
1173977	5/11/2016	Planned Outage	3,346.7	10	334.7
1174000	5/11/2016	Planned Outage	119.9	4	30.0
1174001	5/11/2016	Planned Outage	296.8	3	98.9
1174003	5/11/2016	Planned Outage	23.1	2	11.6
1174006	5/11/2016	Planned Outage	9,041.3	69	131.0
1174009	5/11/2016	Planned Outage	1,644.4	12	137.0
1174010	5/11/2016	Planned Outage	2,183.9	23	95.0
1174014	5/11/2016	Planned Outage	180.4	2	90.2
1174016	5/11/2016	Planned Outage	280.7	4	70.2

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2016 Planned Outages Table

1174022	5/11/2016	Planned Outage	65.1	4	16.3
1174029	5/11/2016	Planned Outage	13.3	1	13.3
1174034	5/11/2016	Planned Outage	38.4	1	38.4
1174035	5/11/2016	Planned Outage	38.4	1	38.4
1174043	5/11/2016	Planned Outage	158.7	3	52.9
1174048	5/11/2016	Planned Outage	78.4	1	78.4
1174050	5/11/2016	Planned Outage	89.1	4	22.3
1174051	5/11/2016	Planned Outage	131.8	2	65.9
1174052	5/11/2016	Planned Outage	152.5	2	76.3
1174054	5/11/2016	Planned Outage	147.7	4	36.9
1174057	5/11/2016	Planned Outage	152.6	4	38.2
1174061	5/11/2016	Planned Outage	14.5	1	14.5
1174073	5/11/2016	Planned Outage	52.7	7	7.5
1174077	5/11/2016	Planned Outage	33.2	1	33.2
1174089	5/11/2016	Planned Outage	32.2	1	32.2
1174093	5/11/2016	Planned Outage	90.0	3	30.0
1174105	5/12/2016	Planned Outage	4,681.2	18	260.1
1174106	5/12/2016	Planned Outage	335.9	1	335.9
1174125	5/12/2016	Planned Outage	71.3	2	35.6
1174131	5/12/2016	Planned Outage	234.8	3	78.3
1174136	5/12/2016	Planned Outage	750.9	7	107.3
1174138	5/12/2016	Planned Outage	558.2	61	9.2
1174148	5/12/2016	Planned Outage	137.6	3	45.9
1174156	5/12/2016	Planned Outage	173.6	1	173.6
1174157	5/12/2016	Planned Outage	25.3	1	25.3
1174160	5/12/2016	Planned Outage	101.1	2	50.6
1174165	5/12/2016	Planned Outage	246.1	2	123.0
1174168	5/12/2016	Planned Outage	46.1	1	46.1
1174177	5/12/2016	Planned Outage	17.0	1	17.0
1174182	5/12/2016	Planned Outage	72.3	1	72.3
1174190	5/12/2016	Planned Outage	16.0	1	16.0
1174198	5/12/2016	Planned Outage	117.0	5	23.4
1174200	5/12/2016	Planned Outage	49.7	1	49.7
1174206	5/12/2016	Planned Outage	21.2	1	21.2
1174215	5/12/2016	Planned Outage	264.6	5	52.9
1174220	5/12/2016	Planned Outage	162.8	1	162.8
1174264	5/13/2016	Planned Outage	141.6	9	15.7
1174265	5/13/2016	Planned Outage	170.0	1	170.0
1174270	5/13/2016	Planned Outage	62.3	9	6.9
1174272	5/13/2016	Planned Outage	236.6	5	47.3
1174288	5/13/2016	Planned Outage	14.2	1	14.2
1174289	5/13/2016	Planned Outage	28.0	2	14.0
1174292	5/13/2016	Planned Outage	14.1	1	14.1
1174293	5/13/2016	Planned Outage	7.5	1	7.5
1174294	5/13/2016	Planned Outage	46.9	4	11.7
1174299	5/13/2016	Planned Outage	30.5	1	30.5
1174303	5/13/2016	Planned Outage	12.2	1	12.2
1174306	5/13/2016	Planned Outage	11.5	1	11.5
1174307	5/13/2016	Planned Outage	35.4	1	35.4

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2016 Planned Outages Table

1174308	5/13/2016	Planned Outage	7.4	1	7.4
1174314	5/13/2016	Planned Outage	43.6	1	43.6
1174315	5/13/2016	Planned Outage	43.1	1	43.1
1174316	5/13/2016	Planned Outage	5.3	1	5.3
1174318	5/13/2016	Planned Outage	68.0	3	22.7
1174319	5/13/2016	Planned Outage	10.2	1	10.2
1174321	5/13/2016	Planned Outage	84.0	1	84.0
1174322	5/13/2016	Planned Outage	39.0	5	7.8
1174323	5/13/2016	Planned Outage	26.1	1	26.1
1174325	5/13/2016	Planned Outage	19.6	1	19.6
1174326	5/13/2016	Planned Outage	7.8	1	7.8
1174328	5/13/2016	Planned Outage	177.7	1	177.7
1174334	5/13/2016	Planned Outage	22.0	3	7.3
1174336	5/13/2016	Planned Outage	10.1	1	10.1
1174337	5/13/2016	Planned Outage	13.1	1	13.1
1174343	5/13/2016	Planned Outage	75.9	1	75.9
1174431	5/14/2016	Planned Outage	95.8	7	13.7
1174432	5/14/2016	Planned Outage	14.2	1	14.2
1174433	5/14/2016	Planned Outage	89.7	7	12.8
1174590	5/15/2016	Planned Outage	182.4	3	60.8
1174683	5/16/2016	Planned Outage	392.2	3	130.7
1174684	5/16/2016	Planned Outage	70.7	1	70.7
1174686	5/16/2016	Planned Outage	5.6	1	5.6
1174687	5/16/2016	Planned Outage	200.8	1	200.8
1174708	5/16/2016	Planned Outage	4.1	1	4.1
1174709	5/16/2016	Planned Outage	49.7	2	24.9
1174711	5/16/2016	Planned Outage	322.5	30	10.8
1174713	5/16/2016	Planned Outage	137.9	1	137.9
1174715	5/16/2016	Planned Outage	372.1	4	93.0
1174717	5/16/2016	Planned Outage	61.5	4	15.4
1174720	5/16/2016	Planned Outage	23.9	1	23.9
1174732	5/16/2016	Planned Outage	10.1	1	10.1
1174737	5/16/2016	Planned Outage	9.7	1	9.7
1174741	5/16/2016	Planned Outage	351.1	4	87.8
1174747	5/16/2016	Planned Outage	58.2	1	58.2
1174751	5/16/2016	Planned Outage	61.0	1	61.0
1174814	5/17/2016	Planned Outage	455.5	1	455.5
1174816	5/17/2016	Planned Outage	300.6	4	75.2
1174817	5/17/2016	Planned Outage	43.3	2	21.7
1174831	5/17/2016	Planned Outage	168.8	5	33.8
1174832	5/17/2016	Planned Outage	29.0	2	14.5
1174836	5/17/2016	Planned Outage	134.4	1	134.4
1174837	5/17/2016	Planned Outage	577.9	4	144.5
1174838	5/17/2016	Planned Outage	77.5	2	38.8
1174841	5/17/2016	Planned Outage	62.7	3	20.9
1174842	5/17/2016	Planned Outage	17.9	1	17.9
1174843	5/17/2016	Planned Outage	46.3	1	46.3
1174845	5/17/2016	Planned Outage	188.7	3	62.9
1174846	5/17/2016	Planned Outage	34.7	2	17.4

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2016 Planned Outages Table

1174862	5/17/2016	Planned Outage	1,051.5	18	58.4
1174864	5/17/2016	Planned Outage	592.2	10	59.2
1174870	5/17/2016	Planned Outage	404.9	5	81.0
1174890	5/17/2016	Planned Outage	10.5	1	10.5
1174892	5/17/2016	Planned Outage	29.8	1	29.8
1174930	5/18/2016	Planned Outage	6.4	1	6.4
1174937	5/18/2016	Planned Outage	109.8	1	109.8
1174938	5/18/2016	Planned Outage	33.5	4	8.4
1174940	5/18/2016	Planned Outage	103.1	1	103.1
1174941	5/18/2016	Planned Outage	282.0	8	35.3
1174947	5/18/2016	Planned Outage	113.9	4	28.5
1174956	5/18/2016	Planned Outage	150.0	6	25.0
1174958	5/18/2016	Planned Outage	12.2	1	12.2
1174960	5/18/2016	Planned Outage	19.0	1	19.0
1174963	5/18/2016	Planned Outage	26.3	1	26.3
1174965	5/18/2016	Planned Outage	17.4	1	17.4
1174969	5/18/2016	Planned Outage	57.8	3	19.3
1174971	5/18/2016	Planned Outage	265.6	2	132.8
1174975	5/18/2016	Planned Outage	146.4	3	48.8
1174990	5/18/2016	Planned Outage	139.8	1	139.8
1174994	5/18/2016	Planned Outage	269.2	1	269.2
1175034	5/19/2016	Planned Outage	109.0	2	54.5
1175049	5/19/2016	Planned Outage	139.5	3	46.5
1175051	5/19/2016	Planned Outage	89.1	1	89.1
1175052	5/19/2016	Planned Outage	98.6	1	98.6
1175054	5/19/2016	Planned Outage	117.9	1	117.9
1175061	5/19/2016	Planned Outage	27.4	1	27.4
1175062	5/19/2016	Planned Outage	441.3	10	44.1
1175064	5/19/2016	Planned Outage	30.7	1	30.7
1175078	5/19/2016	Planned Outage	571.3	10	57.1
1175079	5/19/2016	Planned Outage	35.5	1	35.5
1175082	5/19/2016	Planned Outage	45.6	3	15.2
1175084	5/19/2016	Planned Outage	1,124.3	34	33.1
1175087	5/19/2016	Planned Outage	30,660.0	210	146.0
1175088	5/19/2016	Planned Outage	182.2	3	60.7
1175097	5/19/2016	Planned Outage	183.8	2	91.9
1175099	5/19/2016	Planned Outage	152.1	1	152.1
1175102	5/19/2016	Planned Outage	126.0	1	126.0
1175139	5/19/2016	Planned Outage	20.0	2	10.0
1175148	5/19/2016	Planned Outage	60.2	1	60.2
1175152	5/19/2016	Planned Outage	43.5	1	43.5
1175169	5/19/2016	Planned Outage	322.4	4	80.6
1175174	5/20/2016	Planned Outage	100.3	4	25.1
1175620	5/20/2016	Planned Outage	19.8	1	19.8
1175681	5/20/2016	Planned Outage	1,907.5	210	9.1
1175735	5/20/2016	Planned Outage	22.8	1	22.8
1175753	5/20/2016	Planned Outage	46.5	1	46.5
1175795	5/20/2016	Planned Outage	65.1	1	65.1
1175889	5/20/2016	Planned Outage	1.1	1	1.1

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2016 Planned Outages Table

1175931	5/21/2016	Planned Outage	14.2	1	14.2
1175963	5/21/2016	Planned Outage	44.3	1	44.3
1176001	5/21/2016	Planned Outage	2,477.7	27	91.8
1176020	5/21/2016	Planned Outage	47.0	1	47.0
1176042	5/21/2016	Planned Outage	23.0	1	23.0
1176059	5/21/2016	Planned Outage	240.0	6	40.0
1176270	5/23/2016	Planned Outage	94.2	10	9.4
1176272	5/23/2016	Planned Outage	87.6	1	87.6
1176274	5/23/2016	Planned Outage	121.0	3	40.3
1176282	5/23/2016	Planned Outage	116.4	4	29.1
1176284	5/23/2016	Planned Outage	36.9	1	36.9
1176290	5/23/2016	Planned Outage	133.5	2	66.8
1176296	5/23/2016	Planned Outage	13,867.0	37	374.8
1176299	5/23/2016	Planned Outage	266.0	7	38.0
1176303	5/23/2016	Planned Outage	231.7	4	57.9
1176304	5/23/2016	Planned Outage	105.5	3	35.2
1176306	5/23/2016	Planned Outage	24.5	1	24.5
1176310	5/23/2016	Planned Outage	265.1	4	66.3
1176313	5/23/2016	Planned Outage	114.3	1	114.3
1176315	5/23/2016	Planned Outage	15.2	1	15.2
1176320	5/23/2016	Planned Outage	71.6	1	71.6
1176324	5/23/2016	Planned Outage	31.8	10	3.2
1176326	5/23/2016	Planned Outage	159.3	4	39.8
1176329	5/23/2016	Planned Outage	4.8	1	4.8
1176333	5/23/2016	Planned Outage	89.9	1	89.9
1176337	5/23/2016	Planned Outage	8.6	1	8.6
1176341	5/23/2016	Planned Outage	203.0	1	203.0
1176344	5/23/2016	Planned Outage	25.6	24	1.1
1176351	5/23/2016	Planned Outage	9.5	1	9.5
1176353	5/23/2016	Planned Outage	1,382.4	24	57.6
1176356	5/23/2016	Planned Outage	315.1	5	63.0
1176363	5/23/2016	Planned Outage	100.7	5	20.1
1176367	5/23/2016	Planned Outage	181.9	1	181.9
1176370	5/23/2016	Planned Outage	262.5	5	52.5
1176373	5/23/2016	Planned Outage	66.6	1	66.6
1176378	5/23/2016	Planned Outage	94.7	1	94.7
1176389	5/23/2016	Planned Outage	1,341.8	45	29.8
1176392	5/23/2016	Planned Outage	621.7	11	56.5
1176428	5/24/2016	Planned Outage	307.1	3	102.4
1176462	5/24/2016	Planned Outage	2.4	1	2.4
1176469	5/24/2016	Planned Outage	133.0	4	33.3
1176473	5/24/2016	Planned Outage	1,986.5	10	198.7
1176480	5/24/2016	Planned Outage	123.8	4	31.0
1176481	5/24/2016	Planned Outage	46.6	1	46.6
1176482	5/24/2016	Planned Outage	328.8	1	328.8
1176483	5/24/2016	Planned Outage	229.2	5	45.8
1176484	5/24/2016	Planned Outage	29.5	4	7.4
1176485	5/24/2016	Planned Outage	6.0	1	6.0
1176486	5/24/2016	Planned Outage	202.2	2	101.1

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2016 Planned Outages Table

1176488	5/24/2016	Planned Outage	344.3	4	86.1
1176490	5/24/2016	Planned Outage	137.7	4	34.4
1176493	5/24/2016	Planned Outage	18.6	1	18.6
1176494	5/24/2016	Planned Outage	18.2	1	18.2
1176500	5/24/2016	Planned Outage	405.5	3	135.2
1176505	5/24/2016	Planned Outage	58.7	1	58.7
1176514	5/24/2016	Planned Outage	1,252.0	5	250.4
1176515	5/24/2016	Planned Outage	349.6	1	349.6
1176523	5/24/2016	Planned Outage	73.0	1	73.0
1176525	5/24/2016	Planned Outage	11.5	1	11.5
1176526	5/24/2016	Planned Outage	12.6	1	12.6
1176529	5/24/2016	Planned Outage	71.0	1	71.0
1176539	5/24/2016	Planned Outage	77.0	4	19.3
1176543	5/24/2016	Planned Outage	99.1	3	33.0
1176544	5/24/2016	Planned Outage	219.6	5	43.9
1176545	5/24/2016	Planned Outage	142.6	4	35.7
1176547	5/24/2016	Planned Outage	702.9	3	234.3
1176548	5/24/2016	Planned Outage	23.6	1	23.6
1176549	5/24/2016	Planned Outage	69.0	1	69.0
1176598	5/24/2016	Planned Outage	121.7	1	121.7
1176627	5/25/2016	Planned Outage	20.9	1	20.9
1176629	5/25/2016	Planned Outage	149.1	2	74.6
1176630	5/25/2016	Planned Outage	99.1	1	99.1
1176631	5/25/2016	Planned Outage	216.6	3	72.2
1176632	5/25/2016	Planned Outage	21.2	1	21.2
1176635	5/25/2016	Planned Outage	179.6	4	44.9
1176636	5/25/2016	Planned Outage	146.3	1	146.3
1176645	5/25/2016	Planned Outage	4.8	2	2.4
1176651	5/25/2016	Planned Outage	193.4	1	193.4
1176654	5/25/2016	Planned Outage	61.8	1	61.8
1176656	5/25/2016	Planned Outage	122.6	1	122.6
1176658	5/25/2016	Planned Outage	18.4	3	6.1
1176659	5/25/2016	Planned Outage	2,933.6	19	154.4
1176661	5/25/2016	Planned Outage	86.5	1	86.5
1176662	5/25/2016	Planned Outage	514.9	3	171.6
1176664	5/25/2016	Planned Outage	28.7	2	14.3
1176670	5/25/2016	Planned Outage	55.3	1	55.3
1176672	5/25/2016	Planned Outage	115.7	4	28.9
1176673	5/25/2016	Planned Outage	851.1	4	212.8
1176674	5/25/2016	Planned Outage	212.5	1	212.5
1176679	5/25/2016	Planned Outage	41.8	1	41.8
1176684	5/25/2016	Planned Outage	354.7	4	88.7
1176714	5/25/2016	Planned Outage	507.3	4	126.8
1176724	5/25/2016	Planned Outage	33.7	1	33.7
1176726	5/25/2016	Planned Outage	341.6	16	21.4
1176734	5/25/2016	Planned Outage	1,563.0	15	104.2
1176780	5/26/2016	Planned Outage	42.3	1	42.3
1176781	5/26/2016	Planned Outage	251.1	4	62.8
1176783	5/26/2016	Planned Outage	29.1	1	29.1

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2016 Planned Outages Table

1176784	5/26/2016	Planned Outage	106.6	1	106.6
1176785	5/26/2016	Planned Outage	134.6	2	67.3
1176786	5/26/2016	Planned Outage	22.4	1	22.4
1176792	5/26/2016	Planned Outage	45.2	1	45.2
1176796	5/26/2016	Planned Outage	614.4	5	122.9
1176798	5/26/2016	Planned Outage	14.1	1	14.1
1176800	5/26/2016	Planned Outage	210.3	3	70.1
1176804	5/26/2016	Planned Outage	634.6	6	105.8
1176809	5/26/2016	Planned Outage	33.9	1	33.9
1176812	5/26/2016	Planned Outage	30.3	1	30.3
1176818	5/26/2016	Planned Outage	63.0	1	63.0
1176822	5/26/2016	Planned Outage	12,403.1	1,096	11.3
1176825	5/26/2016	Planned Outage	515.2	6	85.9
1176840	5/26/2016	Planned Outage	2,740.0	1,096	2.5
1176848	5/26/2016	Planned Outage	61.0	3	20.3
1176875	5/27/2016	Planned Outage	1,010.2	12	84.2
1176893	5/27/2016	Planned Outage	318.6	1	318.6
1176897	5/27/2016	Planned Outage	9.9	1	9.9
1176898	5/27/2016	Planned Outage	35.7	2	17.9
1176902	5/27/2016	Planned Outage	37.6	1	37.6
1176903	5/27/2016	Planned Outage	345.4	12	28.8
1176906	5/27/2016	Planned Outage	10,640.9	182	58.5
1176908	5/27/2016	Planned Outage	173.5	2	86.8
1176913	5/27/2016	Planned Outage	156.1	3	52.0
1176914	5/27/2016	Planned Outage	72.2	3	24.1
1176915	5/27/2016	Planned Outage	111.5	1	111.5
1176933	5/27/2016	Planned Outage	49.5	1	49.5
1176937	5/27/2016	Planned Outage	86.7	1	86.7
1176949	5/27/2016	Planned Outage	59.5	1	59.5
1176958	5/27/2016	Planned Outage	249.8	3	83.3
1177107	5/29/2016	Planned Outage	186.4	7	26.6
1177115	5/29/2016	Planned Outage	394.2	22	17.9
1177500	5/31/2016	Planned Outage	182.8	3	60.9
1177505	5/31/2016	Planned Outage	8,472.5	25	338.9
1177510	5/31/2016	Planned Outage	119.3	3	39.8
1177514	5/31/2016	Planned Outage	248.2	12	20.7
1177515	5/31/2016	Planned Outage	1,510.5	95	15.9
1177522	5/31/2016	Planned Outage	50.3	1	50.3
1177525	5/31/2016	Planned Outage	1,147.5	18	63.8
1177527	5/31/2016	Planned Outage	49.7	1	49.7
1177529	5/31/2016	Planned Outage	23.9	1	23.9
1177530	5/31/2016	Planned Outage	19.0	1	19.0
1177534	5/31/2016	Planned Outage	240.7	4	60.2
1177535	5/31/2016	Planned Outage	23,046.0	360	64.0
1177540	5/31/2016	Planned Outage	131.3	1	131.3
1177542	5/31/2016	Planned Outage	88.9	1	88.9
1177548	5/31/2016	Planned Outage	222.9	6	37.2
1177549	5/31/2016	Planned Outage	24.1	1	24.1
1177555	5/31/2016	Planned Outage	450.8	9	50.1

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2016 Planned Outages Table

1177557	5/31/2016	Planned Outage	48.7	1	48.7
1177558	5/31/2016	Planned Outage	110.5	1	110.5
1177565	5/31/2016	Planned Outage	170.3	5	34.1
1177569	5/31/2016	Planned Outage	24.8	1	24.8
1177572	5/31/2016	Planned Outage	21.7	6	3.6
1177574	5/31/2016	Planned Outage	4,718.6	17	277.6
1177577	5/31/2016	Planned Outage	345.0	5	69.0
1177604	5/31/2016	Planned Outage	48.5	5	9.7
1177605	5/31/2016	Planned Outage	70.5	7	10.1
1177618	5/31/2016	Planned Outage	12.9	3	4.3
1177702	5/31/2016	Planned Outage	4.2	1	4.2
1177724	6/1/2016	Planned Outage	124.0	1	124.0
1177725	6/1/2016	Planned Outage	165.6	1	165.6
1177726	6/1/2016	Planned Outage	83.2	3	27.7
1177729	6/1/2016	Planned Outage	19.8	1	19.8
1177735	6/1/2016	Planned Outage	85.8	1	85.8
1177737	6/1/2016	Planned Outage	405.6	1	405.6
1177739	6/1/2016	Planned Outage	192.0	1	192.0
1177740	6/1/2016	Planned Outage	346.9	4	86.7
1177742	6/1/2016	Planned Outage	363.9	2	182.0
1177745	6/1/2016	Planned Outage	1,906.4	5	381.3
1177746	6/1/2016	Planned Outage	518.2	4	129.6
1177747	6/1/2016	Planned Outage	691.5	10	69.2
1177750	6/1/2016	Planned Outage	103.4	1	103.4
1177754	6/1/2016	Planned Outage	21.6	1	21.6
1177760	6/1/2016	Planned Outage	77.4	1	77.4
1177761	6/1/2016	Planned Outage	53.4	1	53.4
1177766	6/1/2016	Planned Outage	21.6	1	21.6
1177768	6/1/2016	Planned Outage	267.8	4	67.0
1177769	6/1/2016	Planned Outage	56.1	1	56.1
1177794	6/1/2016	Planned Outage	337.8	3	112.6
1177796	6/1/2016	Planned Outage	4.4	2	2.2
1177832	6/1/2016	Planned Outage	230.6	3	76.9
1177840	6/1/2016	Planned Outage	73.9	2	37.0
1177881	6/2/2016	Planned Outage	57.7	2	28.8
1177952	6/2/2016	Planned Outage	166.0	4	41.5
1177972	6/2/2016	Planned Outage	69.2	3	23.1
1177977	6/2/2016	Planned Outage	1,493.5	87	17.2
1177980	6/2/2016	Planned Outage	194.9	4	48.7
1177981	6/2/2016	Planned Outage	35.4	1	35.4
1177982	6/2/2016	Planned Outage	11.8	1	11.8
1177983	6/2/2016	Planned Outage	12.8	1	12.8
1177987	6/2/2016	Planned Outage	3,445.9	74	46.6
1177995	6/2/2016	Planned Outage	102.1	1	102.1
1177997	6/2/2016	Planned Outage	1,267.4	51	24.9
1177999	6/2/2016	Planned Outage	76.9	4	19.2
1178001	6/2/2016	Planned Outage	9.0	1	9.0
1178007	6/2/2016	Planned Outage	31.1	1	31.1
1178009	6/2/2016	Planned Outage	1,330.0	34	39.1

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2016 Planned Outages Table

1178010	6/2/2016	Planned Outage	46.7	3	15.6
1178017	6/2/2016	Planned Outage	79.6	1	79.6
1178018	6/2/2016	Planned Outage	1,494.3	51	29.3
1178023	6/2/2016	Planned Outage	54.6	1	54.6
1178061	6/2/2016	Planned Outage	64.3	1	64.3
1178117	6/3/2016	Planned Outage	95.3	2	47.7
1178121	6/3/2016	Planned Outage	220.1	2	110.1
1178123	6/3/2016	Planned Outage	1,042.4	35	29.8
1178127	6/3/2016	Planned Outage	20.1	2	10.0
1178130	6/3/2016	Planned Outage	159.2	1	159.2
1178132	6/3/2016	Planned Outage	158.4	1	158.4
1178133	6/3/2016	Planned Outage	297.7	5	59.5
1178138	6/3/2016	Planned Outage	181.7	2	90.9
1178139	6/3/2016	Planned Outage	10.4	1	10.4
1178144	6/3/2016	Planned Outage	52.1	2	26.1
1178147	6/3/2016	Planned Outage	72.6	3	24.2
1178149	6/3/2016	Planned Outage	133.8	1	133.8
1178152	6/3/2016	Planned Outage	597.6	6	99.6
1178165	6/3/2016	Planned Outage	105.9	3	35.3
1178168	6/3/2016	Planned Outage	38.7	1	38.7
1178170	6/3/2016	Planned Outage	11.0	1	11.0
1178276	6/4/2016	Planned Outage	46.8	2	23.4
1178439	6/4/2016	Planned Outage	192.4	7	27.5
1178565	6/4/2016	Planned Outage	324.0	12	27.0
1178585	6/4/2016	Planned Outage	17.5	1	17.5
1179392	6/5/2016	Planned Outage	68.9	1	68.9
1179422	6/5/2016	Planned Outage	158.0	1	158.0
1179621	6/5/2016	Planned Outage	48.3	3	16.1
1179698	6/6/2016	Planned Outage	17.1	1	17.1
1179723	6/6/2016	Planned Outage	107.4	5	21.5
1179742	6/6/2016	Planned Outage	27.8	1	27.8
1179770	6/6/2016	Planned Outage	103.4	1	103.4
1179783	6/6/2016	Planned Outage	38.3	4	9.6
1179789	6/6/2016	Planned Outage	128.0	1	128.0
1179794	6/6/2016	Planned Outage	54.3	6	9.1
1179873	6/7/2016	Planned Outage	454.9	4	113.7
1179874	6/7/2016	Planned Outage	2,378.3	27	88.1
1179877	6/7/2016	Planned Outage	83.6	1	83.6
1179884	6/7/2016	Planned Outage	106.4	3	35.5
1179885	6/7/2016	Planned Outage	41.5	5	8.3
1179888	6/7/2016	Planned Outage	513.0	5	102.6
1179890	6/7/2016	Planned Outage	647.4	3	215.8
1179897	6/7/2016	Planned Outage	11.3	1	11.3
1179898	6/7/2016	Planned Outage	192.5	4	48.1
1179899	6/7/2016	Planned Outage	5,995.6	52	115.3
1179902	6/7/2016	Planned Outage	262.3	8	32.8
1179905	6/7/2016	Planned Outage	136.4	7	19.5
1179907	6/7/2016	Planned Outage	2,675.7	29	92.3
1179908	6/7/2016	Planned Outage	66.8	3	22.3

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2016 Planned Outages Table

1179910	6/7/2016	Planned Outage	424.3	4	106.1
1179918	6/7/2016	Planned Outage	61.0	5	12.2
1179919	6/7/2016	Planned Outage	47.2	2	23.6
1179924	6/7/2016	Planned Outage	85.0	1	85.0
1179928	6/7/2016	Planned Outage	111.4	5	22.3
1179940	6/7/2016	Planned Outage	33.5	1	33.5
1179952	6/7/2016	Planned Outage	105.8	1	105.8
1179953	6/7/2016	Planned Outage	212.3	2	106.1
1179955	6/7/2016	Planned Outage	22.2	1	22.2
1179967	6/7/2016	Planned Outage	48.8	1	48.8
1179973	6/7/2016	Planned Outage	22.2	1	22.2
1179976	6/7/2016	Planned Outage	476.3	4	119.1
1180000	6/7/2016	Planned Outage	471.3	8	58.9
1180001	6/7/2016	Planned Outage	13.1	1	13.1
1180237	6/8/2016	Planned Outage	1,015.0	7	145.0
1180253	6/8/2016	Planned Outage	67.3	1	67.3
1180254	6/8/2016	Planned Outage	356.0	4	89.0
1180260	6/8/2016	Planned Outage	21.1	1	21.1
1180266	6/8/2016	Planned Outage	3,215.5	32	100.5
1180268	6/8/2016	Planned Outage	632.1	8	79.0
1180270	6/8/2016	Planned Outage	1,229.7	9	136.6
1180274	6/8/2016	Planned Outage	146.0	2	73.0
1180278	6/8/2016	Planned Outage	2,314.9	42	55.1
1180283	6/8/2016	Planned Outage	630.0	14	45.0
1180288	6/8/2016	Planned Outage	61.8	1	61.8
1180293	6/8/2016	Planned Outage	368.0	92	4.0
1180299	6/8/2016	Planned Outage	936.0	13	72.0
1180306	6/8/2016	Planned Outage	16.8	1	16.8
1180308	6/8/2016	Planned Outage	27.1	1	27.1
1180462	6/8/2016	Planned Outage	87.6	1	87.6
1180465	6/8/2016	Planned Outage	342.2	2	171.1
1180604	6/9/2016	Planned Outage	331.9	13	25.5
1180630	6/9/2016	Planned Outage	130.0	1	130.0
1180636	6/9/2016	Planned Outage	214.5	9	23.8
1180642	6/9/2016	Planned Outage	121.3	1	121.3
1180644	6/9/2016	Planned Outage	637.0	6	106.2
1180659	6/9/2016	Planned Outage	190.9	4	47.7
1180662	6/9/2016	Planned Outage	81.1	1	81.1
1180664	6/9/2016	Planned Outage	127.9	4	32.0
1180665	6/9/2016	Planned Outage	49.0	2	24.5
1180667	6/9/2016	Planned Outage	397.2	4	99.3
1180668	6/9/2016	Planned Outage	112.3	10	11.2
1180669	6/9/2016	Planned Outage	308.9	2	154.4
1180671	6/9/2016	Planned Outage	47.9	4	12.0
1180672	6/9/2016	Planned Outage	134.6	1	134.6
1180673	6/9/2016	Planned Outage	32.9	1	32.9
1180674	6/9/2016	Planned Outage	125.6	1	125.6
1180693	6/9/2016	Planned Outage	49.0	1	49.0
1180696	6/9/2016	Planned Outage	28.1	1	28.1

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2016 Planned Outages Table

1180700	6/9/2016	Planned Outage	43.7	1	43.7
1180702	6/9/2016	Planned Outage	578.3	9	64.3
1180714	6/9/2016	Planned Outage	74.9	8	9.4
1180718	6/9/2016	Planned Outage	325.5	6	54.3
1180726	6/9/2016	Planned Outage	1.2	1	1.2
1180770	6/10/2016	Planned Outage	421.3	5	84.3
1180778	6/10/2016	Planned Outage	53.0	1	53.0
1180780	6/10/2016	Planned Outage	3.4	1	3.4
1180789	6/10/2016	Planned Outage	143.8	1	143.8
1180791	6/10/2016	Planned Outage	125.0	1	125.0
1180794	6/10/2016	Planned Outage	107.2	1	107.2
1180796	6/10/2016	Planned Outage	1,194.7	2	597.3
1180798	6/10/2016	Planned Outage	257.7	8	32.2
1180800	6/10/2016	Planned Outage	62.2	3	20.7
1180802	6/10/2016	Planned Outage	9.9	1	9.9
1180803	6/10/2016	Planned Outage	507.7	4	126.9
1180806	6/10/2016	Planned Outage	388.9	3	129.6
1180808	6/10/2016	Planned Outage	37.5	1	37.5
1180811	6/10/2016	Planned Outage	272.7	3	90.9
1180813	6/10/2016	Planned Outage	21.0	1	21.0
1180814	6/10/2016	Planned Outage	151.8	3	50.6
1180818	6/10/2016	Planned Outage	311.4	7	44.5
1180832	6/10/2016	Planned Outage	834.4	4	208.6
1180863	6/10/2016	Planned Outage	24.8	1	24.8
1180873	6/10/2016	Planned Outage	97.0	3	32.3
1181190	6/13/2016	Planned Outage	300.0	2	150.0
1181196	6/13/2016	Planned Outage	30.3	2	15.2
1181198	6/13/2016	Planned Outage	40.5	1	40.5
1181202	6/13/2016	Planned Outage	110.1	1	110.1
1181212	6/13/2016	Planned Outage	13.3	1	13.3
1181213	6/13/2016	Planned Outage	40.8	1	40.8
1181217	6/13/2016	Planned Outage	210.3	3	70.1
1181220	6/13/2016	Planned Outage	24.9	1	24.9
1181222	6/13/2016	Planned Outage	213.9	4	53.5
1181226	6/13/2016	Planned Outage	303.4	6	50.6
1181229	6/13/2016	Planned Outage	67.9	1	67.9
1181231	6/13/2016	Planned Outage	87.0	1	87.0
1181237	6/13/2016	Planned Outage	135.0	1	135.0
1181249	6/13/2016	Planned Outage	109.1	2	54.6
1181252	6/13/2016	Planned Outage	68.3	3	22.8
1181253	6/13/2016	Planned Outage	36.8	1	36.8
1181254	6/13/2016	Planned Outage	64.1	2	32.1
1181295	6/13/2016	Planned Outage	54.6	2	27.3
1181382	6/13/2016	Planned Outage	332.9	1	332.9
1181385	6/14/2016	Planned Outage	399.0	6	66.5
1181386	6/14/2016	Planned Outage	122.0	1	122.0
1181388	6/14/2016	Planned Outage	1,310.0	120	10.9
1181403	6/14/2016	Planned Outage	77.7	10	7.8
1181406	6/14/2016	Planned Outage	204.4	1	204.4

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2016 Planned Outages Table

1181407	6/14/2016	Planned Outage	408.3	2	204.2
1181410	6/14/2016	Planned Outage	133.6	2	66.8
1181411	6/14/2016	Planned Outage	261.6	5	52.3
1181421	6/14/2016	Planned Outage	251.8	7	36.0
1181430	6/14/2016	Planned Outage	317.7	2	158.9
1181434	6/14/2016	Planned Outage	424.9	4	106.2
1181435	6/14/2016	Planned Outage	90.3	1	90.3
1181438	6/14/2016	Planned Outage	166.4	4	41.6
1181439	6/14/2016	Planned Outage	172.1	29	5.9
1181440	6/14/2016	Planned Outage	128.5	1	128.5
1181442	6/14/2016	Planned Outage	9.7	1	9.7
1181448	6/14/2016	Planned Outage	64.8	5	13.0
1181450	6/14/2016	Planned Outage	222.0	3	74.0
1181453	6/14/2016	Planned Outage	513.7	8	64.2
1181456	6/14/2016	Planned Outage	23.1	1	23.1
1181462	6/14/2016	Planned Outage	342.3	5	68.5
1181465	6/14/2016	Planned Outage	35.9	1	35.9
1181466	6/14/2016	Planned Outage	70.0	2	35.0
1181474	6/14/2016	Planned Outage	40.4	4	10.1
1181477	6/14/2016	Planned Outage	44.6	2	22.3
1181482	6/14/2016	Planned Outage	33.0	1	33.0
1181487	6/14/2016	Planned Outage	31.5	1	31.5
1181510	6/14/2016	Planned Outage	5.7	1	5.7
1181536	6/14/2016	Planned Outage	7.7	1	7.7
1181588	6/14/2016	Planned Outage	876.0	41	21.4
1181660	6/15/2016	Planned Outage	13.6	1	13.6
1181662	6/15/2016	Planned Outage	308.6	3	102.9
1181668	6/15/2016	Planned Outage	83.9	2	41.9
1181683	6/15/2016	Planned Outage	263.1	8	32.9
1181701	6/15/2016	Planned Outage	334.8	1	334.8
1181702	6/15/2016	Planned Outage	830.2	17	48.8
1181721	6/15/2016	Planned Outage	66.0	2	33.0
1181753	6/15/2016	Planned Outage	11.8	1	11.8
1181757	6/15/2016	Planned Outage	21.5	1	21.5
1181768	6/15/2016	Planned Outage	35.8	2	17.9
1181811	6/15/2016	Planned Outage	170.1	1	170.1
1181823	6/15/2016	Planned Outage	12.4	1	12.4
1181826	6/15/2016	Planned Outage	77.9	3	26.0
1181835	6/15/2016	Planned Outage	8.3	1	8.3
1181837	6/15/2016	Planned Outage	16.6	1	16.6
1181838	6/15/2016	Planned Outage	214.1	4	53.5
1181839	6/15/2016	Planned Outage	9.0	1	9.0
1181846	6/15/2016	Planned Outage	67.1	1	67.1
1181861	6/15/2016	Planned Outage	203.1	6	33.9
1181947	6/16/2016	Planned Outage	277.3	10	27.7
1181949	6/16/2016	Planned Outage	207.2	1	207.2
1181955	6/16/2016	Planned Outage	92.0	1	92.0
1181957	6/16/2016	Planned Outage	152.7	3	50.9
1181963	6/16/2016	Planned Outage	76.3	1	76.3

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2016 Planned Outages Table

1181970	6/16/2016	Planned Outage	226.0	1	226.0
1181972	6/16/2016	Planned Outage	14.1	1	14.1
1181974	6/16/2016	Planned Outage	9.2	1	9.2
1181978	6/16/2016	Planned Outage	101.2	5	20.2
1181984	6/16/2016	Planned Outage	90.8	2	45.4
1181985	6/16/2016	Planned Outage	45.1	1	45.1
1181986	6/16/2016	Planned Outage	171.3	4	42.8
1181988	6/16/2016	Planned Outage	242.7	3	80.9
1181995	6/16/2016	Planned Outage	59.2	6	9.9
1181999	6/16/2016	Planned Outage	24.9	2	12.5
1182003	6/16/2016	Planned Outage	99.0	3	33.0
1182006	6/16/2016	Planned Outage	64.2	4	16.1
1182009	6/16/2016	Planned Outage	27.7	1	27.7
1182011	6/16/2016	Planned Outage	33.0	1	33.0
1182035	6/16/2016	Planned Outage	40.0	5	8.0
1182036	6/16/2016	Planned Outage	71.4	5	14.3
1182040	6/16/2016	Planned Outage	550.0	50	11.0
1182063	6/16/2016	Planned Outage	72.6	1	72.6
1182239	6/16/2016	Planned Outage	59.8	1	59.8
1182309	6/17/2016	Planned Outage	99.5	2	49.8
1182310	6/17/2016	Planned Outage	387.7	4	96.9
1182311	6/17/2016	Planned Outage	109.2	3	36.4
1182317	6/17/2016	Planned Outage	92.9	1	92.9
1182326	6/17/2016	Planned Outage	55.1	1	55.1
1182327	6/17/2016	Planned Outage	55.1	1	55.1
1182328	6/17/2016	Planned Outage	92.1	2	46.0
1182329	6/17/2016	Planned Outage	1,084.2	10	108.4
1182333	6/17/2016	Planned Outage	840.0	15	56.0
1182335	6/17/2016	Planned Outage	8.4	1	8.4
1182337	6/17/2016	Planned Outage	47.7	3	15.9
1182346	6/17/2016	Planned Outage	104.4	3	34.8
1182347	6/17/2016	Planned Outage	43.0	2	21.5
1182352	6/17/2016	Planned Outage	69.2	8	8.7
1182353	6/17/2016	Planned Outage	135.0	2	67.5
1182357	6/17/2016	Planned Outage	180.0	25	7.2
1182359	6/17/2016	Planned Outage	19.4	1	19.4
1182363	6/17/2016	Planned Outage	263.5	3	87.8
1182364	6/17/2016	Planned Outage	76.3	3	25.4
1182377	6/17/2016	Planned Outage	1.8	1	1.8
1183098	6/18/2016	Planned Outage	38.2	3	12.7
1183185	6/18/2016	Planned Outage	8.5	1	8.5
1183186	6/18/2016	Planned Outage	776.4	3	258.8
1183201	6/18/2016	Planned Outage	35.7	1	35.7
1183243	6/18/2016	Planned Outage	101.9	8	12.7
1183364	6/19/2016	Planned Outage	193.5	5	38.7
1183384	6/19/2016	Planned Outage	20.4	1	20.4
1183390	6/19/2016	Planned Outage	2,280.6	54	42.2
1183398	6/19/2016	Planned Outage	164.3	9	18.3
1183447	6/20/2016	Planned Outage	835.2	8	104.4

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2016 Planned Outages Table

1183451	6/20/2016	Planned Outage	314.8	2	157.4
1183453	6/20/2016	Planned Outage	39.8	3	13.3
1183456	6/20/2016	Planned Outage	60.7	3	20.2
1183463	6/20/2016	Planned Outage	3,180.6	186	17.1
1183476	6/20/2016	Planned Outage	118.2	1	118.2
1183520	6/20/2016	Planned Outage	55.0	6	9.2
1183527	6/20/2016	Planned Outage	152.8	1	152.8
1183528	6/20/2016	Planned Outage	677.0	3	225.7
1183532	6/20/2016	Planned Outage	48.5	3	16.2
1183533	6/20/2016	Planned Outage	578.0	6	96.3
1183536	6/20/2016	Planned Outage	43.7	1	43.7
1183539	6/20/2016	Planned Outage	72.9	1	72.9
1183540	6/20/2016	Planned Outage	9.6	1	9.6
1183549	6/20/2016	Planned Outage	300.8	8	37.6
1183554	6/20/2016	Planned Outage	13.4	1	13.4
1183556	6/20/2016	Planned Outage	28.8	1	28.8
1183567	6/20/2016	Planned Outage	266.7	4	66.7
1183571	6/20/2016	Planned Outage	48.0	1	48.0
1183586	6/20/2016	Planned Outage	589.1	7	84.2
1183588	6/20/2016	Planned Outage	143.2	5	28.6
1183658	6/21/2016	Planned Outage	86.3	1	86.3
1183665	6/21/2016	Planned Outage	19.9	1	19.9
1183667	6/21/2016	Planned Outage	618.0	2	309.0
1183668	6/21/2016	Planned Outage	1,938.4	48	40.4
1183670	6/21/2016	Planned Outage	312.7	2	156.4
1183673	6/21/2016	Planned Outage	1.4	1	1.4
1183674	6/21/2016	Planned Outage	113.1	1	113.1
1183676	6/21/2016	Planned Outage	398.8	7	57.0
1183677	6/21/2016	Planned Outage	54.7	2	27.4
1183678	6/21/2016	Planned Outage	210.4	2	105.2
1183680	6/21/2016	Planned Outage	65.2	1	65.2
1183682	6/21/2016	Planned Outage	12.6	1	12.6
1183684	6/21/2016	Planned Outage	885.2	7	126.5
1183687	6/21/2016	Planned Outage	32.5	1	32.5
1183691	6/21/2016	Planned Outage	22.3	1	22.3
1183693	6/21/2016	Planned Outage	28.2	5	5.6
1183712	6/21/2016	Planned Outage	44.6	1	44.6
1183713	6/21/2016	Planned Outage	19.6	1	19.6
1183719	6/21/2016	Planned Outage	49.0	1	49.0
1183722	6/21/2016	Planned Outage	670.5	4	167.6
1183778	6/22/2016	Planned Outage	15,046.3	196	76.8
1183781	6/22/2016	Planned Outage	33.6	1	33.6
1183782	6/22/2016	Planned Outage	2,302.0	59	39.0
1183784	6/22/2016	Planned Outage	38.5	1	38.5
1183792	6/22/2016	Planned Outage	2,668.7	6	444.8
1183799	6/22/2016	Planned Outage	108.6	1	108.6
1183800	6/22/2016	Planned Outage	110.5	1	110.5
1183808	6/22/2016	Planned Outage	266.0	2	133.0
1183813	6/22/2016	Planned Outage	905.6	4	226.4

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2016 Planned Outages Table

1183814	6/22/2016	Planned Outage	22.4	1	22.4
1183816	6/22/2016	Planned Outage	723.7	4	180.9
1183817	6/22/2016	Planned Outage	29.5	1	29.5
1183819	6/22/2016	Planned Outage	205.6	4	51.4
1183820	6/22/2016	Planned Outage	329.0	7	47.0
1183821	6/22/2016	Planned Outage	53.8	2	26.9
1183822	6/22/2016	Planned Outage	25.9	1	25.9
1183831	6/22/2016	Planned Outage	23.0	1	23.0
1183847	6/22/2016	Planned Outage	129.2	1	129.2
1183848	6/22/2016	Planned Outage	630.5	5	126.1
1183852	6/22/2016	Planned Outage	33.7	1	33.7
1183874	6/22/2016	Planned Outage	120.9	4	30.2
1183880	6/22/2016	Planned Outage	162.9	5	32.6
1183889	6/22/2016	Planned Outage	524.5	3	174.8
1183902	6/22/2016	Planned Outage	20.9	1	20.9
1183905	6/22/2016	Planned Outage	5.3	1	5.3
1183911	6/22/2016	Planned Outage	143.2	3	47.7
1183934	6/22/2016	Planned Outage	62.0	2	31.0
1183974	6/23/2016	Planned Outage	619.1	6	103.2
1183978	6/23/2016	Planned Outage	4,004.1	54	74.2
1183979	6/23/2016	Planned Outage	4,384.8	81	54.1
1183995	6/23/2016	Planned Outage	54.0	1	54.0
1183996	6/23/2016	Planned Outage	42.2	1	42.2
1183997	6/23/2016	Planned Outage	160.5	4	40.1
1184000	6/23/2016	Planned Outage	81.0	1	81.0
1184002	6/23/2016	Planned Outage	296.6	2	148.3
1184003	6/23/2016	Planned Outage	49.5	2	24.8
1184008	6/23/2016	Planned Outage	416.3	3	138.8
1184016	6/23/2016	Planned Outage	106.9	2	53.5
1184035	6/23/2016	Planned Outage	10.9	1	10.9
1184045	6/23/2016	Planned Outage	86.6	2	43.3
1184050	6/23/2016	Planned Outage	71.6	1	71.6
1184051	6/23/2016	Planned Outage	107.3	3	35.8
1184081	6/23/2016	Planned Outage	43.6	1	43.6
1184083	6/24/2016	Planned Outage	251.1	2	125.5
1184102	6/24/2016	Planned Outage	41.9	4	10.5
1184106	6/24/2016	Planned Outage	45.9	1	45.9
1184116	6/24/2016	Planned Outage	51.4	6	8.6
1184117	6/24/2016	Planned Outage	6.4	1	6.4
1184120	6/24/2016	Planned Outage	258.7	13	19.9
1184124	6/24/2016	Planned Outage	289.8	7	41.4
1184127	6/24/2016	Planned Outage	229.0	5	45.8
1184128	6/24/2016	Planned Outage	5.7	1	5.7
1184129	6/24/2016	Planned Outage	52.5	1	52.5
1184132	6/24/2016	Planned Outage	32.5	4	8.1
1184144	6/24/2016	Planned Outage	492.0	2	246.0
1184146	6/24/2016	Planned Outage	43.4	1	43.4
1184149	6/24/2016	Planned Outage	29.7	4	7.4
1184165	6/24/2016	Planned Outage	172.9	4	43.2

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2016 Planned Outages Table

1184180	6/24/2016	Planned Outage	59.0	3	19.7
1184195	6/24/2016	Planned Outage	622.7	3	207.6
1184255	6/25/2016	Planned Outage	707.6	12	59.0
1184265	6/25/2016	Planned Outage	20.1	1	20.1
1184309	6/25/2016	Planned Outage	78.0	26	3.0
1184357	6/26/2016	Planned Outage	36.8	1	36.8
1184920	6/26/2016	Planned Outage	1,212.1	6	202.0
1184955	6/27/2016	Planned Outage	166.7	4	41.7
1184958	6/27/2016	Planned Outage	587.4	11	53.4
1184963	6/27/2016	Planned Outage	63.2	3	21.1
1184975	6/27/2016	Planned Outage	615.0	6	102.5
1184985	6/27/2016	Planned Outage	7,400.2	141	52.5
1184990	6/27/2016	Planned Outage	9.4	1	9.4
1184991	6/27/2016	Planned Outage	9.6	1	9.6
1185003	6/27/2016	Planned Outage	141.1	8	17.6
1185005	6/27/2016	Planned Outage	115.3	2	57.7
1185006	6/27/2016	Planned Outage	266.7	3	88.9
1185008	6/27/2016	Planned Outage	93.9	4	23.5
1185013	6/27/2016	Planned Outage	46.4	1	46.4
1185014	6/27/2016	Planned Outage	418.3	4	104.6
1185015	6/27/2016	Planned Outage	1,258.6	12	104.9
1185019	6/27/2016	Planned Outage	25.5	1	25.5
1185020	6/27/2016	Planned Outage	85.3	3	28.4
1185026	6/27/2016	Planned Outage	2,392.0	39	61.3
1185094	6/27/2016	Planned Outage	9.8	1	9.8
1185100	6/27/2016	Planned Outage	739.2	4	184.8
1185127	6/27/2016	Planned Outage	31.2	1	31.2
1185161	6/28/2016	Planned Outage	1,554.7	11	141.3
1185175	6/28/2016	Planned Outage	516.5	4	129.1
1185178	6/28/2016	Planned Outage	97.6	1	97.6
1185179	6/28/2016	Planned Outage	79.8	2	39.9
1185180	6/28/2016	Planned Outage	1,625.8	25	65.0
1185181	6/28/2016	Planned Outage	666.9	4	166.7
1185183	6/28/2016	Planned Outage	40.3	1	40.3
1185186	6/28/2016	Planned Outage	10.1	1	10.1
1185189	6/28/2016	Planned Outage	138.0	6	23.0
1185190	6/28/2016	Planned Outage	3,177.5	30	105.9
1185193	6/28/2016	Planned Outage	37.5	4	9.4
1185194	6/28/2016	Planned Outage	671.9	3	224.0
1185196	6/28/2016	Planned Outage	51.1	2	25.5
1185197	6/28/2016	Planned Outage	86.2	4	21.6
1185198	6/28/2016	Planned Outage	200.1	3	66.7
1185199	6/28/2016	Planned Outage	43.9	1	43.9
1185201	6/28/2016	Planned Outage	8.6	1	8.6
1185204	6/28/2016	Planned Outage	153.4	43	3.6
1185206	6/28/2016	Planned Outage	4.0	1	4.0
1185207	6/28/2016	Planned Outage	21.4	2	10.7
1185210	6/28/2016	Planned Outage	303.8	26	11.7
1185212	6/28/2016	Planned Outage	81.0	4	20.3

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2016 Planned Outages Table

1185213	6/28/2016	Planned Outage	115.6	4	28.9
1185217	6/28/2016	Planned Outage	28.6	3	9.5
1185218	6/28/2016	Planned Outage	43.6	1	43.6
1185219	6/28/2016	Planned Outage	478.4	2	239.2
1185237	6/28/2016	Planned Outage	73.7	2	36.9
1185239	6/28/2016	Planned Outage	472.7	3	157.6
1185252	6/28/2016	Planned Outage	1,366.9	6	227.8
1185260	6/28/2016	Planned Outage	89.2	3	29.7
1185262	6/28/2016	Planned Outage	417.0	4	104.3
1185312	6/29/2016	Planned Outage	1,674.0	9	186.0
1185313	6/29/2016	Planned Outage	17.9	1	17.9
1185315	6/29/2016	Planned Outage	492.9	6	82.2
1185316	6/29/2016	Planned Outage	46.8	5	9.4
1185318	6/29/2016	Planned Outage	222.4	5	44.5
1185320	6/29/2016	Planned Outage	494.7	7	70.7
1185322	6/29/2016	Planned Outage	92.3	1	92.3
1185323	6/29/2016	Planned Outage	188.5	2	94.2
1185324	6/29/2016	Planned Outage	14.3	1	14.3
1185325	6/29/2016	Planned Outage	43.4	2	21.7
1185326	6/29/2016	Planned Outage	317.9	1	317.9
1185332	6/29/2016	Planned Outage	18.0	1	18.0
1185349	6/29/2016	Planned Outage	6.3	1	6.3
1185350	6/29/2016	Planned Outage	177.8	6	29.6
1185352	6/29/2016	Planned Outage	2,652.8	45	59.0
1185392	6/29/2016	Planned Outage	335.3	3	111.8
1185397	6/29/2016	Planned Outage	42.0	1	42.0
1185413	6/29/2016	Planned Outage	21.8	1	21.8
1185420	6/29/2016	Planned Outage	102.7	4	25.7
1185451	6/30/2016	Planned Outage	252.4	2	126.2
1185500	6/30/2016	Planned Outage	69.9	2	34.9
1185513	6/30/2016	Planned Outage	47.6	1	47.6
1185515	6/30/2016	Planned Outage	292.0	3	97.3
1185521	6/30/2016	Planned Outage	942.5	25	37.7
1185523	6/30/2016	Planned Outage	33.8	3	11.3
1185524	6/30/2016	Planned Outage	151.6	2	75.8
1185525	6/30/2016	Planned Outage	75.4	1	75.4
1185561	6/30/2016	Planned Outage	181.7	9	20.2
1185577	6/30/2016	Planned Outage	105.0	1	105.0
1185616	7/1/2016	Planned Outage	4.6	1	4.6
1185622	7/1/2016	Planned Outage	85.2	4	21.3
1185627	7/1/2016	Planned Outage	3,697.3	62	59.6
1185630	7/1/2016	Planned Outage	59.5	2	29.8
1185633	7/1/2016	Planned Outage	183.4	5	36.7
1185636	7/1/2016	Planned Outage	26.5	2	13.3
1185637	7/1/2016	Planned Outage	3,116.7	34	91.7
1185638	7/1/2016	Planned Outage	13.4	1	13.4
1185640	7/1/2016	Planned Outage	1,499.1	13	115.3
1185641	7/1/2016	Planned Outage	252.0	4	63.0
1185642	7/1/2016	Planned Outage	201.0	3	67.0

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2016 Planned Outages Table

1185643	7/1/2016	Planned Outage	67.1	1	67.1
1185644	7/1/2016	Planned Outage	168.0	3	56.0
1185648	7/1/2016	Planned Outage	668.8	8	83.6
1185657	7/1/2016	Planned Outage	36.1	1	36.1
1185712	7/1/2016	Planned Outage	90.2	2	45.1
1185729	7/1/2016	Planned Outage	19.1	1	19.1
1185747	7/1/2016	Planned Outage	10.6	1	10.6
1185751	7/1/2016	Planned Outage	219.5	6	36.6
1185951	7/3/2016	Planned Outage	3,165.4	29	109.2
1185966	7/3/2016	Planned Outage	46.6	1	46.6
1186102	7/4/2016	Planned Outage	33.6	1	33.6
1186142	7/5/2016	Planned Outage	81.8	1	81.8
1186146	7/5/2016	Planned Outage	1,587.0	30	52.9
1186151	7/5/2016	Planned Outage	2,359.3	17	138.8
1186152	7/5/2016	Planned Outage	14.7	2	7.3
1186155	7/5/2016	Planned Outage	253.3	3	84.4
1186156	7/5/2016	Planned Outage	582.9	3	194.3
1186158	7/5/2016	Planned Outage	420.5	3	140.2
1186162	7/5/2016	Planned Outage	157.1	3	52.4
1186164	7/5/2016	Planned Outage	1,255.0	5	251.0
1186180	7/5/2016	Planned Outage	61.6	2	30.8
1186181	7/5/2016	Planned Outage	413.6	1	413.6
1186182	7/5/2016	Planned Outage	547.6	3	182.5
1186183	7/5/2016	Planned Outage	738.0	6	123.0
1186184	7/5/2016	Planned Outage	450.2	9	50.0
1186185	7/5/2016	Planned Outage	309.1	7	44.2
1186193	7/5/2016	Planned Outage	10.7	1	10.7
1186195	7/5/2016	Planned Outage	150.0	2	75.0
1186204	7/5/2016	Planned Outage	338.7	8	42.3
1186287	7/5/2016	Planned Outage	586.2	3	195.4
1186422	7/6/2016	Planned Outage	37.2	1	37.2
1186423	7/6/2016	Planned Outage	103.7	2	51.8
1186429	7/6/2016	Planned Outage	134.7	1	134.7
1186431	7/6/2016	Planned Outage	41.4	1	41.4
1186435	7/6/2016	Planned Outage	38.6	1	38.6
1186436	7/6/2016	Planned Outage	59.4	1	59.4
1186437	7/6/2016	Planned Outage	111.6	2	55.8
1186439	7/6/2016	Planned Outage	34.6	1	34.6
1186445	7/6/2016	Planned Outage	1,028.2	6	171.4
1186447	7/6/2016	Planned Outage	57.9	7	8.3
1186479	7/6/2016	Planned Outage	176.3	1	176.3
1186482	7/6/2016	Planned Outage	264.0	1	264.0
1186490	7/6/2016	Planned Outage	615.1	5	123.0
1186491	7/6/2016	Planned Outage	87.1	3	29.0
1186508	7/6/2016	Planned Outage	1,343.0	30	44.8
1186519	7/6/2016	Planned Outage	321.6	2	160.8
1186523	7/6/2016	Planned Outage	177.7	4	44.4
1186524	7/6/2016	Planned Outage	151.7	1	151.7
1186525	7/6/2016	Planned Outage	37.5	3	12.5

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2016 Planned Outages Table

1186536	7/6/2016	Planned Outage	18.8	1	18.8
1186537	7/6/2016	Planned Outage	8.9	1	8.9
1186539	7/6/2016	Planned Outage	23.8	1	23.8
1186543	7/6/2016	Planned Outage	198.0	1	198.0
1186554	7/6/2016	Planned Outage	8.3	1	8.3
1186606	7/6/2016	Planned Outage	10.8	1	10.8
1186620	7/6/2016	Planned Outage	543.7	4	135.9
1186641	7/6/2016	Planned Outage	272.0	7	38.9
1186671	7/7/2016	Planned Outage	54.9	4	13.7
1186688	7/7/2016	Planned Outage	110.6	1	110.6
1186689	7/7/2016	Planned Outage	7.4	1	7.4
1186690	7/7/2016	Planned Outage	66.9	4	16.7
1186700	7/7/2016	Planned Outage	828.4	4	207.1
1186702	7/7/2016	Planned Outage	64.5	1	64.5
1186704	7/7/2016	Planned Outage	51.3	1	51.3
1186705	7/7/2016	Planned Outage	177.0	1	177.0
1186706	7/7/2016	Planned Outage	145.3	1	145.3
1186707	7/7/2016	Planned Outage	1,142.5	7	163.2
1186709	7/7/2016	Planned Outage	38.9	1	38.9
1186710	7/7/2016	Planned Outage	692.3	3	230.8
1186717	7/7/2016	Planned Outage	26.2	1	26.2
1186718	7/7/2016	Planned Outage	1,156.1	33	35.0
1186721	7/7/2016	Planned Outage	939.3	10	93.9
1186727	7/7/2016	Planned Outage	1,400.2	10	140.0
1186728	7/7/2016	Planned Outage	138.4	1	138.4
1186744	7/7/2016	Planned Outage	18.3	1	18.3
1186749	7/7/2016	Planned Outage	45.1	1	45.1
1186784	7/7/2016	Planned Outage	71.4	3	23.8
1186820	7/8/2016	Planned Outage	194.9	1	194.9
1186821	7/8/2016	Planned Outage	43.4	1	43.4
1186822	7/8/2016	Planned Outage	63.9	1	63.9
1186826	7/8/2016	Planned Outage	612.3	3	204.1
1186833	7/8/2016	Planned Outage	182.9	1	182.9
1186841	7/8/2016	Planned Outage	6.1	1	6.1
1186847	7/8/2016	Planned Outage	274.6	19	14.5
1186857	7/8/2016	Planned Outage	165.7	4	41.4
1186871	7/8/2016	Planned Outage	175.3	4	43.8
1186904	7/8/2016	Planned Outage	50.0	1	50.0
1187390	7/11/2016	Planned Outage	528.9	1	528.9
1187409	7/11/2016	Planned Outage	18.9	1	18.9
1187412	7/11/2016	Planned Outage	1,713.8	38	45.1
1187416	7/11/2016	Planned Outage	38.3	1	38.3
1187418	7/11/2016	Planned Outage	81.6	3	27.2
1187419	7/11/2016	Planned Outage	1,720.8	7	245.8
1187421	7/11/2016	Planned Outage	74.1	1	74.1
1187424	7/11/2016	Planned Outage	158.8	3	52.9
1187425	7/11/2016	Planned Outage	241.6	3	80.5
1187430	7/11/2016	Planned Outage	103.0	3	34.3
1187431	7/11/2016	Planned Outage	383.1	2	191.5

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2016 Planned Outages Table

1187432	7/11/2016	Planned Outage	262.7	5	52.5
1187433	7/11/2016	Planned Outage	43.4	1	43.4
1187439	7/11/2016	Planned Outage	137.9	9	15.3
1187444	7/11/2016	Planned Outage	47.5	1	47.5
1187445	7/11/2016	Planned Outage	253.8	2	126.9
1187463	7/11/2016	Planned Outage	307.3	4	76.8
1187465	7/11/2016	Planned Outage	679.5	6	113.3
1187471	7/11/2016	Planned Outage	295.7	8	37.0
1187474	7/11/2016	Planned Outage	81.9	4	20.5
1187504	7/11/2016	Planned Outage	168.9	7	24.1
1187545	7/11/2016	Planned Outage	375.3	8	46.9
1187560	7/11/2016	Planned Outage	611.7	2	305.9
1187582	7/11/2016	Planned Outage	11.7	1	11.7
1187593	7/11/2016	Planned Outage	8.6	3	2.9
1187594	7/11/2016	Planned Outage	34.9	1	34.9
1187596	7/11/2016	Planned Outage	1,045.6	3	348.5
1187606	7/11/2016	Planned Outage	25.1	1	25.1
1187655	7/12/2016	Planned Outage	31.5	1	31.5
1187659	7/12/2016	Planned Outage	326.5	3	108.8
1187660	7/12/2016	Planned Outage	411.9	4	103.0
1187661	7/12/2016	Planned Outage	48.7	4	12.2
1187663	7/12/2016	Planned Outage	158.5	4	39.6
1187672	7/12/2016	Planned Outage	24.6	1	24.6
1187711	7/12/2016	Planned Outage	301.0	2	150.5
1187716	7/12/2016	Planned Outage	267.8	2	133.9
1187717	7/12/2016	Planned Outage	456.5	4	114.1
1187733	7/12/2016	Planned Outage	115.7	4	28.9
1187744	7/12/2016	Planned Outage	42.9	1	42.9
1187903	7/12/2016	Planned Outage	633.9	4	158.5
1187904	7/12/2016	Planned Outage	5.3	1	5.3
1187911	7/12/2016	Planned Outage	255.7	4	63.9
1187921	7/12/2016	Planned Outage	191.9	9	21.3
1187928	7/12/2016	Planned Outage	226.9	4	56.7
1187931	7/12/2016	Planned Outage	8.7	1	8.7
1187962	7/13/2016	Planned Outage	23.9	1	23.9
1187968	7/13/2016	Planned Outage	72.1	1	72.1
1187969	7/13/2016	Planned Outage	417.9	7	59.7
1187971	7/13/2016	Planned Outage	110.1	4	27.5
1187972	7/13/2016	Planned Outage	585.2	4	146.3
1187974	7/13/2016	Planned Outage	890.3	7	127.2
1187975	7/13/2016	Planned Outage	118.0	1	118.0
1187983	7/13/2016	Planned Outage	188.4	5	37.7
1187985	7/13/2016	Planned Outage	64.4	4	16.1
1187988	7/13/2016	Planned Outage	65.0	3	21.7
1187989	7/13/2016	Planned Outage	516.7	7	73.8
1187992	7/13/2016	Planned Outage	2,014.8	69	29.2
1187994	7/13/2016	Planned Outage	454.1	7	64.9
1187997	7/13/2016	Planned Outage	67.9	1	67.9
1188000	7/13/2016	Planned Outage	351.3	4	87.8

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2016 Planned Outages Table

1188003	7/13/2016	Planned Outage	21.7	1	21.7
1188004	7/13/2016	Planned Outage	522.0	13	40.2
1188005	7/13/2016	Planned Outage	208.3	4	52.1
1188006	7/13/2016	Planned Outage	399.1	26	15.4
1188030	7/13/2016	Planned Outage	38.6	1	38.6
1188033	7/13/2016	Planned Outage	941.8	5	188.4
1188140	7/13/2016	Planned Outage	92.3	3	30.8
1188196	7/13/2016	Planned Outage	176.7	3	58.9
1188235	7/14/2016	Planned Outage	283.7	2	141.9
1188236	7/14/2016	Planned Outage	848.7	6	141.5
1188278	7/14/2016	Planned Outage	161.7	7	23.1
1188282	7/14/2016	Planned Outage	347.7	2	173.9
1188283	7/14/2016	Planned Outage	384.5	7	54.9
1188284	7/14/2016	Planned Outage	71.7	1	71.7
1188295	7/14/2016	Planned Outage	50.0	1	50.0
1188303	7/14/2016	Planned Outage	183.1	3	61.0
1188307	7/14/2016	Planned Outage	203.3	6	33.9
1188311	7/14/2016	Planned Outage	83.0	1	83.0
1188313	7/14/2016	Planned Outage	129.3	2	64.7
1188316	7/14/2016	Planned Outage	276.7	1	276.7
1188323	7/14/2016	Planned Outage	4.3	1	4.3
1188326	7/14/2016	Planned Outage	15.0	1	15.0
1188331	7/14/2016	Planned Outage	752.0	47	16.0
1188334	7/14/2016	Planned Outage	23.7	2	11.9
1188340	7/14/2016	Planned Outage	6.3	1	6.3
1188344	7/14/2016	Planned Outage	44.6	7	6.4
1188379	7/14/2016	Planned Outage	138.7	8	17.3
1188401	7/14/2016	Planned Outage	10.0	1	10.0
1188481	7/14/2016	Planned Outage	26.5	1	26.5
1188489	7/14/2016	Planned Outage	2,045.4	25	81.8
1188515	7/15/2016	Planned Outage	112.6	1	112.6
1188517	7/15/2016	Planned Outage	257.2	6	42.9
1188518	7/15/2016	Planned Outage	12.1	1	12.1
1188524	7/15/2016	Planned Outage	206.2	7	29.5
1188527	7/15/2016	Planned Outage	19.1	3	6.4
1188529	7/15/2016	Planned Outage	260.3	2	130.2
1188530	7/15/2016	Planned Outage	83.7	1	83.7
1188535	7/15/2016	Planned Outage	44.3	2	22.1
1188537	7/15/2016	Planned Outage	223.6	4	55.9
1188538	7/15/2016	Planned Outage	370.5	8	46.3
1188540	7/15/2016	Planned Outage	328.5	9	36.5
1188548	7/15/2016	Planned Outage	21.3	1	21.3
1188549	7/15/2016	Planned Outage	147.6	7	21.1
1188558	7/15/2016	Planned Outage	34.9	3	11.6
1188568	7/15/2016	Planned Outage	11.3	1	11.3
1188593	7/15/2016	Planned Outage	462.0	84	5.5
1188615	7/15/2016	Planned Outage	86.9	4	21.7
1188680	7/16/2016	Planned Outage	47.3	1	47.3
1188881	7/17/2016	Planned Outage	95.3	2	47.7

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2016 Planned Outages Table

1188912	7/18/2016	Planned Outage	169.2	9	18.8
1188915	7/18/2016	Planned Outage	80.6	1	80.6
1188921	7/18/2016	Planned Outage	124.6	5	24.9
1188922	7/18/2016	Planned Outage	12.5	1	12.5
1188925	7/18/2016	Planned Outage	52.3	4	13.1
1188926	7/18/2016	Planned Outage	75.0	5	15.0
1188928	7/18/2016	Planned Outage	98.5	3	32.8
1188929	7/18/2016	Planned Outage	26.2	4	6.6
1188931	7/18/2016	Planned Outage	25.8	1	25.8
1188934	7/18/2016	Planned Outage	121.3	1	121.3
1188935	7/18/2016	Planned Outage	15.7	1	15.7
1188936	7/18/2016	Planned Outage	30.1	3	10.0
1188937	7/18/2016	Planned Outage	476.9	4	119.2
1188938	7/18/2016	Planned Outage	19.1	3	6.4
1188939	7/18/2016	Planned Outage	36.2	2	18.1
1188946	7/18/2016	Planned Outage	31.2	1	31.2
1188962	7/18/2016	Planned Outage	306.7	2	153.4
1188973	7/18/2016	Planned Outage	227.6	3	75.9
1188982	7/18/2016	Planned Outage	190.0	8	23.8
1189039	7/18/2016	Planned Outage	14.2	1	14.2
1189116	7/18/2016	Planned Outage	13.1	8	1.6
1189208	7/18/2016	Planned Outage	128.1	2	64.1
1189222	7/18/2016	Planned Outage	3.5	1	3.5
1189268	7/19/2016	Planned Outage	1,287.9	4	322.0
1189271	7/19/2016	Planned Outage	269.4	5	53.9
1189276	7/19/2016	Planned Outage	841.3	7	120.2
1189292	7/19/2016	Planned Outage	142.1	2	71.1
1189295	7/19/2016	Planned Outage	114.9	2	57.4
1189300	7/19/2016	Planned Outage	28.1	5	5.6
1189304	7/19/2016	Planned Outage	149.2	4	37.3
1189311	7/19/2016	Planned Outage	4.0	4	1.0
1189314	7/19/2016	Planned Outage	276.7	4	69.2
1189315	7/19/2016	Planned Outage	67.9	1	67.9
1189318	7/19/2016	Planned Outage	154.9	7	22.1
1189322	7/19/2016	Planned Outage	530.6	13	40.8
1189330	7/19/2016	Planned Outage	79.5	2	39.8
1189331	7/19/2016	Planned Outage	367.0	4	91.8
1189332	7/19/2016	Planned Outage	7.5	1	7.5
1189333	7/19/2016	Planned Outage	28.0	1	28.0
1189342	7/19/2016	Planned Outage	685.5	8	85.7
1189343	7/19/2016	Planned Outage	774.1	8	96.8
1189357	7/19/2016	Planned Outage	52.7	1	52.7
1189358	7/19/2016	Planned Outage	156.4	8	19.6
1189364	7/19/2016	Planned Outage	197.0	3	65.7
1189365	7/19/2016	Planned Outage	192.6	3	64.2
1189367	7/19/2016	Planned Outage	43.9	1	43.9
1189378	7/19/2016	Planned Outage	531.9	4	133.0
1189408	7/19/2016	Planned Outage	8.8	1	8.8
1189409	7/19/2016	Planned Outage	135.4	4	33.9

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2016 Planned Outages Table

1189410	7/19/2016	Planned Outage	674.1	4	168.5
1189423	7/19/2016	Planned Outage	16.9	1	16.9
1189457	7/20/2016	Planned Outage	298.9	21	14.2
1189464	7/20/2016	Planned Outage	201.5	4	50.4
1189467	7/20/2016	Planned Outage	85.2	3	28.4
1189468	7/20/2016	Planned Outage	11.3	2	5.7
1189470	7/20/2016	Planned Outage	584.8	6	97.5
1189471	7/20/2016	Planned Outage	666.3	7	95.2
1189475	7/20/2016	Planned Outage	289.7	4	72.4
1189477	7/20/2016	Planned Outage	15.0	1	15.0
1189479	7/20/2016	Planned Outage	8.4	1	8.4
1189480	7/20/2016	Planned Outage	18.2	1	18.2
1189481	7/20/2016	Planned Outage	204.1	21	9.7
1189484	7/20/2016	Planned Outage	98.9	2	49.5
1189488	7/20/2016	Planned Outage	48.0	24	2.0
1189496	7/20/2016	Planned Outage	402.1	4	100.5
1189499	7/20/2016	Planned Outage	23.3	1	23.3
1189508	7/20/2016	Planned Outage	73.8	5	14.8
1189509	7/20/2016	Planned Outage	59.8	1	59.8
1189513	7/20/2016	Planned Outage	41.6	1	41.6
1189516	7/20/2016	Planned Outage	172.4	2	86.2
1189523	7/20/2016	Planned Outage	241.2	7	34.5
1189524	7/20/2016	Planned Outage	17.7	1	17.7
1189525	7/20/2016	Planned Outage	53.3	1	53.3
1189544	7/20/2016	Planned Outage	472.6	4	118.2
1189592	7/20/2016	Planned Outage	672.0	4	168.0
1189633	7/21/2016	Planned Outage	43.5	5	8.7
1189634	7/21/2016	Planned Outage	802.4	7	114.6
1189636	7/21/2016	Planned Outage	4.3	1	4.3
1189637	7/21/2016	Planned Outage	325.8	2	162.9
1189638	7/21/2016	Planned Outage	48.8	5	9.8
1189639	7/21/2016	Planned Outage	89.9	1	89.9
1189640	7/21/2016	Planned Outage	255.6	2	127.8
1189641	7/21/2016	Planned Outage	30.5	6	5.1
1189643	7/21/2016	Planned Outage	1,145.9	14	81.9
1189648	7/21/2016	Planned Outage	326.0	6	54.3
1189650	7/21/2016	Planned Outage	90.3	4	22.6
1189655	7/21/2016	Planned Outage	509.0	2	254.5
1189656	7/21/2016	Planned Outage	350.7	14	25.1
1189657	7/21/2016	Planned Outage	399.1	7	57.0
1189658	7/21/2016	Planned Outage	39.9	1	39.9
1189659	7/21/2016	Planned Outage	79.5	1	79.5
1189660	7/21/2016	Planned Outage	35.4	2	17.7
1189661	7/21/2016	Planned Outage	28.3	4	7.1
1189663	7/21/2016	Planned Outage	17.5	1	17.5
1189674	7/21/2016	Planned Outage	12.8	1	12.8
1189682	7/21/2016	Planned Outage	292.8	6	48.8
1189775	7/21/2016	Planned Outage	92.8	1	92.8
1189836	7/22/2016	Planned Outage	47.9	1	47.9

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2016 Planned Outages Table

1189840	7/22/2016	Planned Outage	127.0	1	127.0
1189842	7/22/2016	Planned Outage	53.0	1	53.0
1189848	7/22/2016	Planned Outage	36.0	4	9.0
1189858	7/22/2016	Planned Outage	300.0	5	60.0
1189859	7/22/2016	Planned Outage	403.9	4	101.0
1189860	7/22/2016	Planned Outage	112.0	2	56.0
1189862	7/22/2016	Planned Outage	26.1	1	26.1
1189868	7/22/2016	Planned Outage	132.6	1	132.6
1189869	7/22/2016	Planned Outage	99.9	7	14.3
1189871	7/22/2016	Planned Outage	1,254.3	29	43.3
1189878	7/22/2016	Planned Outage	861.2	9	95.7
1189879	7/22/2016	Planned Outage	126.0	3	42.0
1189882	7/22/2016	Planned Outage	26.0	1	26.0
1189885	7/22/2016	Planned Outage	76.3	4	19.1
1189887	7/22/2016	Planned Outage	1,760.0	88	20.0
1189894	7/22/2016	Planned Outage	65.4	1	65.4
1189895	7/22/2016	Planned Outage	44.7	1	44.7
1189907	7/22/2016	Planned Outage	131.0	1	131.0
1189912	7/22/2016	Planned Outage	271.1	5	54.2
1189914	7/22/2016	Planned Outage	74.0	1	74.0
1189929	7/22/2016	Planned Outage	14.1	5	2.8
1189968	7/22/2016	Planned Outage	33.9	1	33.9
1190040	7/22/2016	Planned Outage	79.2	5	15.8
1190048	7/23/2016	Planned Outage	85.7	4	21.4
1190288	7/24/2016	Planned Outage	230.6	1	230.6
1190336	7/24/2016	Planned Outage	16.0	1	16.0
1190371	7/24/2016	Planned Outage	41.4	1	41.4
1190383	7/24/2016	Planned Outage	30.3	1	30.3
1190453	7/25/2016	Planned Outage	128.1	2	64.1
1190494	7/25/2016	Planned Outage	145.6	2	72.8
1190496	7/25/2016	Planned Outage	170.3	4	42.6
1190500	7/25/2016	Planned Outage	90.5	2	45.2
1190505	7/25/2016	Planned Outage	13.9	2	6.9
1190508	7/25/2016	Planned Outage	151.1	3	50.4
1190511	7/25/2016	Planned Outage	46.5	1	46.5
1190512	7/25/2016	Planned Outage	267.9	4	67.0
1190515	7/25/2016	Planned Outage	582.9	9	64.8
1190520	7/25/2016	Planned Outage	21.6	1	21.6
1190521	7/25/2016	Planned Outage	21.0	1	21.0
1190522	7/25/2016	Planned Outage	10.3	1	10.3
1190526	7/25/2016	Planned Outage	15.0	1	15.0
1190527	7/25/2016	Planned Outage	316.1	5	63.2
1190541	7/25/2016	Planned Outage	57.0	1	57.0
1190547	7/25/2016	Planned Outage	133.4	4	33.4
1190585	7/25/2016	Planned Outage	373.2	1	373.2
1190599	7/25/2016	Planned Outage	43.0	1	43.0
1190600	7/25/2016	Planned Outage	175.5	4	43.9
1190606	7/25/2016	Planned Outage	126.6	3	42.2
1190607	7/25/2016	Planned Outage	42.4	1	42.4

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2016 Planned Outages Table

1190666	7/26/2016	Planned Outage	162.3	2	81.1
1190668	7/26/2016	Planned Outage	269.6	3	89.9
1190670	7/26/2016	Planned Outage	62.4	1	62.4
1190674	7/26/2016	Planned Outage	211.6	2	105.8
1190677	7/26/2016	Planned Outage	63.9	3	21.3
1190682	7/26/2016	Planned Outage	30.4	1	30.4
1190684	7/26/2016	Planned Outage	167.5	1	167.5
1190707	7/26/2016	Planned Outage	25.0	1	25.0
1190713	7/26/2016	Planned Outage	25.1	1	25.1
1190716	7/26/2016	Planned Outage	767.0	17	45.1
1190717	7/26/2016	Planned Outage	69.1	2	34.6
1190750	7/26/2016	Planned Outage	103.6	2	51.8
1190757	7/26/2016	Planned Outage	58.8	1	58.8
1190760	7/26/2016	Planned Outage	112.1	2	56.1
1190770	7/26/2016	Planned Outage	214.1	2	107.1
1190817	7/26/2016	Planned Outage	69.5	2	34.7
1190862	7/27/2016	Planned Outage	288.2	2	144.1
1190869	7/27/2016	Planned Outage	201.5	2	100.8
1190875	7/27/2016	Planned Outage	194.5	2	97.2
1190876	7/27/2016	Planned Outage	98.5	1	98.5
1190879	7/27/2016	Planned Outage	69.9	1	69.9
1190880	7/27/2016	Planned Outage	27.3	1	27.3
1190881	7/27/2016	Planned Outage	12.2	1	12.2
1190884	7/27/2016	Planned Outage	295.6	4	73.9
1190885	7/27/2016	Planned Outage	32.4	1	32.4
1190886	7/27/2016	Planned Outage	274.8	9	30.5
1190892	7/27/2016	Planned Outage	170.1	3	56.7
1190893	7/27/2016	Planned Outage	168.5	3	56.2
1190894	7/27/2016	Planned Outage	37.7	1	37.7
1190898	7/27/2016	Planned Outage	44.4	1	44.4
1190900	7/27/2016	Planned Outage	130.9	1	130.9
1190902	7/27/2016	Planned Outage	285.6	17	16.8
1190918	7/27/2016	Planned Outage	364.8	4	91.2
1190935	7/27/2016	Planned Outage	8.9	1	8.9
1190936	7/27/2016	Planned Outage	8.8	1	8.8
1190946	7/27/2016	Planned Outage	609.1	6	101.5
1190952	7/27/2016	Planned Outage	392.6	5	78.5
1190980	7/28/2016	Planned Outage	37.7	1	37.7
1190984	7/28/2016	Planned Outage	469.5	1	469.5
1190994	7/28/2016	Planned Outage	11.6	1	11.6
1191005	7/28/2016	Planned Outage	26.3	1	26.3
1191007	7/28/2016	Planned Outage	12.6	1	12.6
1191008	7/28/2016	Planned Outage	198.5	4	49.6
1191012	7/28/2016	Planned Outage	5.9	1	5.9
1191013	7/28/2016	Planned Outage	1,918.1	5	383.6
1191016	7/28/2016	Planned Outage	2,791.5	7	398.8
1191018	7/28/2016	Planned Outage	88.4	3	29.5
1191019	7/28/2016	Planned Outage	270.7	2	135.3
1191021	7/28/2016	Planned Outage	341.8	12	28.5

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2016 Planned Outages Table

1191023	7/28/2016	Planned Outage	51.0	1	51.0
1191024	7/28/2016	Planned Outage	67.0	1	67.0
1191025	7/28/2016	Planned Outage	17.4	1	17.4
1191026	7/28/2016	Planned Outage	1,343.8	4	336.0
1191029	7/28/2016	Planned Outage	143.5	1	143.5
1191032	7/28/2016	Planned Outage	493.3	3	164.4
1191034	7/28/2016	Planned Outage	26.9	1	26.9
1191036	7/28/2016	Planned Outage	237.9	4	59.5
1191040	7/28/2016	Planned Outage	116.8	16	7.3
1191041	7/28/2016	Planned Outage	236.6	3	78.9
1191042	7/28/2016	Planned Outage	78.7	1	78.7
1191044	7/28/2016	Planned Outage	17.7	2	8.9
1191046	7/28/2016	Planned Outage	99.1	1	99.1
1191049	7/28/2016	Planned Outage	721.0	3	240.3
1191058	7/28/2016	Planned Outage	62.9	2	31.5
1191060	7/28/2016	Planned Outage	47.4	2	23.7
1191072	7/28/2016	Planned Outage	110.5	3	36.8
1191083	7/28/2016	Planned Outage	45.7	1	45.7
1191094	7/28/2016	Planned Outage	135.3	6	22.6
1191097	7/28/2016	Planned Outage	123.8	3	41.3
1191143	7/29/2016	Planned Outage	196.6	3	65.5
1191146	7/29/2016	Planned Outage	58.8	1	58.8
1191148	7/29/2016	Planned Outage	122.7	1	122.7
1191151	7/29/2016	Planned Outage	82.9	5	16.6
1191154	7/29/2016	Planned Outage	51.9	2	26.0
1191156	7/29/2016	Planned Outage	465.0	5	93.0
1191157	7/29/2016	Planned Outage	438.9	1	438.9
1191158	7/29/2016	Planned Outage	160.3	1	160.3
1191164	7/29/2016	Planned Outage	31.1	4	7.8
1191168	7/29/2016	Planned Outage	681.2	26	26.2
1191173	7/29/2016	Planned Outage	117.4	4	29.4
1191178	7/29/2016	Planned Outage	233.6	48	4.9
1191190	7/29/2016	Planned Outage	1,168.3	5	233.7
1191194	7/29/2016	Planned Outage	6.6	1	6.6
1191196	7/29/2016	Planned Outage	124.7	9	13.9
1191207	7/29/2016	Planned Outage	5.9	4	1.5
1191248	7/29/2016	Planned Outage	497.7	8	62.2
1191281	7/29/2016	Planned Outage	16.7	4	4.2
1191384	7/30/2016	Planned Outage	194.7	4	48.7
1191406	7/30/2016	Planned Outage	155.3	8	19.4
1191417	7/31/2016	Planned Outage	196.5	3	65.5
1191576	8/1/2016	Planned Outage	236.1	4	59.0
1191580	8/1/2016	Planned Outage	21.6	1	21.6
1191582	8/1/2016	Planned Outage	37.6	1	37.6
1191584	8/1/2016	Planned Outage	268.0	5	53.6
1191589	8/1/2016	Planned Outage	244.3	1	244.3
1191593	8/1/2016	Planned Outage	141.8	1	141.8
1191594	8/1/2016	Planned Outage	179.4	3	59.8
1191601	8/1/2016	Planned Outage	44.9	1	44.9

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2016 Planned Outages Table

1191603	8/1/2016	Planned Outage	314.2	6	52.4
1191606	8/1/2016	Planned Outage	1,270.1	6	211.7
1191608	8/1/2016	Planned Outage	133.6	1	133.6
1191614	8/1/2016	Planned Outage	108.7	4	27.2
1191684	8/1/2016	Planned Outage	91.4	1	91.4
1191686	8/1/2016	Planned Outage	27.2	3	9.1
1191693	8/1/2016	Planned Outage	17.6	1	17.6
1191696	8/1/2016	Planned Outage	503.8	7	72.0
1191716	8/1/2016	Planned Outage	18.3	1	18.3
1191735	8/1/2016	Planned Outage	123.3	4	30.8
1191750	8/1/2016	Planned Outage	34.5	5	6.9
1191802	8/2/2016	Planned Outage	44.5	1	44.5
1191806	8/2/2016	Planned Outage	50.0	1	50.0
1191815	8/2/2016	Planned Outage	156.8	2	78.4
1191869	8/2/2016	Planned Outage	228.3	4	57.1
1191871	8/2/2016	Planned Outage	56.1	1	56.1
1191892	8/2/2016	Planned Outage	377.1	9	41.9
1191915	8/2/2016	Planned Outage	35.3	1	35.3
1191932	8/2/2016	Planned Outage	99.3	1	99.3
1191951	8/2/2016	Planned Outage	112.8	4	28.2
1191955	8/2/2016	Planned Outage	886.2	5	177.2
1191962	8/2/2016	Planned Outage	76.7	1	76.7
1191992	8/2/2016	Planned Outage	699.5	5	139.9
1192024	8/3/2016	Planned Outage	387.4	6	64.6
1192036	8/3/2016	Planned Outage	138.7	3	46.2
1192041	8/3/2016	Planned Outage	597.0	15	39.8
1192047	8/3/2016	Planned Outage	625.7	6	104.3
1192051	8/3/2016	Planned Outage	10.6	1	10.6
1192053	8/3/2016	Planned Outage	10.8	1	10.8
1192054	8/3/2016	Planned Outage	1,079.9	3	360.0
1192056	8/3/2016	Planned Outage	87.5	4	21.9
1192058	8/3/2016	Planned Outage	188.7	4	47.2
1192064	8/3/2016	Planned Outage	2,927.8	21	139.4
1192071	8/3/2016	Planned Outage	1,871.0	12	155.9
1192072	8/3/2016	Planned Outage	385.7	5	77.1
1192073	8/3/2016	Planned Outage	74.7	1	74.7
1192078	8/3/2016	Planned Outage	73.7	3	24.6
1192080	8/3/2016	Planned Outage	52.5	1	52.5
1192081	8/3/2016	Planned Outage	149.5	3	49.8
1192085	8/3/2016	Planned Outage	67.6	1	67.6
1192088	8/3/2016	Planned Outage	54.3	5	10.9
1192089	8/3/2016	Planned Outage	10.7	1	10.7
1192094	8/3/2016	Planned Outage	45.1	4	11.3
1192099	8/3/2016	Planned Outage	12.2	1	12.2
1192106	8/3/2016	Planned Outage	250.2	1	250.2
1192107	8/3/2016	Planned Outage	790.8	13	60.8
1192109	8/3/2016	Planned Outage	482.0	7	68.9
1192119	8/3/2016	Planned Outage	1,057.9	5	211.6
1192124	8/3/2016	Planned Outage	750.3	4	187.6

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2016 Planned Outages Table

1192125	8/3/2016	Planned Outage	20.3	3	6.8
1192155	8/3/2016	Planned Outage	6.6	1	6.6
1192667	8/4/2016	Planned Outage	12.3	1	12.3
1192791	8/4/2016	Planned Outage	133.9	1	133.9
1193010	8/4/2016	Planned Outage	1,016.5	29	35.1
1193400	8/5/2016	Planned Outage	258.0	2	129.0
1193403	8/5/2016	Planned Outage	477.7	1	477.7
1193404	8/5/2016	Planned Outage	264.6	13	20.4
1193406	8/5/2016	Planned Outage	38.1	6	6.4
1193408	8/5/2016	Planned Outage	724.8	13	55.8
1193418	8/5/2016	Planned Outage	43.9	4	11.0
1193420	8/5/2016	Planned Outage	885.7	10	88.6
1193421	8/5/2016	Planned Outage	131.4	3	43.8
1193422	8/5/2016	Planned Outage	39.7	1	39.7
1193423	8/5/2016	Planned Outage	23.6	1	23.6
1193424	8/5/2016	Planned Outage	5.5	1	5.5
1193425	8/5/2016	Planned Outage	71.7	1	71.7
1193427	8/5/2016	Planned Outage	1,011.6	8	126.5
1193431	8/5/2016	Planned Outage	47.7	2	23.8
1193434	8/5/2016	Planned Outage	74.4	1	74.4
1193440	8/5/2016	Planned Outage	88.1	1	88.1
1193442	8/5/2016	Planned Outage	42.3	5	8.5
1193444	8/5/2016	Planned Outage	129.4	13	10.0
1193471	8/5/2016	Planned Outage	173.4	1	173.4
1193472	8/5/2016	Planned Outage	67.3	4	16.8
1193740	8/5/2016	Planned Outage	14.2	1	14.2
1193882	8/6/2016	Planned Outage	809.8	5	162.0
1193926	8/6/2016	Planned Outage	15.8	12	1.3
1194152	8/6/2016	Planned Outage	18.3	1	18.3
1194811	8/8/2016	Planned Outage	110.5	3	36.8
1194814	8/8/2016	Planned Outage	105.0	3	35.0
1194834	8/8/2016	Planned Outage	792.0	4	198.0
1194841	8/8/2016	Planned Outage	132.0	4	33.0
1194877	8/8/2016	Planned Outage	36.0	1	36.0
1194900	8/8/2016	Planned Outage	5.0	1	5.0
1194902	8/8/2016	Planned Outage	123.0	3	41.0
1194944	8/8/2016	Planned Outage	557.1	3	185.7
1194948	8/8/2016	Planned Outage	604.0	4	151.0
1194952	8/8/2016	Planned Outage	418.0	11	38.0
1194974	8/8/2016	Planned Outage	203.2	3	67.7
1194985	8/8/2016	Planned Outage	78.7	16	4.9
1195015	8/9/2016	Planned Outage	386.4	6	64.4
1195019	8/9/2016	Planned Outage	140.8	4	35.2
1195021	8/9/2016	Planned Outage	513.0	2	256.5
1195032	8/9/2016	Planned Outage	288.0	18	16.0
1195036	8/9/2016	Planned Outage	34.0	4	8.5
1195040	8/9/2016	Planned Outage	4.5	1	4.5
1195043	8/9/2016	Planned Outage	9.0	1	9.0
1195044	8/9/2016	Planned Outage	224.0	1	224.0

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2016 Planned Outages Table

1195045	8/9/2016	Planned Outage	448.0	2	224.0
1195046	8/9/2016	Planned Outage	62.5	2	31.3
1195047	8/9/2016	Planned Outage	28.6	1	28.6
1195048	8/9/2016	Planned Outage	622.4	3	207.5
1195051	8/9/2016	Planned Outage	30.0	1	30.0
1195052	8/9/2016	Planned Outage	78.0	5	15.6
1195055	8/9/2016	Planned Outage	275.0	3	91.7
1195061	8/9/2016	Planned Outage	10.6	1	10.6
1195063	8/9/2016	Planned Outage	43.0	1	43.0
1195069	8/9/2016	Planned Outage	1,464.6	106	13.8
1195073	8/9/2016	Planned Outage	9.8	1	9.8
1195079	8/9/2016	Planned Outage	29.2	2	14.6
1195081	8/9/2016	Planned Outage	609.6	3	203.2
1195083	8/9/2016	Planned Outage	65.6	1	65.6
1195093	8/9/2016	Planned Outage	43.1	1	43.1
1195094	8/9/2016	Planned Outage	341.0	1	341.0
1195097	8/9/2016	Planned Outage	2.0	1	2.0
1195103	8/9/2016	Planned Outage	63.2	4	15.8
1195108	8/9/2016	Planned Outage	63.3	1	63.3
1195111	8/9/2016	Planned Outage	61.2	1	61.2
1195118	8/9/2016	Planned Outage	91.0	1	91.0
1195120	8/9/2016	Planned Outage	13.3	1	13.3
1195122	8/9/2016	Planned Outage	1,089.3	6	181.6
1195142	8/9/2016	Planned Outage	532.6	13	41.0
1195208	8/9/2016	Planned Outage	71.9	13	5.5
1195212	8/9/2016	Planned Outage	6,422.9	189	34.0
1195296	8/10/2016	Planned Outage	832.0	2	416.0
1195297	8/10/2016	Planned Outage	104.1	1	104.1
1195300	8/10/2016	Planned Outage	63.4	3	21.1
1195306	8/10/2016	Planned Outage	238.0	14	17.0
1195318	8/10/2016	Planned Outage	19.5	1	19.5
1195321	8/10/2016	Planned Outage	55.6	3	18.5
1195325	8/10/2016	Planned Outage	121.1	5	24.2
1195326	8/10/2016	Planned Outage	23.0	1	23.0
1195338	8/10/2016	Planned Outage	479.3	5	95.9
1195480	8/10/2016	Planned Outage	78.3	1	78.3
1195723	8/11/2016	Planned Outage	4.9	1	4.9
1195740	8/11/2016	Planned Outage	26.8	1	26.8
1195746	8/11/2016	Planned Outage	252.3	2	126.2
1195786	8/11/2016	Planned Outage	82.1	1	82.1
1195790	8/11/2016	Planned Outage	36.9	1	36.9
1195799	8/11/2016	Planned Outage	523.4	5	104.7
1195831	8/11/2016	Planned Outage	137.2	3	45.7
1195841	8/11/2016	Planned Outage	10.6	1	10.6
1195871	8/11/2016	Planned Outage	1,463.8	39	37.5
1195874	8/11/2016	Planned Outage	32.8	1	32.8
1195875	8/11/2016	Planned Outage	5.6	1	5.6
1195905	8/11/2016	Planned Outage	83.0	9	9.2
1195977	8/12/2016	Planned Outage	307.4	3	102.5

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2016 Planned Outages Table

1195979	8/12/2016	Planned Outage	1,225.0	25	49.0
1195980	8/12/2016	Planned Outage	915.4	12	76.3
1195987	8/12/2016	Planned Outage	397.3	16	24.8
1195988	8/12/2016	Planned Outage	1,226.9	77	15.9
1195990	8/12/2016	Planned Outage	135.2	2	67.6
1195992	8/12/2016	Planned Outage	56.1	2	28.1
1196000	8/12/2016	Planned Outage	2,561.0	260	9.9
1196025	8/12/2016	Planned Outage	302.3	4	75.6
1196035	8/12/2016	Planned Outage	417.8	6	69.6
1196039	8/12/2016	Planned Outage	13.4	1	13.4
1196044	8/12/2016	Planned Outage	188.9	6	31.5
1196061	8/12/2016	Planned Outage	48.0	1	48.0
1196077	8/12/2016	Planned Outage	86.1	1	86.1
1196111	8/12/2016	Planned Outage	33.5	3	11.2
1196185	8/13/2016	Planned Outage	40.9	2	20.5
1196225	8/13/2016	Planned Outage	7.1	1	7.1
1196276	8/13/2016	Planned Outage	304.0	16	19.0
1196509	8/15/2016	Planned Outage	77.0	1	77.0
1196511	8/15/2016	Planned Outage	21.9	2	11.0
1196515	8/15/2016	Planned Outage	43.0	1	43.0
1196519	8/15/2016	Planned Outage	410.2	7	58.6
1196521	8/15/2016	Planned Outage	215.5	3	71.8
1196525	8/15/2016	Planned Outage	10.9	2	5.4
1196526	8/15/2016	Planned Outage	137.1	1	137.1
1196527	8/15/2016	Planned Outage	4,767.0	28	170.3
1196529	8/15/2016	Planned Outage	135.5	1	135.5
1196532	8/15/2016	Planned Outage	84.4	1	84.4
1196533	8/15/2016	Planned Outage	260.4	3	86.8
1196535	8/15/2016	Planned Outage	458.4	5	91.7
1196536	8/15/2016	Planned Outage	29.2	1	29.2
1196540	8/15/2016	Planned Outage	131.1	2	65.6
1196542	8/15/2016	Planned Outage	26.0	2	13.0
1196544	8/15/2016	Planned Outage	72.6	1	72.6
1196549	8/15/2016	Planned Outage	45.6	3	15.2
1196552	8/15/2016	Planned Outage	716.7	7	102.4
1196553	8/15/2016	Planned Outage	289.6	3	96.5
1196561	8/15/2016	Planned Outage	25.2	1	25.2
1196570	8/15/2016	Planned Outage	162.9	1	162.9
1196572	8/15/2016	Planned Outage	53.7	1	53.7
1196573	8/15/2016	Planned Outage	174.8	1	174.8
1196575	8/15/2016	Planned Outage	1.8	1	1.8
1196578	8/15/2016	Planned Outage	95.2	1	95.2
1196587	8/15/2016	Planned Outage	163.4	1	163.4
1196588	8/15/2016	Planned Outage	7.5	1	7.5
1196589	8/15/2016	Planned Outage	267.9	3	89.3
1196591	8/15/2016	Planned Outage	296.1	6	49.4
1196592	8/15/2016	Planned Outage	83.1	1	83.1
1196593	8/15/2016	Planned Outage	15.1	1	15.1
1196595	8/15/2016	Planned Outage	26.0	3	8.7

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2016 Planned Outages Table

1196596	8/15/2016	Planned Outage	138.0	1	138.0
1196619	8/15/2016	Planned Outage	130.9	4	32.7
1196620	8/15/2016	Planned Outage	13.2	1	13.2
1196621	8/15/2016	Planned Outage	327.8	3	109.3
1196628	8/15/2016	Planned Outage	196.1	4	49.0
1196629	8/15/2016	Planned Outage	52.7	1	52.7
1196633	8/15/2016	Planned Outage	45.6	1	45.6
1196654	8/15/2016	Planned Outage	16.3	3	5.4
1196655	8/15/2016	Planned Outage	41.4	7	5.9
1196709	8/15/2016	Planned Outage	278.3	3	92.8
1196714	8/16/2016	Planned Outage	118.0	1	118.0
1196715	8/16/2016	Planned Outage	1,302.3	8	162.8
1196716	8/16/2016	Planned Outage	1,414.2	9	157.1
1196717	8/16/2016	Planned Outage	584.4	2	292.2
1196735	8/16/2016	Planned Outage	379.5	5	75.9
1196737	8/16/2016	Planned Outage	178.0	2	89.0
1196738	8/16/2016	Planned Outage	88.9	1	88.9
1196745	8/16/2016	Planned Outage	658.1	4	164.5
1196754	8/16/2016	Planned Outage	77.6	1	77.6
1196764	8/16/2016	Planned Outage	776.0	5	155.2
1196768	8/16/2016	Planned Outage	123.0	11	11.2
1196771	8/16/2016	Planned Outage	31.1	1	31.1
1196774	8/16/2016	Planned Outage	204.3	2	102.2
1196777	8/16/2016	Planned Outage	10,198.0	31	329.0
1196787	8/16/2016	Planned Outage	772.1	5	154.4
1196793	8/16/2016	Planned Outage	625.7	4	156.4
1196796	8/16/2016	Planned Outage	680.4	8	85.1
1196797	8/16/2016	Planned Outage	37.0	2	18.5
1196799	8/16/2016	Planned Outage	14.8	1	14.8
1196804	8/16/2016	Planned Outage	626.6	4	156.7
1196808	8/16/2016	Planned Outage	254.2	2	127.1
1196809	8/16/2016	Planned Outage	30.4	1	30.4
1196819	8/16/2016	Planned Outage	5,407.7	17	318.1
1196827	8/16/2016	Planned Outage	165.3	6	27.6
1196829	8/16/2016	Planned Outage	358.2	10	35.8
1196830	8/16/2016	Planned Outage	12.7	2	6.3
1196872	8/16/2016	Planned Outage	31.1	1	31.1
1196882	8/16/2016	Planned Outage	49.8	3	16.6
1196888	8/16/2016	Planned Outage	48.2	1	48.2
1196897	8/16/2016	Planned Outage	184.0	1	184.0
1196950	8/17/2016	Planned Outage	42.7	4	10.7
1196951	8/17/2016	Planned Outage	11,748.0	165	71.2
1196953	8/17/2016	Planned Outage	413.4	17	24.3
1196954	8/17/2016	Planned Outage	155.6	1	155.6
1196955	8/17/2016	Planned Outage	155.8	1	155.8
1196957	8/17/2016	Planned Outage	440.3	7	62.9
1196959	8/17/2016	Planned Outage	160.6	22	7.3
1196960	8/17/2016	Planned Outage	5.8	1	5.8
1196961	8/17/2016	Planned Outage	50.3	2	25.1

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2016 Planned Outages Table

1196962	8/17/2016	Planned Outage	1,404.0	12	117.0
1196964	8/17/2016	Planned Outage	1,352.0	30	45.1
1196971	8/17/2016	Planned Outage	23.5	1	23.5
1196973	8/17/2016	Planned Outage	907.9	22	41.3
1196976	8/17/2016	Planned Outage	667.0	17	39.2
1196995	8/17/2016	Planned Outage	173.6	4	43.4
1196997	8/17/2016	Planned Outage	701.4	9	77.9
1197003	8/17/2016	Planned Outage	30.2	1	30.2
1197004	8/17/2016	Planned Outage	86.5	2	43.3
1197010	8/17/2016	Planned Outage	171.1	2	85.6
1197011	8/17/2016	Planned Outage	90.8	5	18.2
1197013	8/17/2016	Planned Outage	75.7	2	37.9
1197014	8/17/2016	Planned Outage	37.6	1	37.6
1197015	8/17/2016	Planned Outage	37.4	1	37.4
1197022	8/17/2016	Planned Outage	226.6	5	45.3
1197024	8/17/2016	Planned Outage	9.6	1	9.6
1197025	8/17/2016	Planned Outage	16.9	1	16.9
1197029	8/17/2016	Planned Outage	79.8	3	26.6
1197030	8/17/2016	Planned Outage	213.4	4	53.4
1197060	8/17/2016	Planned Outage	101.9	5	20.4
1197140	8/17/2016	Planned Outage	5.9	1	5.9
1197145	8/17/2016	Planned Outage	27.5	3	9.2
1197149	8/17/2016	Planned Outage	25.6	2	12.8
1197155	8/17/2016	Planned Outage	31.1	4	7.8
1197192	8/18/2016	Planned Outage	1,135.9	3	378.6
1197197	8/18/2016	Planned Outage	4,956.0	60	82.6
1197198	8/18/2016	Planned Outage	388.7	5	77.7
1197212	8/18/2016	Planned Outage	135.4	2	67.7
1197214	8/18/2016	Planned Outage	1,132.0	4	283.0
1197220	8/18/2016	Planned Outage	208.0	8	26.0
1197221	8/18/2016	Planned Outage	246.1	4	61.5
1197222	8/18/2016	Planned Outage	951.4	6	158.6
1197224	8/18/2016	Planned Outage	1,420.8	5	284.2
1197225	8/18/2016	Planned Outage	15.4	1	15.4
1197226	8/18/2016	Planned Outage	528.6	3	176.2
1197229	8/18/2016	Planned Outage	152.0	6	25.3
1197241	8/18/2016	Planned Outage	182.8	2	91.4
1197242	8/18/2016	Planned Outage	396.5	8	49.6
1197246	8/18/2016	Planned Outage	359.2	16	22.5
1197247	8/18/2016	Planned Outage	288.5	5	57.7
1197249	8/18/2016	Planned Outage	3,581.1	52	68.9
1197260	8/18/2016	Planned Outage	162.6	2	81.3
1197264	8/18/2016	Planned Outage	32.7	1	32.7
1197272	8/18/2016	Planned Outage	149.2	4	37.3
1197282	8/18/2016	Planned Outage	27.6	2	13.8
1197286	8/18/2016	Planned Outage	70.8	1	70.8
1197288	8/18/2016	Planned Outage	23.0	1	23.0
1197289	8/18/2016	Planned Outage	123.9	3	41.3
1197290	8/18/2016	Planned Outage	63.6	4	15.9

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2016 Planned Outages Table

1197292	8/18/2016	Planned Outage	20.1	1	20.1
1197298	8/18/2016	Planned Outage	14.0	1	14.0
1197301	8/18/2016	Planned Outage	176.7	8	22.1
1197322	8/18/2016	Planned Outage	70.6	1	70.6
1197347	8/19/2016	Planned Outage	256.3	1	256.3
1197369	8/19/2016	Planned Outage	66.4	3	22.1
1197376	8/19/2016	Planned Outage	9.5	3	3.2
1197378	8/19/2016	Planned Outage	123.0	1	123.0
1197380	8/19/2016	Planned Outage	123.2	1	123.2
1197382	8/19/2016	Planned Outage	18.5	1	18.5
1197391	8/19/2016	Planned Outage	114.1	4	28.5
1197393	8/19/2016	Planned Outage	89.1	1	89.1
1197394	8/19/2016	Planned Outage	37.7	2	18.9
1197395	8/19/2016	Planned Outage	51.6	2	25.8
1197411	8/19/2016	Planned Outage	67.3	3	22.4
1197427	8/19/2016	Planned Outage	107.7	13	8.3
1197429	8/19/2016	Planned Outage	39.0	1	39.0
1197606	8/20/2016	Planned Outage	51.7	1	51.7
1197766	8/22/2016	Planned Outage	39.4	1	39.4
1197769	8/22/2016	Planned Outage	5,808.0	176	33.0
1197776	8/22/2016	Planned Outage	698.1	9	77.6
1197777	8/22/2016	Planned Outage	202.0	3	67.3
1197779	8/22/2016	Planned Outage	13.3	1	13.3
1197780	8/22/2016	Planned Outage	752.7	18	41.8
1197788	8/22/2016	Planned Outage	442.4	4	110.6
1197790	8/22/2016	Planned Outage	18.6	1	18.6
1197791	8/22/2016	Planned Outage	497.8	5	99.6
1197800	8/22/2016	Planned Outage	90.0	1	90.0
1197804	8/22/2016	Planned Outage	43.2	1	43.2
1197805	8/22/2016	Planned Outage	168.8	6	28.1
1197810	8/22/2016	Planned Outage	90.2	3	30.1
1197811	8/22/2016	Planned Outage	30.0	1	30.0
1197812	8/22/2016	Planned Outage	60.3	5	12.1
1197814	8/22/2016	Planned Outage	554.3	6	92.4
1197817	8/22/2016	Planned Outage	10.0	1	10.0
1197818	8/22/2016	Planned Outage	97.3	3	32.4
1197819	8/22/2016	Planned Outage	157.6	5	31.5
1197824	8/22/2016	Planned Outage	606.1	17	35.7
1197825	8/22/2016	Planned Outage	54.9	8	6.9
1197831	8/22/2016	Planned Outage	14.0	1	14.0
1197832	8/22/2016	Planned Outage	103.1	2	51.6
1197842	8/22/2016	Planned Outage	27.1	3	9.0
1197865	8/22/2016	Planned Outage	674.6	6	112.4
1197927	8/22/2016	Planned Outage	19.9	1	19.9
1197938	8/23/2016	Planned Outage	70.3	1	70.3
1197947	8/23/2016	Planned Outage	736.8	5	147.4
1197948	8/23/2016	Planned Outage	270.0	1	270.0
1197949	8/23/2016	Planned Outage	331.2	19	17.4
1197950	8/23/2016	Planned Outage	67.1	1	67.1

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2016 Planned Outages Table

1197951	8/23/2016	Planned Outage	304.0	2	152.0
1197952	8/23/2016	Planned Outage	5,418.8	124	43.7
1197957	8/23/2016	Planned Outage	8.0	2	4.0
1197959	8/23/2016	Planned Outage	171.5	1	171.5
1197962	8/23/2016	Planned Outage	2,658.4	14	189.9
1197965	8/23/2016	Planned Outage	153.1	4	38.3
1197967	8/23/2016	Planned Outage	213.9	2	107.0
1197976	8/23/2016	Planned Outage	53.4	1	53.4
1197978	8/23/2016	Planned Outage	781.7	5	156.3
1197983	8/23/2016	Planned Outage	23.4	1	23.4
1197990	8/23/2016	Planned Outage	6.2	1	6.2
1197992	8/23/2016	Planned Outage	168.0	2	84.0
1197993	8/23/2016	Planned Outage	117.0	1	117.0
1197996	8/23/2016	Planned Outage	122.8	4	30.7
1197998	8/23/2016	Planned Outage	15.7	1	15.7
1198002	8/23/2016	Planned Outage	5.0	1	5.0
1198003	8/23/2016	Planned Outage	204.4	1	204.4
1198008	8/23/2016	Planned Outage	183.7	1	183.7
1198126	8/24/2016	Planned Outage	26.1	1	26.1
1198134	8/24/2016	Planned Outage	213.2	7	30.5
1198148	8/24/2016	Planned Outage	1,238.8	29	42.7
1198151	8/24/2016	Planned Outage	128.8	12	10.7
1198152	8/24/2016	Planned Outage	37.6	1	37.6
1198155	8/24/2016	Planned Outage	335.4	23	14.6
1198159	8/24/2016	Planned Outage	1,211.7	29	41.8
1198160	8/24/2016	Planned Outage	486.0	2	243.0
1198161	8/24/2016	Planned Outage	145.5	1	145.5
1198162	8/24/2016	Planned Outage	361.5	5	72.3
1198163	8/24/2016	Planned Outage	50.5	2	25.3
1198164	8/24/2016	Planned Outage	502.0	4	125.5
1198165	8/24/2016	Planned Outage	2,719.0	14	194.2
1198169	8/24/2016	Planned Outage	72.9	1	72.9
1198170	8/24/2016	Planned Outage	288.5	1	288.5
1198172	8/24/2016	Planned Outage	76.0	1	76.0
1198177	8/24/2016	Planned Outage	22.0	1	22.0
1198178	8/24/2016	Planned Outage	55.4	2	27.7
1198185	8/24/2016	Planned Outage	132.5	2	66.2
1198188	8/24/2016	Planned Outage	41.4	1	41.4
1198191	8/24/2016	Planned Outage	58.4	3	19.5
1198193	8/24/2016	Planned Outage	190.3	3	63.4
1198199	8/24/2016	Planned Outage	2,717.9	14	194.1
1198202	8/24/2016	Planned Outage	26.9	1	26.9
1198216	8/24/2016	Planned Outage	39.9	1	39.9
1198242	8/24/2016	Planned Outage	66.8	1	66.8
1198253	8/24/2016	Planned Outage	41.1	2	20.6
1198276	8/25/2016	Planned Outage	1,393.8	7	199.1
1198291	8/25/2016	Planned Outage	67.7	4	16.9
1198292	8/25/2016	Planned Outage	77.0	1	77.0
1198296	8/25/2016	Planned Outage	87.0	1	87.0

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2016 Planned Outages Table

1198297	8/25/2016	Planned Outage	82.0	1	82.0
1198298	8/25/2016	Planned Outage	408.5	2	204.3
1198301	8/25/2016	Planned Outage	6,627.1	46	144.1
1198306	8/25/2016	Planned Outage	255.9	2	128.0
1198316	8/25/2016	Planned Outage	42.2	3	14.1
1198318	8/25/2016	Planned Outage	210.5	1	210.5
1198322	8/25/2016	Planned Outage	2,473.8	126	19.6
1198325	8/25/2016	Planned Outage	65.8	2	32.9
1198326	8/25/2016	Planned Outage	3,368.2	37	91.0
1198333	8/25/2016	Planned Outage	54.3	7	7.8
1198334	8/25/2016	Planned Outage	96.2	1	96.2
1198342	8/25/2016	Planned Outage	17.3	2	8.7
1198343	8/25/2016	Planned Outage	22.3	1	22.3
1198345	8/25/2016	Planned Outage	4,426.2	108	41.0
1198353	8/25/2016	Planned Outage	41.5	1	41.5
1198371	8/25/2016	Planned Outage	29.6	1	29.6
1198375	8/25/2016	Planned Outage	99.9	3	33.3
1198378	8/25/2016	Planned Outage	18.3	1	18.3
1198380	8/25/2016	Planned Outage	45.0	2	22.5
1198381	8/25/2016	Planned Outage	168.0	3	56.0
1198387	8/25/2016	Planned Outage	150.0	3	50.0
1198411	8/25/2016	Planned Outage	76.0	1	76.0
1198458	8/25/2016	Planned Outage	43.0	1	43.0
1198519	8/26/2016	Planned Outage	1,148.0	5	229.6
1198521	8/26/2016	Planned Outage	26.0	1	26.0
1198534	8/26/2016	Planned Outage	452.7	4	113.2
1198541	8/26/2016	Planned Outage	835.5	8	104.4
1198544	8/26/2016	Planned Outage	268.9	7	38.4
1198547	8/26/2016	Planned Outage	181.9	2	91.0
1198549	8/26/2016	Planned Outage	72.3	2	36.2
1198550	8/26/2016	Planned Outage	740.7	7	105.8
1198552	8/26/2016	Planned Outage	383.7	3	127.9
1198553	8/26/2016	Planned Outage	46.0	1	46.0
1198566	8/26/2016	Planned Outage	907.0	4	226.8
1198569	8/26/2016	Planned Outage	29.5	1	29.5
1198578	8/26/2016	Planned Outage	4.2	1	4.2
1198585	8/26/2016	Planned Outage	29.6	1	29.6
1198590	8/26/2016	Planned Outage	11.9	1	11.9
1198600	8/26/2016	Planned Outage	8.7	1	8.7
1198601	8/26/2016	Planned Outage	46.4	1	46.4
1198608	8/26/2016	Planned Outage	15.2	1	15.2
1198610	8/26/2016	Planned Outage	313.2	6	52.2
1198616	8/26/2016	Planned Outage	1.3	1	1.3
1198637	8/26/2016	Planned Outage	19.9	1	19.9
1198658	8/27/2016	Planned Outage	41.0	1	41.0
1198697	8/27/2016	Planned Outage	415.0	5	83.0
1198717	8/27/2016	Planned Outage	43.5	2	21.7
1198851	8/29/2016	Planned Outage	92.6	1	92.6
1198854	8/29/2016	Planned Outage	17.0	1	17.0

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2016 Planned Outages Table

1198855	8/29/2016	Planned Outage	40.2	1	40.2
1198859	8/29/2016	Planned Outage	160.4	1	160.4
1198863	8/29/2016	Planned Outage	308.8	1	308.8
1198873	8/29/2016	Planned Outage	92.7	8	11.6
1198876	8/29/2016	Planned Outage	141.1	3	47.0
1198884	8/29/2016	Planned Outage	157.4	7	22.5
1198891	8/29/2016	Planned Outage	101.7	3	33.9
1198893	8/29/2016	Planned Outage	50.7	3	16.9
1198895	8/29/2016	Planned Outage	28.1	9	3.1
1198897	8/29/2016	Planned Outage	435.8	1	435.8
1198905	8/29/2016	Planned Outage	264.2	83	3.2
1198908	8/29/2016	Planned Outage	318.7	5	63.7
1198909	8/29/2016	Planned Outage	82.6	1	82.6
1198911	8/29/2016	Planned Outage	106.2	1	106.2
1198929	8/29/2016	Planned Outage	44.9	1	44.9
1198935	8/29/2016	Planned Outage	25.2	2	12.6
1199013	8/30/2016	Planned Outage	193.8	7	27.7
1199014	8/30/2016	Planned Outage	1,020.5	9	113.4
1199016	8/30/2016	Planned Outage	3,712.6	5	742.5
1199017	8/30/2016	Planned Outage	24.8	2	12.4
1199030	8/30/2016	Planned Outage	941.7	2	470.8
1199031	8/30/2016	Planned Outage	63.2	1	63.2
1199032	8/30/2016	Planned Outage	905.0	2	452.5
1199035	8/30/2016	Planned Outage	23.7	1	23.7
1199039	8/30/2016	Planned Outage	1,316.4	23	57.2
1199049	8/30/2016	Planned Outage	75.5	1	75.5
1199050	8/30/2016	Planned Outage	9,177.0	21	437.0
1199055	8/30/2016	Planned Outage	24.0	1	24.0
1199057	8/30/2016	Planned Outage	79.0	1	79.0
1199063	8/30/2016	Planned Outage	46.3	1	46.3
1199069	8/30/2016	Planned Outage	135.8	2	67.9
1199071	8/30/2016	Planned Outage	24.2	1	24.2
1199072	8/30/2016	Planned Outage	43.6	2	21.8
1199080	8/30/2016	Planned Outage	944.1	27	35.0
1199081	8/30/2016	Planned Outage	453.5	3	151.2
1199083	8/30/2016	Planned Outage	11.2	1	11.2
1199089	8/30/2016	Planned Outage	567.7	10	56.8
1199092	8/30/2016	Planned Outage	273.6	1	273.6
1199154	8/31/2016	Planned Outage	105.5	4	26.4
1199155	8/31/2016	Planned Outage	7.2	1	7.2
1199161	8/31/2016	Planned Outage	203.0	6	33.8
1199163	8/31/2016	Planned Outage	248.3	2	124.2
1199165	8/31/2016	Planned Outage	204.8	1	204.8
1199167	8/31/2016	Planned Outage	360.0	27	13.3
1199171	8/31/2016	Planned Outage	510.0	17	30.0
1199172	8/31/2016	Planned Outage	682.3	8	85.3
1199173	8/31/2016	Planned Outage	53.1	4	13.3
1199174	8/31/2016	Planned Outage	364.3	4	91.1
1199175	8/31/2016	Planned Outage	62.2	1	62.2

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2016 Planned Outages Table

1199178	8/31/2016	Planned Outage	119.4	3	39.8
1199179	8/31/2016	Planned Outage	4,368.9	131	33.4
1199182	8/31/2016	Planned Outage	17.7	1	17.7
1199183	8/31/2016	Planned Outage	13.4	1	13.4
1199186	8/31/2016	Planned Outage	317.9	7	45.4
1199189	8/31/2016	Planned Outage	141.9	3	47.3
1199191	8/31/2016	Planned Outage	75.6	1	75.6
1199192	8/31/2016	Planned Outage	605.6	3	201.9
1199196	8/31/2016	Planned Outage	161.0	7	23.0
1199200	8/31/2016	Planned Outage	21.6	1	21.6
1199201	8/31/2016	Planned Outage	565.0	5	113.0
1199204	8/31/2016	Planned Outage	11.3	1	11.3
1199206	8/31/2016	Planned Outage	544.7	10	54.5
1199219	8/31/2016	Planned Outage	7.1	1	7.1
1199222	8/31/2016	Planned Outage	128.4	8	16.1
1199223	8/31/2016	Planned Outage	7.2	1	7.2
1199224	8/31/2016	Planned Outage	90.6	1	90.6
1199227	8/31/2016	Planned Outage	10.7	1	10.7
1199230	8/31/2016	Planned Outage	6.0	1	6.0
1199236	8/31/2016	Planned Outage	59.0	1	59.0
1199241	8/31/2016	Planned Outage	89.3	1	89.3
1199255	8/31/2016	Planned Outage	134.9	1	134.9
1199278	9/1/2016	Planned Outage	814.4	6	135.7
1199283	9/1/2016	Planned Outage	22.7	3	7.6
1199285	9/1/2016	Planned Outage	56.8	1	56.8
1199287	9/1/2016	Planned Outage	71.3	1	71.3
1199288	9/1/2016	Planned Outage	297.0	3	99.0
1199289	9/1/2016	Planned Outage	287.5	4	71.9
1199291	9/1/2016	Planned Outage	98.4	4	24.6
1199293	9/1/2016	Planned Outage	6,000.1	87	69.0
1199297	9/1/2016	Planned Outage	93.8	2	46.9
1199306	9/1/2016	Planned Outage	10.1	1	10.1
1199318	9/1/2016	Planned Outage	19.8	3	6.6
1199320	9/1/2016	Planned Outage	10.4	1	10.4
1199356	9/1/2016	Planned Outage	16.9	1	16.9
1199365	9/1/2016	Planned Outage	10,171.4	65	156.5
1199366	9/1/2016	Planned Outage	466.7	3	155.6
1199367	9/1/2016	Planned Outage	320.5	2	160.2
1199403	9/2/2016	Planned Outage	49.9	4	12.5
1199410	9/2/2016	Planned Outage	26.5	1	26.5
1199413	9/2/2016	Planned Outage	30.5	1	30.5
1199418	9/2/2016	Planned Outage	398.7	9	44.3
1199432	9/2/2016	Planned Outage	17.1	1	17.1
1199443	9/2/2016	Planned Outage	575.0	6	95.8
1199444	9/2/2016	Planned Outage	34.2	2	17.1
1199703	9/3/2016	Planned Outage	246.5	6	41.1
1200096	9/5/2016	Planned Outage	67.7	4	16.9
1200148	9/6/2016	Planned Outage	260.7	3	86.9
1200150	9/6/2016	Planned Outage	336.7	3	112.2

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2016 Planned Outages Table

1200152	9/6/2016	Planned Outage	123.8	3	41.3
1200155	9/6/2016	Planned Outage	121.5	5	24.3
1200158	9/6/2016	Planned Outage	43.1	1	43.1
1200160	9/6/2016	Planned Outage	409.0	1	409.0
1200161	9/6/2016	Planned Outage	32.5	1	32.5
1200163	9/6/2016	Planned Outage	74.0	3	24.7
1200169	9/6/2016	Planned Outage	31.5	3	10.5
1200171	9/6/2016	Planned Outage	64.7	3	21.6
1200176	9/6/2016	Planned Outage	235.2	7	33.6
1200192	9/6/2016	Planned Outage	59.5	4	14.9
1200194	9/6/2016	Planned Outage	343.1	9	38.1
1200196	9/6/2016	Planned Outage	95.7	1	95.7
1200206	9/6/2016	Planned Outage	21.1	1	21.1
1200213	9/6/2016	Planned Outage	858.0	6	143.0
1200220	9/6/2016	Planned Outage	374.3	5	74.9
1200234	9/6/2016	Planned Outage	19.8	2	9.9
1200237	9/6/2016	Planned Outage	18.5	2	9.3
1200246	9/6/2016	Planned Outage	5.1	1	5.1
1200282	9/7/2016	Planned Outage	122.1	2	61.1
1200288	9/7/2016	Planned Outage	83.0	1	83.0
1200294	9/7/2016	Planned Outage	322.3	5	64.5
1200297	9/7/2016	Planned Outage	284.6	2	142.3
1200299	9/7/2016	Planned Outage	378.3	2	189.2
1200305	9/7/2016	Planned Outage	75.0	1	75.0
1200353	9/7/2016	Planned Outage	33.8	12	2.8
1200361	9/7/2016	Planned Outage	199.2	7	28.5
1200383	9/7/2016	Planned Outage	102.5	3	34.2
1200385	9/7/2016	Planned Outage	569.1	11	51.7
1200386	9/7/2016	Planned Outage	409.9	8	51.2
1200391	9/7/2016	Planned Outage	53.9	1	53.9
1200398	9/7/2016	Planned Outage	53.6	1	53.6
1200408	9/7/2016	Planned Outage	40.6	1	40.6
1200441	9/8/2016	Planned Outage	103.8	1	103.8
1200443	9/8/2016	Planned Outage	295.1	5	59.0
1200444	9/8/2016	Planned Outage	235.7	4	58.9
1200446	9/8/2016	Planned Outage	198.0	2	99.0
1200449	9/8/2016	Planned Outage	12.0	1	12.0
1200451	9/8/2016	Planned Outage	4,207.9	76	55.4
1200455	9/8/2016	Planned Outage	207.7	2	103.8
1200457	9/8/2016	Planned Outage	127.1	1	127.1
1200461	9/8/2016	Planned Outage	229.5	4	57.4
1200462	9/8/2016	Planned Outage	500.8	10	50.1
1200467	9/8/2016	Planned Outage	26.8	1	26.8
1200469	9/8/2016	Planned Outage	359.5	1	359.5
1200470	9/8/2016	Planned Outage	164.3	2	82.2
1200472	9/8/2016	Planned Outage	80.3	1	80.3
1200475	9/8/2016	Planned Outage	82.4	8	10.3
1200477	9/8/2016	Planned Outage	915.3	7	130.8
1200483	9/8/2016	Planned Outage	337.3	5	67.5

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2016 Planned Outages Table

1200484	9/8/2016	Planned Outage	337.8	5	67.6
1200485	9/8/2016	Planned Outage	544.1	27	20.2
1200487	9/8/2016	Planned Outage	46.7	1	46.7
1200496	9/8/2016	Planned Outage	955.4	4	238.9
1200497	9/8/2016	Planned Outage	24.0	1	24.0
1200499	9/8/2016	Planned Outage	459.3	2	229.7
1200500	9/8/2016	Planned Outage	679.1	3	226.4
1200502	9/8/2016	Planned Outage	3.9	1	3.9
1200503	9/8/2016	Planned Outage	450.4	2	225.2
1200511	9/8/2016	Planned Outage	62.6	1	62.6
1200546	9/8/2016	Planned Outage	885.3	26	34.1
1200550	9/8/2016	Planned Outage	32.9	1	32.9
1200568	9/9/2016	Planned Outage	168.0	3	56.0
1200571	9/9/2016	Planned Outage	218.2	3	72.7
1200573	9/9/2016	Planned Outage	124.0	2	62.0
1200579	9/9/2016	Planned Outage	13.2	1	13.2
1200580	9/9/2016	Planned Outage	13.5	1	13.5
1200581	9/9/2016	Planned Outage	152.0	1	152.0
1200583	9/9/2016	Planned Outage	15.2	1	15.2
1200586	9/9/2016	Planned Outage	115.6	1	115.6
1200587	9/9/2016	Planned Outage	115.3	1	115.3
1200592	9/9/2016	Planned Outage	198.0	9	22.0
1200593	9/9/2016	Planned Outage	84.0	1	84.0
1200856	9/12/2016	Planned Outage	204.3	1	204.3
1200865	9/12/2016	Planned Outage	41.7	3	13.9
1200871	9/12/2016	Planned Outage	99.4	1	99.4
1200872	9/12/2016	Planned Outage	169.0	3	56.3
1200873	9/12/2016	Planned Outage	42.5	1	42.5
1200887	9/12/2016	Planned Outage	370.8	1	370.8
1200889	9/12/2016	Planned Outage	59.8	5	12.0
1200893	9/12/2016	Planned Outage	33.3	1	33.3
1200895	9/12/2016	Planned Outage	29.3	1	29.3
1200899	9/12/2016	Planned Outage	23.3	4	5.8
1200911	9/12/2016	Planned Outage	246.5	3	82.2
1200917	9/12/2016	Planned Outage	43.2	2	21.6
1200921	9/12/2016	Planned Outage	133.4	1	133.4
1200928	9/12/2016	Planned Outage	1,253.5	34	36.9
1200930	9/12/2016	Planned Outage	61.1	8	7.6
1200937	9/12/2016	Planned Outage	52.4	1	52.4
1200945	9/12/2016	Planned Outage	169.1	23	7.4
1200957	9/12/2016	Planned Outage	204.1	1	204.1
1200960	9/12/2016	Planned Outage	70.5	3	23.5
1201039	9/12/2016	Planned Outage	168.1	2	84.1
1201044	9/12/2016	Planned Outage	131.4	2	65.7
1201072	9/13/2016	Planned Outage	31.1	1	31.1
1201073	9/13/2016	Planned Outage	106.9	4	26.7
1201076	9/13/2016	Planned Outage	90.6	1	90.6
1201078	9/13/2016	Planned Outage	37.4	2	18.7
1201079	9/13/2016	Planned Outage	488.2	2	244.1

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2016 Planned Outages Table

1201080	9/13/2016	Planned Outage	244.0	1	244.0
1201082	9/13/2016	Planned Outage	463.2	1	463.2
1201083	9/13/2016	Planned Outage	393.8	15	26.3
1201085	9/13/2016	Planned Outage	71.1	9	7.9
1201087	9/13/2016	Planned Outage	10.4	1	10.4
1201088	9/13/2016	Planned Outage	191.1	4	47.8
1201089	9/13/2016	Planned Outage	763.4	5	152.7
1201090	9/13/2016	Planned Outage	674.3	6	112.4
1201092	9/13/2016	Planned Outage	318.2	4	79.6
1201096	9/13/2016	Planned Outage	75.7	1	75.7
1201099	9/13/2016	Planned Outage	405.1	4	101.3
1201100	9/13/2016	Planned Outage	97.1	8	12.1
1201101	9/13/2016	Planned Outage	38.9	3	13.0
1201107	9/13/2016	Planned Outage	93.9	1	93.9
1201113	9/13/2016	Planned Outage	45.3	1	45.3
1201117	9/13/2016	Planned Outage	34.8	1	34.8
1201121	9/13/2016	Planned Outage	64.3	4	16.1
1201123	9/13/2016	Planned Outage	45.0	1	45.0
1201130	9/13/2016	Planned Outage	109.2	3	36.4
1201134	9/13/2016	Planned Outage	297.1	4	74.3
1201157	9/13/2016	Planned Outage	11.5	1	11.5
1201182	9/13/2016	Planned Outage	249.4	3	83.1
1201239	9/14/2016	Planned Outage	145.8	5	29.2
1201249	9/14/2016	Planned Outage	62.0	1	62.0
1201252	9/14/2016	Planned Outage	32.1	1	32.1
1201253	9/14/2016	Planned Outage	3.4	1	3.4
1201254	9/14/2016	Planned Outage	147.1	1	147.1
1201255	9/14/2016	Planned Outage	170.6	3	56.9
1201256	9/14/2016	Planned Outage	123.6	11	11.2
1201257	9/14/2016	Planned Outage	608.8	7	87.0
1201259	9/14/2016	Planned Outage	32.3	2	16.2
1201266	9/14/2016	Planned Outage	581.2	12	48.4
1201267	9/14/2016	Planned Outage	9.8	2	4.9
1201270	9/14/2016	Planned Outage	18.4	2	9.2
1201273	9/14/2016	Planned Outage	169.3	3	56.4
1201279	9/14/2016	Planned Outage	632.7	74	8.6
1201288	9/14/2016	Planned Outage	2,525.9	32	78.9
1201292	9/14/2016	Planned Outage	129.2	2	64.6
1201294	9/14/2016	Planned Outage	77.0	2	38.5
1201297	9/14/2016	Planned Outage	119.0	1	119.0
1201298	9/14/2016	Planned Outage	5.1	2	2.6
1201301	9/14/2016	Planned Outage	38.9	1	38.9
1201320	9/14/2016	Planned Outage	1,076.7	8	134.6
1201322	9/14/2016	Planned Outage	151.2	3	50.4
1201328	9/14/2016	Planned Outage	197.2	97	2.0
1201348	9/14/2016	Planned Outage	164.9	1	164.9
1201352	9/14/2016	Planned Outage	243.1	4	60.8
1201410	9/15/2016	Planned Outage	383.4	3	127.8
1201413	9/15/2016	Planned Outage	1,454.5	19	76.6

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2016 Planned Outages Table

1201420	9/15/2016	Planned Outage	91.0	2	45.5
1201422	9/15/2016	Planned Outage	90.8	2	45.4
1201423	9/15/2016	Planned Outage	99.0	3	33.0
1201426	9/15/2016	Planned Outage	695.1	5	139.0
1201438	9/15/2016	Planned Outage	33.0	1	33.0
1201439	9/15/2016	Planned Outage	428.1	2	214.0
1201442	9/15/2016	Planned Outage	341.6	2	170.8
1201444	9/15/2016	Planned Outage	169.4	1	169.4
1201448	9/15/2016	Planned Outage	3,138.0	10	313.8
1201449	9/15/2016	Planned Outage	53.4	1	53.4
1201451	9/15/2016	Planned Outage	172.7	1	172.7
1201457	9/15/2016	Planned Outage	706.1	4	176.5
1201473	9/15/2016	Planned Outage	46.7	2	23.4
1201475	9/15/2016	Planned Outage	71.9	1	71.9
1201484	9/15/2016	Planned Outage	40.7	1	40.7
1201499	9/15/2016	Planned Outage	122.8	1	122.8
1201502	9/15/2016	Planned Outage	151.0	1	151.0
1201535	9/16/2016	Planned Outage	2,081.0	12	173.4
1201539	9/16/2016	Planned Outage	65.9	4	16.5
1201545	9/16/2016	Planned Outage	432.5	50	8.7
1201573	9/16/2016	Planned Outage	57.8	3	19.3
1201873	9/18/2016	Planned Outage	1,062.5	4	265.6
1201966	9/18/2016	Planned Outage	23.5	1	23.5
1201998	9/19/2016	Planned Outage	41.4	1	41.4
1202009	9/19/2016	Planned Outage	57.1	1	57.1
1202014	9/19/2016	Planned Outage	204.9	3	68.3
1202022	9/19/2016	Planned Outage	140.0	3	46.7
1202026	9/19/2016	Planned Outage	6.4	1	6.4
1202029	9/19/2016	Planned Outage	563.8	4	141.0
1202031	9/19/2016	Planned Outage	793.3	8	99.2
1202034	9/19/2016	Planned Outage	8.1	1	8.1
1202035	9/19/2016	Planned Outage	27.8	2	13.9
1202041	9/19/2016	Planned Outage	68.0	1	68.0
1202083	9/19/2016	Planned Outage	25.3	1	25.3
1202086	9/19/2016	Planned Outage	28.4	1	28.4
1202095	9/19/2016	Planned Outage	15.0	1	15.0
1202129	9/19/2016	Planned Outage	819.7	3	273.2
1202151	9/20/2016	Planned Outage	880.5	5	176.1
1202167	9/20/2016	Planned Outage	2.7	1	2.7
1202175	9/20/2016	Planned Outage	43.6	4	10.9
1202178	9/20/2016	Planned Outage	39.9	1	39.9
1202182	9/20/2016	Planned Outage	208.4	4	52.1
1202183	9/20/2016	Planned Outage	161.5	1	161.5
1202184	9/20/2016	Planned Outage	12.3	1	12.3
1202187	9/20/2016	Planned Outage	1,227.2	7	175.3
1202199	9/20/2016	Planned Outage	75.2	1	75.2
1202200	9/20/2016	Planned Outage	73.5	1	73.5
1202207	9/20/2016	Planned Outage	54.9	2	27.5
1202212	9/20/2016	Planned Outage	59.3	1	59.3

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2016 Planned Outages Table

1202213	9/20/2016	Planned Outage	2,148.3	25	85.9
1202219	9/20/2016	Planned Outage	191.4	5	38.3
1202235	9/20/2016	Planned Outage	25.8	1	25.8
1202241	9/20/2016	Planned Outage	34.6	1	34.6
1202242	9/20/2016	Planned Outage	34.0	1	34.0
1202244	9/20/2016	Planned Outage	15.1	1	15.1
1202248	9/20/2016	Planned Outage	135.2	2	67.6
1202252	9/20/2016	Planned Outage	216.3	6	36.1
1202261	9/20/2016	Planned Outage	411.3	5	82.3
1202263	9/20/2016	Planned Outage	175.5	5	35.1
1202266	9/20/2016	Planned Outage	22.0	1	22.0
1202269	9/20/2016	Planned Outage	61.2	1	61.2
1202284	9/20/2016	Planned Outage	79.8	1	79.8
1202301	9/21/2016	Planned Outage	534.9	3	178.3
1202306	9/21/2016	Planned Outage	311.9	4	78.0
1202321	9/21/2016	Planned Outage	277.0	1	277.0
1202326	9/21/2016	Planned Outage	18.3	4	4.6
1202327	9/21/2016	Planned Outage	144.7	1	144.7
1202328	9/21/2016	Planned Outage	2,061.3	16	128.8
1202331	9/21/2016	Planned Outage	252.2	4	63.1
1202335	9/21/2016	Planned Outage	232.0	2	116.0
1202339	9/21/2016	Planned Outage	72.3	1	72.3
1202340	9/21/2016	Planned Outage	23.9	1	23.9
1202341	9/21/2016	Planned Outage	217.0	4	54.3
1202343	9/21/2016	Planned Outage	14.5	1	14.5
1202344	9/21/2016	Planned Outage	179.7	2	89.9
1202348	9/21/2016	Planned Outage	108.9	5	21.8
1202351	9/21/2016	Planned Outage	243.4	1	243.4
1202369	9/21/2016	Planned Outage	396.0	3	132.0
1202373	9/21/2016	Planned Outage	55.0	7	7.9
1202375	9/21/2016	Planned Outage	12.4	1	12.4
1202379	9/21/2016	Planned Outage	38.1	1	38.1
1202383	9/21/2016	Planned Outage	62.2	1	62.2
1202432	9/21/2016	Planned Outage	317.5	3	105.8
1202450	9/21/2016	Planned Outage	63.0	3	21.0
1202453	9/21/2016	Planned Outage	11.6	1	11.6
1202462	9/21/2016	Planned Outage	58.7	4	14.7
1202478	9/22/2016	Planned Outage	1,391.3	5	278.3
1202510	9/22/2016	Planned Outage	25.8	2	12.9
1202517	9/22/2016	Planned Outage	142.8	1	142.8
1202518	9/22/2016	Planned Outage	287.6	3	95.9
1202521	9/22/2016	Planned Outage	11.7	1	11.7
1202551	9/22/2016	Planned Outage	1,375.3	8	171.9
1202553	9/22/2016	Planned Outage	169.6	1	169.6
1202555	9/22/2016	Planned Outage	169.5	1	169.5
1202556	9/22/2016	Planned Outage	486.3	3	162.1
1202562	9/22/2016	Planned Outage	333.3	6	55.6
1202566	9/22/2016	Planned Outage	100.0	2	50.0
1202574	9/22/2016	Planned Outage	6.5	1	6.5

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2016 Planned Outages Table

1202576	9/22/2016	Planned Outage	24.7	1	24.7
1202577	9/22/2016	Planned Outage	45.7	4	11.4
1202602	9/22/2016	Planned Outage	51.2	1	51.2
1202604	9/22/2016	Planned Outage	53.9	1	53.9
1202607	9/22/2016	Planned Outage	3,251.7	112	29.0
1202610	9/22/2016	Planned Outage	19.6	1	19.6
1202614	9/22/2016	Planned Outage	840.0	4	210.0
1202615	9/22/2016	Planned Outage	39.7	2	19.9
1202619	9/22/2016	Planned Outage	6.7	1	6.7
1202642	9/22/2016	Planned Outage	116.5	4	29.1
1202662	9/23/2016	Planned Outage	243.2	5	48.6
1202667	9/23/2016	Planned Outage	425.0	10	42.5
1202671	9/23/2016	Planned Outage	96.1	1	96.1
1202679	9/23/2016	Planned Outage	151.0	3	50.3
1202683	9/23/2016	Planned Outage	372.7	3	124.2
1202706	9/23/2016	Planned Outage	14.3	1	14.3
1202707	9/23/2016	Planned Outage	115.0	3	38.3
1202709	9/23/2016	Planned Outage	705.5	6	117.6
1202710	9/23/2016	Planned Outage	28.3	1	28.3
1202713	9/23/2016	Planned Outage	39.6	1	39.6
1202715	9/23/2016	Planned Outage	1,239.5	4	309.9
1202720	9/23/2016	Planned Outage	27.9	1	27.9
1202723	9/23/2016	Planned Outage	103.3	5	20.7
1202725	9/23/2016	Planned Outage	744.0	4	186.0
1202727	9/23/2016	Planned Outage	48.0	3	16.0
1202809	9/23/2016	Planned Outage	297.8	1	297.8
1202810	9/23/2016	Planned Outage	50.4	1	50.4
1202812	9/23/2016	Planned Outage	192.3	1	192.3
1202813	9/23/2016	Planned Outage	20.2	1	20.2
1202815	9/23/2016	Planned Outage	89.2	1	89.2
1202816	9/23/2016	Planned Outage	21.1	1	21.1
1202835	9/23/2016	Planned Outage	2.3	1	2.3
1202841	9/23/2016	Planned Outage	126.4	3	42.1
1202847	9/23/2016	Planned Outage	228.2	1	228.2
1202850	9/23/2016	Planned Outage	19.2	1	19.2
1202852	9/23/2016	Planned Outage	180.7	1	180.7
1202866	9/23/2016	Planned Outage	11.3	1	11.3
1202879	9/23/2016	Planned Outage	36.8	1	36.8
1202900	9/24/2016	Planned Outage	213.2	1	213.2
1202927	9/24/2016	Planned Outage	38.6	1	38.6
1202934	9/24/2016	Planned Outage	1.8	1	1.8
1202935	9/24/2016	Planned Outage	423.0	7	60.4
1203066	9/24/2016	Planned Outage	640.5	63	10.2
1203069	9/25/2016	Planned Outage	98.3	3	32.8
1203074	9/25/2016	Planned Outage	5,220.8	14	372.9
1203076	9/25/2016	Planned Outage	6,496.5	18	360.9
1203079	9/25/2016	Planned Outage	357.3	1	357.3
1203185	9/26/2016	Planned Outage	91.6	1	91.6
1203215	9/26/2016	Planned Outage	46.5	2	23.2

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2016 Planned Outages Table

1203221	9/26/2016	Planned Outage	48.5	1	48.5
1203226	9/26/2016	Planned Outage	84.8	2	42.4
1203229	9/26/2016	Planned Outage	526.9	4	131.7
1203230	9/26/2016	Planned Outage	64.1	1	64.1
1203231	9/26/2016	Planned Outage	972.1	6	162.0
1203233	9/26/2016	Planned Outage	22.9	3	7.6
1203234	9/26/2016	Planned Outage	131.2	1	131.2
1203235	9/26/2016	Planned Outage	23.2	1	23.2
1203237	9/26/2016	Planned Outage	337.1	1	337.1
1203238	9/26/2016	Planned Outage	559.2	16	35.0
1203239	9/26/2016	Planned Outage	611.7	17	36.0
1203240	9/26/2016	Planned Outage	766.4	8	95.8
1203241	9/26/2016	Planned Outage	53.0	1	53.0
1203243	9/26/2016	Planned Outage	18.7	1	18.7
1203248	9/26/2016	Planned Outage	370.2	6	61.7
1203249	9/26/2016	Planned Outage	30.2	1	30.2
1203252	9/26/2016	Planned Outage	465.1	6	77.5
1203255	9/26/2016	Planned Outage	326.2	2	163.1
1203259	9/26/2016	Planned Outage	231.9	8	29.0
1203267	9/26/2016	Planned Outage	238.1	4	59.5
1203268	9/26/2016	Planned Outage	211.9	4	53.0
1203274	9/26/2016	Planned Outage	232.0	58	4.0
1203293	9/26/2016	Planned Outage	68.2	1	68.2
1203309	9/26/2016	Planned Outage	195.4	1	195.4
1203319	9/26/2016	Planned Outage	409.6	7	58.5
1203362	9/26/2016	Planned Outage	88.6	1	88.6
1203363	9/26/2016	Planned Outage	88.5	1	88.5
1203755	9/27/2016	Planned Outage	329.8	1	329.8
1203756	9/27/2016	Planned Outage	313.6	2	156.8
1203769	9/27/2016	Planned Outage	393.2	12	32.8
1203778	9/27/2016	Planned Outage	243.8	2	121.9
1203789	9/27/2016	Planned Outage	97.2	2	48.6
1203791	9/27/2016	Planned Outage	93.3	1	93.3
1203792	9/27/2016	Planned Outage	6,623.6	14	473.1
1203796	9/27/2016	Planned Outage	76.0	1	76.0
1203797	9/27/2016	Planned Outage	75.3	1	75.3
1203798	9/27/2016	Planned Outage	374.7	4	93.7
1203799	9/27/2016	Planned Outage	34.8	2	17.4
1203801	9/27/2016	Planned Outage	1,192.0	11	108.4
1203812	9/27/2016	Planned Outage	38.8	1	38.8
1203816	9/27/2016	Planned Outage	24.6	2	12.3
1203819	9/27/2016	Planned Outage	42.0	1	42.0
1203823	9/27/2016	Planned Outage	65.3	6	10.9
1203826	9/27/2016	Planned Outage	231.9	3	77.3
1203832	9/27/2016	Planned Outage	44.0	1	44.0
1203840	9/27/2016	Planned Outage	248.3	6	41.4
1203841	9/27/2016	Planned Outage	29.1	1	29.1
1203864	9/27/2016	Planned Outage	344.0	8	43.0
1203871	9/27/2016	Planned Outage	131.1	4	32.8

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2016 Planned Outages Table

1203905	9/27/2016	Planned Outage	445.0	5	89.0
1203925	9/28/2016	Planned Outage	1,906.0	10	190.6
1203926	9/28/2016	Planned Outage	245.9	1	245.9
1203964	9/28/2016	Planned Outage	915.7	4	228.9
1203967	9/28/2016	Planned Outage	27.1	4	6.8
1203975	9/28/2016	Planned Outage	185.2	8	23.2
1203982	9/28/2016	Planned Outage	29.3	1	29.3
1203983	9/28/2016	Planned Outage	38.9	2	19.5
1203985	9/28/2016	Planned Outage	17.5	1	17.5
1203986	9/28/2016	Planned Outage	3,861.7	35	110.3
1203987	9/28/2016	Planned Outage	54.6	1	54.6
1203988	9/28/2016	Planned Outage	98.5	4	24.6
1203990	9/28/2016	Planned Outage	31.9	1	31.9
1203992	9/28/2016	Planned Outage	38.0	1	38.0
1203993	9/28/2016	Planned Outage	36.0	3	12.0
1203994	9/28/2016	Planned Outage	428.7	8	53.6
1204054	9/28/2016	Planned Outage	35.1	1	35.1
1204056	9/28/2016	Planned Outage	715.4	169	4.2
1204057	9/28/2016	Planned Outage	65.8	10	6.6
1204058	9/28/2016	Planned Outage	1,183.0	169	7.0
1204061	9/28/2016	Planned Outage	32.8	1	32.8
1204066	9/28/2016	Planned Outage	24.4	1	24.4
1204067	9/28/2016	Planned Outage	9.3	1	9.3
1204070	9/28/2016	Planned Outage	133.8	1	133.8
1204072	9/28/2016	Planned Outage	294.5	4	73.6
1204074	9/28/2016	Planned Outage	69.5	2	34.8
1204081	9/28/2016	Planned Outage	345.7	3	115.2
1204083	9/28/2016	Planned Outage	963.1	13	74.1
1204107	9/28/2016	Planned Outage	44.5	3	14.8
1204158	9/29/2016	Planned Outage	70.8	1	70.8
1204181	9/29/2016	Planned Outage	36.2	1	36.2
1204185	9/29/2016	Planned Outage	267.0	3	89.0
1204192	9/29/2016	Planned Outage	434.1	4	108.5
1204193	9/29/2016	Planned Outage	697.0	68	10.3
1204195	9/29/2016	Planned Outage	36.2	1	36.2
1204198	9/29/2016	Planned Outage	681.8	5	136.4
1204199	9/29/2016	Planned Outage	535.7	4	133.9
1204201	9/29/2016	Planned Outage	22.6	1	22.6
1204203	9/29/2016	Planned Outage	90.5	3	30.2
1204205	9/29/2016	Planned Outage	28.7	1	28.7
1204206	9/29/2016	Planned Outage	130.3	1	130.3
1204209	9/29/2016	Planned Outage	396.7	3	132.2
1204210	9/29/2016	Planned Outage	298.3	2	149.1
1204223	9/29/2016	Planned Outage	109.7	3	36.6
1204229	9/29/2016	Planned Outage	48.4	4	12.1
1204623	9/29/2016	Planned Outage	77.8	3	25.9
1204627	9/29/2016	Planned Outage	16.4	2	8.2
1204630	9/29/2016	Planned Outage	289.0	1	289.0
1204661	9/30/2016	Planned Outage	2,263.3	7	323.3

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2016 Planned Outages Table

1204662	9/30/2016	Planned Outage	645.8	2	322.9
1204663	9/30/2016	Planned Outage	3,727.2	22	169.4
1204666	9/30/2016	Planned Outage	55.0	1	55.0
1204667	9/30/2016	Planned Outage	128.5	1	128.5
1204668	9/30/2016	Planned Outage	35.0	7	5.0
1204715	9/30/2016	Planned Outage	48.2	1	48.2
1204733	9/30/2016	Planned Outage	231.6	6	38.6
1204736	9/30/2016	Planned Outage	512.5	10	51.3
1204744	9/30/2016	Planned Outage	4,139.7	20	207.0
1204745	9/30/2016	Planned Outage	21.6	1	21.6
1204746	9/30/2016	Planned Outage	18.5	1	18.5
1204748	9/30/2016	Planned Outage	97.8	1	97.8
1204750	9/30/2016	Planned Outage	223.7	3	74.6
1204751	9/30/2016	Planned Outage	235.2	5	47.0
1204752	9/30/2016	Planned Outage	96.0	6	16.0
1204753	9/30/2016	Planned Outage	64.0	4	16.0
1204754	9/30/2016	Planned Outage	192.0	12	16.0
1204755	9/30/2016	Planned Outage	77.0	7	11.0
1204758	9/30/2016	Planned Outage	4.1	1	4.1
1204759	9/30/2016	Planned Outage	22.0	1	22.0
1204761	9/30/2016	Planned Outage	34.2	1	34.2
1204771	9/30/2016	Planned Outage	34.8	1	34.8
1204777	9/30/2016	Planned Outage	131.9	2	66.0
1204780	9/30/2016	Planned Outage	23.7	1	23.7
1205014	10/1/2016	Planned Outage	22.6	1	22.6
1205049	10/1/2016	Planned Outage	12.8	1	12.8
1205050	10/1/2016	Planned Outage	305.8	1	305.8
1205059	10/1/2016	Planned Outage	141.4	4	35.4
1205367	10/3/2016	Planned Outage	174.0	4	43.5
1205371	10/3/2016	Planned Outage	30.6	3	10.2
1205372	10/3/2016	Planned Outage	15.4	1	15.4
1205373	10/3/2016	Planned Outage	13.1	1	13.1
1205382	10/3/2016	Planned Outage	740.4	8	92.6
1205383	10/3/2016	Planned Outage	446.7	9	49.6
1205387	10/3/2016	Planned Outage	122.3	3	40.8
1205390	10/3/2016	Planned Outage	457.8	9	50.9
1205395	10/3/2016	Planned Outage	628.6	14	44.9
1205396	10/3/2016	Planned Outage	364.7	8	45.6
1205398	10/3/2016	Planned Outage	125.0	1	125.0
1205401	10/3/2016	Planned Outage	488.5	4	122.1
1205405	10/3/2016	Planned Outage	199.0	1	199.0
1205407	10/3/2016	Planned Outage	65.3	1	65.3
1205413	10/3/2016	Planned Outage	475.4	17	28.0
1205416	10/3/2016	Planned Outage	95.7	1	95.7
1205418	10/3/2016	Planned Outage	110.9	1	110.9
1205421	10/3/2016	Planned Outage	624.3	15	41.6
1205432	10/3/2016	Planned Outage	2,254.6	22	102.5
1205434	10/3/2016	Planned Outage	159.7	4	39.9
1205447	10/3/2016	Planned Outage	2,248.0	22	102.2

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2016 Planned Outages Table

1205480	10/3/2016	Planned Outage	697.5	10	69.8
1205497	10/3/2016	Planned Outage	56.4	1	56.4
1205506	10/4/2016	Planned Outage	411.1	3	137.0
1205523	10/4/2016	Planned Outage	1,283.9	6	214.0
1205527	10/4/2016	Planned Outage	572.8	12	47.7
1205528	10/4/2016	Planned Outage	190.5	2	95.3
1205530	10/4/2016	Planned Outage	942.4	47	20.1
1205533	10/4/2016	Planned Outage	139.8	1	139.8
1205536	10/4/2016	Planned Outage	758.8	8	94.9
1205537	10/4/2016	Planned Outage	2,101.2	14	150.1
1205540	10/4/2016	Planned Outage	12,351.1	87	142.0
1205541	10/4/2016	Planned Outage	280.4	2	140.2
1205546	10/4/2016	Planned Outage	494.2	4	123.6
1205552	10/4/2016	Planned Outage	325.2	4	81.3
1205560	10/4/2016	Planned Outage	1,513.1	131	11.6
1205562	10/4/2016	Planned Outage	62.2	3	20.7
1205563	10/4/2016	Planned Outage	224.4	3	74.8
1205566	10/4/2016	Planned Outage	7.7	1	7.7
1205567	10/4/2016	Planned Outage	12.5	1	12.5
1205575	10/4/2016	Planned Outage	1,995.2	10	199.5
1205576	10/4/2016	Planned Outage	176.6	1	176.6
1205579	10/4/2016	Planned Outage	17.4	1	17.4
1205582	10/4/2016	Planned Outage	23.0	1	23.0
1205583	10/4/2016	Planned Outage	13.3	1	13.3
1205584	10/4/2016	Planned Outage	62.8	3	20.9
1205592	10/4/2016	Planned Outage	650.9	5	130.2
1205629	10/5/2016	Planned Outage	515.8	6	86.0
1205640	10/5/2016	Planned Outage	31.5	2	15.8
1205648	10/5/2016	Planned Outage	448.7	5	89.7
1205649	10/5/2016	Planned Outage	238.0	6	39.7
1205650	10/5/2016	Planned Outage	937.5	9	104.2
1205653	10/5/2016	Planned Outage	73.3	2	36.6
1205659	10/5/2016	Planned Outage	285.8	4	71.5
1205661	10/5/2016	Planned Outage	756.2	17	44.5
1205663	10/5/2016	Planned Outage	131.2	3	43.7
1205667	10/5/2016	Planned Outage	280.7	1	280.7
1205669	10/5/2016	Planned Outage	136.0	5	27.2
1205689	10/5/2016	Planned Outage	281.1	4	70.3
1205692	10/5/2016	Planned Outage	29.2	1	29.2
1205698	10/5/2016	Planned Outage	95.1	3	31.7
1205701	10/5/2016	Planned Outage	590.3	3	196.8
1205708	10/5/2016	Planned Outage	112.5	4	28.1
1205718	10/5/2016	Planned Outage	49.3	1	49.3
1205724	10/5/2016	Planned Outage	412.8	5	82.6
1205746	10/5/2016	Planned Outage	396.0	9	44.0
1205772	10/6/2016	Planned Outage	77.3	2	38.7
1205775	10/6/2016	Planned Outage	92.5	2	46.2
1205779	10/6/2016	Planned Outage	2,212.5	150	14.8
1205780	10/6/2016	Planned Outage	14.2	1	14.2

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2016 Planned Outages Table

1205786	10/6/2016	Planned Outage	331.8	1	331.8
1205787	10/6/2016	Planned Outage	28.5	1	28.5
1205790	10/6/2016	Planned Outage	374.0	2	187.0
1205793	10/6/2016	Planned Outage	111.6	1	111.6
1205795	10/6/2016	Planned Outage	225.3	3	75.1
1205797	10/6/2016	Planned Outage	832.9	3	277.6
1205800	10/6/2016	Planned Outage	745.5	63	11.8
1205804	10/6/2016	Planned Outage	198.5	5	39.7
1205806	10/6/2016	Planned Outage	119.7	1	119.7
1205812	10/6/2016	Planned Outage	15.5	1	15.5
1205813	10/6/2016	Planned Outage	96.3	1	96.3
1205825	10/6/2016	Planned Outage	331.7	9	36.9
1205826	10/6/2016	Planned Outage	75.1	1	75.1
1205828	10/6/2016	Planned Outage	75.1	1	75.1
1205843	10/6/2016	Planned Outage	45.4	1	45.4
1205901	10/6/2016	Planned Outage	18.5	1	18.5
1205924	10/6/2016	Planned Outage	413.4	9	45.9
1205946	10/7/2016	Planned Outage	192.5	6	32.1
1205948	10/7/2016	Planned Outage	189.6	6	31.6
1205958	10/7/2016	Planned Outage	76.9	3	25.6
1205959	10/7/2016	Planned Outage	337.4	2	168.7
1205960	10/7/2016	Planned Outage	761.4	6	126.9
1205961	10/7/2016	Planned Outage	98.1	1	98.1
1205962	10/7/2016	Planned Outage	193.0	1	193.0
1205964	10/7/2016	Planned Outage	864.9	3	288.3
1205965	10/7/2016	Planned Outage	32.1	2	16.1
1205966	10/7/2016	Planned Outage	101.3	7	14.5
1205972	10/7/2016	Planned Outage	31.1	1	31.1
1205974	10/7/2016	Planned Outage	239.7	4	59.9
1205975	10/7/2016	Planned Outage	3,019.2	48	62.9
1205977	10/7/2016	Planned Outage	624.2	12	52.0
1205990	10/7/2016	Planned Outage	162.5	9	18.1
1206007	10/7/2016	Planned Outage	101.3	1	101.3
1206015	10/7/2016	Planned Outage	44.7	3	14.9
1206032	10/7/2016	Planned Outage	20.6	1	20.6
1206101	10/8/2016	Planned Outage	231.0	1	231.0
1206175	10/8/2016	Planned Outage	15.5	1	15.5
1206212	10/8/2016	Planned Outage	19.4	1	19.4
1206553	10/9/2016	Planned Outage	11.2	1	11.2
1206596	10/10/2016	Planned Outage	50.1	1	50.1
1206610	10/10/2016	Planned Outage	1,317.0	3	439.0
1206613	10/10/2016	Planned Outage	33.9	1	33.9
1206651	10/10/2016	Planned Outage	5,547.5	35	158.5
1206663	10/10/2016	Planned Outage	163.1	2	81.6
1206665	10/10/2016	Planned Outage	18.4	4	4.6
1206666	10/10/2016	Planned Outage	278.9	2	139.5
1206673	10/10/2016	Planned Outage	18.2	1	18.2
1206678	10/10/2016	Planned Outage	872.1	25	34.9
1206680	10/10/2016	Planned Outage	385.2	3	128.4

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2016 Planned Outages Table

1206681	10/10/2016	Planned Outage	125.5	2	62.7
1206682	10/10/2016	Planned Outage	63.2	1	63.2
1206695	10/10/2016	Planned Outage	8.0	1	8.0
1206696	10/10/2016	Planned Outage	55.9	8	7.0
1206705	10/10/2016	Planned Outage	180.0	6	30.0
1206709	10/10/2016	Planned Outage	38.7	1	38.7
1206718	10/10/2016	Planned Outage	10.0	1	10.0
1206775	10/11/2016	Planned Outage	47.2	1	47.2
1206782	10/11/2016	Planned Outage	6.7	1	6.7
1206791	10/11/2016	Planned Outage	69.0	1	69.0
1206817	10/11/2016	Planned Outage	258.6	3	86.2
1206818	10/11/2016	Planned Outage	10.9	1	10.9
1206819	10/11/2016	Planned Outage	11.6	1	11.6
1206820	10/11/2016	Planned Outage	78.0	6	13.0
1206821	10/11/2016	Planned Outage	18.7	1	18.7
1206841	10/11/2016	Planned Outage	5.4	1	5.4
1206843	10/11/2016	Planned Outage	164.4	2	82.2
1206846	10/11/2016	Planned Outage	51.0	1	51.0
1206847	10/11/2016	Planned Outage	19.3	1	19.3
1206905	10/11/2016	Planned Outage	7.6	1	7.6
1206906	10/11/2016	Planned Outage	13.7	1	13.7
1206915	10/11/2016	Planned Outage	185.1	4	46.3
1206920	10/11/2016	Planned Outage	32.0	4	8.0
1206923	10/11/2016	Planned Outage	187.8	3	62.6
1206926	10/11/2016	Planned Outage	97.7	2	48.8
1206933	10/11/2016	Planned Outage	66.0	3	22.0
1206964	10/11/2016	Planned Outage	29.2	1	29.2
1206966	10/11/2016	Planned Outage	4.6	1	4.6
1207018	10/12/2016	Planned Outage	435.3	2	217.7
1207019	10/12/2016	Planned Outage	325.0	5	65.0
1207022	10/12/2016	Planned Outage	30.7	1	30.7
1207024	10/12/2016	Planned Outage	159.4	2	79.7
1207025	10/12/2016	Planned Outage	98.8	2	49.4
1207026	10/12/2016	Planned Outage	33.7	3	11.2
1207030	10/12/2016	Planned Outage	305.5	5	61.1
1207031	10/12/2016	Planned Outage	16.9	1	16.9
1207036	10/12/2016	Planned Outage	117.3	1	117.3
1207038	10/12/2016	Planned Outage	38.3	3	12.8
1207042	10/12/2016	Planned Outage	67.2	2	33.6
1207049	10/12/2016	Planned Outage	113.4	2	56.7
1207053	10/12/2016	Planned Outage	210.0	5	42.0
1207061	10/12/2016	Planned Outage	68.6	3	22.9
1207064	10/12/2016	Planned Outage	22.0	1	22.0
1207066	10/12/2016	Planned Outage	23.3	1	23.3
1207131	10/13/2016	Planned Outage	171.7	1	171.7
1207136	10/13/2016	Planned Outage	294.0	6	49.0
1207147	10/13/2016	Planned Outage	15,673.3	71	220.8
1207153	10/13/2016	Planned Outage	342.4	4	85.6
1207154	10/13/2016	Planned Outage	2.0	1	2.0

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2016 Planned Outages Table

1207162	10/13/2016	Planned Outage	354.6	2	177.3
1207165	10/13/2016	Planned Outage	117.3	1	117.3
1207166	10/13/2016	Planned Outage	174.0	1	174.0
1207178	10/13/2016	Planned Outage	42.5	4	10.6
1207205	10/13/2016	Planned Outage	26.6	1	26.6
1207208	10/13/2016	Planned Outage	29.0	1	29.0
1207219	10/13/2016	Planned Outage	24.2	1	24.2
1207225	10/13/2016	Planned Outage	29.8	2	14.9
1207382	10/14/2016	Planned Outage	35.2	3	11.7
1207388	10/14/2016	Planned Outage	142.6	3	47.5
1207392	10/14/2016	Planned Outage	65.8	1	65.8
1207397	10/14/2016	Planned Outage	242.4	2	121.2
1207400	10/14/2016	Planned Outage	50.4	2	25.2
1207414	10/14/2016	Planned Outage	415.8	3	138.6
1207421	10/14/2016	Planned Outage	14.5	1	14.5
1207436	10/14/2016	Planned Outage	18.8	1	18.8
1207443	10/14/2016	Planned Outage	64.6	1	64.6
1207583	10/15/2016	Planned Outage	271.7	39	7.0
1207588	10/16/2016	Planned Outage	9,147.2	19	481.4
1207591	10/16/2016	Planned Outage	48.0	12	4.0
1207596	10/16/2016	Planned Outage	52.8	12	4.4
1207605	10/16/2016	Planned Outage	1,190.9	4	297.7
1207708	10/17/2016	Planned Outage	16.2	1	16.2
1207710	10/17/2016	Planned Outage	74.0	1	74.0
1207722	10/17/2016	Planned Outage	9,826.7	1,100	8.9
1207772	10/17/2016	Planned Outage	9.0	1	9.0
1207775	10/17/2016	Planned Outage	917.2	7	131.0
1207776	10/17/2016	Planned Outage	9,498.5	37	256.7
1207784	10/17/2016	Planned Outage	119.9	1	119.9
1207787	10/17/2016	Planned Outage	569.5	5	113.9
1207789	10/17/2016	Planned Outage	830.4	4	207.6
1207791	10/17/2016	Planned Outage	1,026.8	4	256.7
1207794	10/17/2016	Planned Outage	43.9	7	6.3
1207795	10/17/2016	Planned Outage	137.2	1	137.2
1207798	10/17/2016	Planned Outage	134.4	1	134.4
1207800	10/17/2016	Planned Outage	274.2	5	54.8
1207801	10/17/2016	Planned Outage	174.0	2	87.0
1207807	10/17/2016	Planned Outage	363.2	2	181.6
1207827	10/17/2016	Planned Outage	13.2	1	13.2
1207828	10/17/2016	Planned Outage	145.0	3	48.3
1207838	10/17/2016	Planned Outage	339.3	3	113.1
1207860	10/17/2016	Planned Outage	315.9	1	315.9
1208017	10/18/2016	Planned Outage	83.7	1	83.7
1208021	10/18/2016	Planned Outage	60.0	1	60.0
1208024	10/18/2016	Planned Outage	66.0	3	22.0
1208025	10/18/2016	Planned Outage	5,654.7	122	46.4
1208036	10/18/2016	Planned Outage	1,268.2	6	211.4
1208037	10/18/2016	Planned Outage	24.6	2	12.3
1208038	10/18/2016	Planned Outage	387.8	4	97.0

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2016 Planned Outages Table

1208046	10/18/2016	Planned Outage	177.2	1	177.2
1208055	10/18/2016	Planned Outage	321.0	4	80.3
1208056	10/18/2016	Planned Outage	133.8	1	133.8
1208069	10/18/2016	Planned Outage	380.0	4	95.0
1208070	10/18/2016	Planned Outage	2,761.3	76	36.3
1208071	10/18/2016	Planned Outage	392.7	10	39.3
1208073	10/18/2016	Planned Outage	336.6	3	112.2
1208077	10/18/2016	Planned Outage	708.3	3	236.1
1208078	10/18/2016	Planned Outage	1,212.4	4	303.1
1208083	10/18/2016	Planned Outage	101.5	3	33.8
1208085	10/18/2016	Planned Outage	607.7	4	151.9
1208090	10/18/2016	Planned Outage	62.2	7	8.9
1208091	10/18/2016	Planned Outage	41.5	1	41.5
1208107	10/18/2016	Planned Outage	19.3	1	19.3
1208114	10/18/2016	Planned Outage	170.2	7	24.3
1208115	10/18/2016	Planned Outage	290.3	5	58.1
1208155	10/19/2016	Planned Outage	21.9	1	21.9
1208158	10/19/2016	Planned Outage	50.5	4	12.6
1208163	10/19/2016	Planned Outage	8,276.1	29	285.4
1208166	10/19/2016	Planned Outage	283.0	7	40.4
1208170	10/19/2016	Planned Outage	1,266.5	11	115.1
1208177	10/19/2016	Planned Outage	121.6	4	30.4
1208178	10/19/2016	Planned Outage	33.2	1	33.2
1208179	10/19/2016	Planned Outage	516.2	3	172.1
1208180	10/19/2016	Planned Outage	120.7	1	120.7
1208188	10/19/2016	Planned Outage	92.1	1	92.1
1208189	10/19/2016	Planned Outage	551.9	4	138.0
1208191	10/19/2016	Planned Outage	109.4	7	15.6
1208195	10/19/2016	Planned Outage	34.5	1	34.5
1208196	10/19/2016	Planned Outage	199.4	2	99.7
1208206	10/19/2016	Planned Outage	34.6	1	34.6
1208208	10/19/2016	Planned Outage	29.8	2	14.9
1208209	10/19/2016	Planned Outage	86.3	3	28.8
1208216	10/19/2016	Planned Outage	1,723.3	8	215.4
1208240	10/20/2016	Planned Outage	222.1	1	222.1
1208241	10/20/2016	Planned Outage	14.5	1	14.5
1208243	10/20/2016	Planned Outage	14.9	1	14.9
1208244	10/20/2016	Planned Outage	3.6	1	3.6
1208245	10/20/2016	Planned Outage	8.3	1	8.3
1208247	10/20/2016	Planned Outage	19.8	1	19.8
1208248	10/20/2016	Planned Outage	83.9	2	41.9
1208250	10/20/2016	Planned Outage	40.8	1	40.8
1208254	10/20/2016	Planned Outage	45.5	1	45.5
1208258	10/20/2016	Planned Outage	94.5	2	47.3
1208263	10/20/2016	Planned Outage	53.4	1	53.4
1208264	10/20/2016	Planned Outage	160.0	1	160.0
1208266	10/20/2016	Planned Outage	74.7	1	74.7
1208270	10/20/2016	Planned Outage	1,471.1	8	183.9
1208271	10/20/2016	Planned Outage	371.6	3	123.9

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2016 Planned Outages Table

1208273	10/20/2016	Planned Outage	90.1	1	90.1
1208280	10/20/2016	Planned Outage	13.4	1	13.4
1208311	10/20/2016	Planned Outage	43.2	1	43.2
1208313	10/20/2016	Planned Outage	382.6	3	127.5
1208317	10/20/2016	Planned Outage	43.5	4	10.9
1208322	10/20/2016	Planned Outage	679.6	7	97.1
1208324	10/20/2016	Planned Outage	42.4	1	42.4
1208325	10/20/2016	Planned Outage	40.3	1	40.3
1208331	10/20/2016	Planned Outage	413.3	3	137.8
1208343	10/20/2016	Planned Outage	49.0	2	24.5
1208551	10/21/2016	Planned Outage	63.7	1	63.7
1208566	10/21/2016	Planned Outage	396.0	2	198.0
1208574	10/21/2016	Planned Outage	694.3	3	231.4
1208575	10/21/2016	Planned Outage	215.7	5	43.1
1208580	10/21/2016	Planned Outage	157.6	3	52.5
1208581	10/21/2016	Planned Outage	1,560.7	20	78.0
1208649	10/21/2016	Planned Outage	72.6	1	72.6
1208651	10/21/2016	Planned Outage	68.0	1	68.0
1208652	10/21/2016	Planned Outage	67.5	1	67.5
1208664	10/21/2016	Planned Outage	172.1	4	43.0
1208673	10/21/2016	Planned Outage	187.5	1	187.5
1208713	10/21/2016	Planned Outage	36.4	2	18.2
1208741	10/22/2016	Planned Outage	11.1	1	11.1
1208747	10/22/2016	Planned Outage	3.8	1	3.8
1208980	10/24/2016	Planned Outage	113.8	1	113.8
1208981	10/24/2016	Planned Outage	172.3	4	43.1
1208994	10/24/2016	Planned Outage	495.0	3	165.0
1208995	10/24/2016	Planned Outage	9.0	1	9.0
1208996	10/24/2016	Planned Outage	323.4	2	161.7
1208998	10/24/2016	Planned Outage	624.2	3	208.1
1209000	10/24/2016	Planned Outage	3,868.7	27	143.3
1209001	10/24/2016	Planned Outage	150.5	6	25.1
1209008	10/24/2016	Planned Outage	134.8	6	22.5
1209014	10/24/2016	Planned Outage	115.9	3	38.6
1209015	10/24/2016	Planned Outage	11.0	1	11.0
1209020	10/24/2016	Planned Outage	71.1	3	23.7
1209023	10/24/2016	Planned Outage	448.1	4	112.0
1209026	10/24/2016	Planned Outage	136.1	4	34.0
1209033	10/24/2016	Planned Outage	411.5	6	68.6
1209035	10/24/2016	Planned Outage	878.9	8	109.9
1209036	10/24/2016	Planned Outage	575.8	5	115.2
1209040	10/24/2016	Planned Outage	117.9	5	23.6
1209048	10/24/2016	Planned Outage	96.5	3	32.2
1209051	10/24/2016	Planned Outage	181.3	3	60.4
1209052	10/24/2016	Planned Outage	162.8	1	162.8
1209056	10/24/2016	Planned Outage	72.0	24	3.0
1209057	10/24/2016	Planned Outage	72,185.3	479	150.7
1209069	10/24/2016	Planned Outage	290.7	10	29.1
1209073	10/24/2016	Planned Outage	114.7	1	114.7

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2016 Planned Outages Table

1209076	10/24/2016	Planned Outage	91.2	24	3.8
1209077	10/24/2016	Planned Outage	2,590.5	503	5.2
1209111	10/25/2016	Planned Outage	69.1	2	34.5
1209125	10/25/2016	Planned Outage	75.0	1	75.0
1209136	10/25/2016	Planned Outage	129.9	2	64.9
1209139	10/25/2016	Planned Outage	3,426.5	10	342.7
1209149	10/25/2016	Planned Outage	86.6	2	43.3
1209152	10/25/2016	Planned Outage	1,436.6	6	239.4
1209156	10/25/2016	Planned Outage	113.9	1	113.9
1209160	10/25/2016	Planned Outage	836.8	24	34.9
1209179	10/25/2016	Planned Outage	1,175.4	18	65.3
1209180	10/25/2016	Planned Outage	166.4	8	20.8
1209182	10/25/2016	Planned Outage	713.3	5	142.7
1209186	10/25/2016	Planned Outage	28.6	1	28.6
1209193	10/25/2016	Planned Outage	68.0	1	68.0
1209199	10/25/2016	Planned Outage	129.5	2	64.7
1209201	10/25/2016	Planned Outage	216.1	7	30.9
1209205	10/25/2016	Planned Outage	156.4	1	156.4
1209206	10/25/2016	Planned Outage	1,764.7	10	176.5
1209210	10/25/2016	Planned Outage	411.7	4	102.9
1209214	10/25/2016	Planned Outage	613.5	4	153.4
1209216	10/25/2016	Planned Outage	191.5	4	47.9
1209218	10/25/2016	Planned Outage	118.1	1	118.1
1209224	10/25/2016	Planned Outage	428.4	14	30.6
1209228	10/25/2016	Planned Outage	273.6	1	273.6
1209229	10/25/2016	Planned Outage	94.9	1	94.9
1209231	10/25/2016	Planned Outage	37.3	2	18.7
1209234	10/25/2016	Planned Outage	773.2	6	128.9
1209257	10/26/2016	Planned Outage	375.6	29	13.0
1209259	10/26/2016	Planned Outage	475.0	50	9.5
1209263	10/26/2016	Planned Outage	111.9	8	14.0
1209264	10/26/2016	Planned Outage	9.0	1	9.0
1209274	10/26/2016	Planned Outage	102.8	10	10.3
1209278	10/26/2016	Planned Outage	503.4	3	167.8
1209283	10/26/2016	Planned Outage	56.3	1	56.3
1209286	10/26/2016	Planned Outage	842.9	4	210.7
1209288	10/26/2016	Planned Outage	559.4	11	50.9
1209291	10/26/2016	Planned Outage	268.2	1	268.2
1209292	10/26/2016	Planned Outage	387.6	3	129.2
1209294	10/26/2016	Planned Outage	280.7	2	140.4
1209295	10/26/2016	Planned Outage	102.0	1	102.0
1209298	10/26/2016	Planned Outage	183.4	3	61.1
1209301	10/26/2016	Planned Outage	696.2	6	116.0
1209302	10/26/2016	Planned Outage	498.3	1	498.3
1209303	10/26/2016	Planned Outage	8.2	1	8.2
1209305	10/26/2016	Planned Outage	49.4	1	49.4
1209307	10/26/2016	Planned Outage	173.9	4	43.5
1209309	10/26/2016	Planned Outage	129.6	1	129.6
1209311	10/26/2016	Planned Outage	34.8	1	34.8

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2016 Planned Outages Table

1209312	10/26/2016	Planned Outage	62.0	1	62.0
1209313	10/26/2016	Planned Outage	78.2	1	78.2
1209314	10/26/2016	Planned Outage	1,008.5	9	112.1
1209315	10/26/2016	Planned Outage	112.6	1	112.6
1209316	10/26/2016	Planned Outage	565.6	5	113.1
1209318	10/26/2016	Planned Outage	144.7	4	36.2
1209320	10/26/2016	Planned Outage	802.6	5	160.5
1209323	10/26/2016	Planned Outage	52.3	1	52.3
1209324	10/26/2016	Planned Outage	329.9	5	66.0
1209327	10/26/2016	Planned Outage	15.7	1	15.7
1209330	10/26/2016	Planned Outage	244.3	4	61.1
1209713	10/26/2016	Planned Outage	18.5	1	18.5
1209714	10/26/2016	Planned Outage	91.1	6	15.2
1209717	10/26/2016	Planned Outage	264.3	5	52.9
1209720	10/26/2016	Planned Outage	18.3	1	18.3
1209724	10/26/2016	Planned Outage	222.7	1	222.7
1209725	10/26/2016	Planned Outage	151.7	4	37.9
1209726	10/26/2016	Planned Outage	449.1	4	112.3
1209731	10/26/2016	Planned Outage	8.5	1	8.5
1209732	10/26/2016	Planned Outage	243.9	4	61.0
1209737	10/26/2016	Planned Outage	972.0	9	108.0
1209744	10/26/2016	Planned Outage	260.9	4	65.2
1209745	10/26/2016	Planned Outage	19.7	1	19.7
1209768	10/27/2016	Planned Outage	43.0	1	43.0
1209769	10/27/2016	Planned Outage	104.8	2	52.4
1209771	10/27/2016	Planned Outage	88.9	4	22.2
1209773	10/27/2016	Planned Outage	691.4	6	115.2
1209774	10/27/2016	Planned Outage	19.8	1	19.8
1209784	10/27/2016	Planned Outage	10.4	1	10.4
1209789	10/27/2016	Planned Outage	451.5	4	112.9
1209790	10/27/2016	Planned Outage	21.3	4	5.3
1209792	10/27/2016	Planned Outage	595.3	8	74.4
1210176	10/27/2016	Planned Outage	55.9	2	27.9
1210179	10/27/2016	Planned Outage	468.2	4	117.1
1210180	10/27/2016	Planned Outage	23.9	1	23.9
1210182	10/27/2016	Planned Outage	5.9	1	5.9
1210184	10/27/2016	Planned Outage	690.3	3	230.1
1210302	10/27/2016	Planned Outage	61.1	2	30.5
1210305	10/27/2016	Planned Outage	153.7	3	51.2
1210327	10/27/2016	Planned Outage	11.2	1	11.2
1210329	10/27/2016	Planned Outage	33.8	1	33.8
1210335	10/27/2016	Planned Outage	32.1	1	32.1
1210344	10/27/2016	Planned Outage	428.0	4	107.0
1210504	10/28/2016	Planned Outage	13.7	1	13.7
1210505	10/28/2016	Planned Outage	91.9	1	91.9
1210507	10/28/2016	Planned Outage	32.0	3	10.7
1210515	10/28/2016	Planned Outage	72.4	1	72.4
1210516	10/28/2016	Planned Outage	32.6	1	32.6
1210518	10/28/2016	Planned Outage	245.6	3	81.9

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2016 Planned Outages Table

1210519	10/28/2016	Planned Outage	12.5	1	12.5
1210524	10/28/2016	Planned Outage	291.9	1	291.9
1210529	10/28/2016	Planned Outage	665.8	6	111.0
1210534	10/28/2016	Planned Outage	201.2	1	201.2
1210535	10/28/2016	Planned Outage	93.5	1	93.5
1210536	10/28/2016	Planned Outage	212.5	2	106.3
1210537	10/28/2016	Planned Outage	22.9	1	22.9
1210542	10/28/2016	Planned Outage	195.9	3	65.3
1210561	10/28/2016	Planned Outage	47.4	1	47.4
1210565	10/28/2016	Planned Outage	167.3	4	41.8
1210586	10/28/2016	Planned Outage	59.9	4	15.0
1210883	10/31/2016	Planned Outage	49.6	3	16.5
1210910	10/31/2016	Planned Outage	4,327.5	13	332.9
1210914	10/31/2016	Planned Outage	273.9	1	273.9
1210916	10/31/2016	Planned Outage	136.7	4	34.2
1210917	10/31/2016	Planned Outage	1,180.8	8	147.6
1210919	10/31/2016	Planned Outage	3,017.0	60	50.3
1210922	10/31/2016	Planned Outage	33.3	1	33.3
1210923	10/31/2016	Planned Outage	5.9	1	5.9
1210928	10/31/2016	Planned Outage	2,383.4	9	264.8
1210929	10/31/2016	Planned Outage	569.9	3	190.0
1210931	10/31/2016	Planned Outage	83.6	1	83.6
1210942	10/31/2016	Planned Outage	336.8	2	168.4
1210986	10/31/2016	Planned Outage	203.1	4	50.8
1210998	10/31/2016	Planned Outage	163.5	2	81.8
1211002	10/31/2016	Planned Outage	123.1	4	30.8
1211034	11/1/2016	Planned Outage	290.4	1	290.4
1211036	11/1/2016	Planned Outage	154.1	5	30.8
1211045	11/1/2016	Planned Outage	826.4	47	17.6
1211048	11/1/2016	Planned Outage	122.0	1	122.0
1211054	11/1/2016	Planned Outage	240.9	1	240.9
1211056	11/1/2016	Planned Outage	29.5	1	29.5
1211058	11/1/2016	Planned Outage	42.8	1	42.8
1211060	11/1/2016	Planned Outage	7.1	1	7.1
1211064	11/1/2016	Planned Outage	47.0	1	47.0
1211066	11/1/2016	Planned Outage	3,349.5	13	257.7
1211069	11/1/2016	Planned Outage	413.9	8	51.7
1211072	11/1/2016	Planned Outage	1,655.5	4	413.9
1211074	11/1/2016	Planned Outage	254.6	7	36.4
1211075	11/1/2016	Planned Outage	7,987.0	35	228.2
1211076	11/1/2016	Planned Outage	41.4	1	41.4
1211079	11/1/2016	Planned Outage	64.6	1	64.6
1211081	11/1/2016	Planned Outage	21.8	1	21.8
1211082	11/1/2016	Planned Outage	32.3	1	32.3
1211083	11/1/2016	Planned Outage	15.5	1	15.5
1211090	11/1/2016	Planned Outage	40.7	1	40.7
1211098	11/1/2016	Planned Outage	9.7	1	9.7
1211103	11/1/2016	Planned Outage	95.4	1	95.4
1211105	11/1/2016	Planned Outage	750.3	10	75.0

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2016 Planned Outages Table

1211107	11/1/2016	Planned Outage	355.5	5	71.1
1211108	11/1/2016	Planned Outage	65.8	1	65.8
1211109	11/1/2016	Planned Outage	66.0	1	66.0
1211110	11/1/2016	Planned Outage	351.6	2	175.8
1211266	11/2/2016	Planned Outage	820.5	16	51.3
1211274	11/2/2016	Planned Outage	121.0	1	121.0
1211275	11/2/2016	Planned Outage	381.8	2	190.9
1211299	11/2/2016	Planned Outage	9,979.7	201	49.7
1211307	11/2/2016	Planned Outage	763.2	5	152.6
1211309	11/2/2016	Planned Outage	5,468.9	51	107.2
1211310	11/2/2016	Planned Outage	41.7	8	5.2
1211312	11/2/2016	Planned Outage	11.0	1	11.0
1211321	11/2/2016	Planned Outage	43.4	4	10.9
1211325	11/2/2016	Planned Outage	163.8	6	27.3
1211331	11/2/2016	Planned Outage	105.9	1	105.9
1211333	11/2/2016	Planned Outage	332.5	4	83.1
1211337	11/2/2016	Planned Outage	171.7	7	24.5
1211343	11/2/2016	Planned Outage	278.9	6	46.5
1211363	11/2/2016	Planned Outage	1,203.3	23	52.3
1211367	11/2/2016	Planned Outage	991.2	10	99.1
1211368	11/2/2016	Planned Outage	234.5	2	117.3
1211369	11/2/2016	Planned Outage	6.6	1	6.6
1211371	11/2/2016	Planned Outage	8.1	1	8.1
1211379	11/2/2016	Planned Outage	751.9	6	125.3
1211407	11/2/2016	Planned Outage	1,868.3	10	186.8
1211422	11/3/2016	Planned Outage	99.0	3	33.0
1211425	11/3/2016	Planned Outage	94.3	4	23.6
1211430	11/3/2016	Planned Outage	43.1	4	10.8
1211435	11/3/2016	Planned Outage	64.5	1	64.5
1211436	11/3/2016	Planned Outage	980.0	10	98.0
1211440	11/3/2016	Planned Outage	75.3	5	15.1
1211441	11/3/2016	Planned Outage	12.5	1	12.5
1211443	11/3/2016	Planned Outage	135.8	1	135.8
1211445	11/3/2016	Planned Outage	45.4	1	45.4
1211451	11/3/2016	Planned Outage	1,049.8	10	105.0
1211452	11/3/2016	Planned Outage	149.6	2	74.8
1211454	11/3/2016	Planned Outage	51.8	1	51.8
1211455	11/3/2016	Planned Outage	317.0	2	158.5
1211456	11/3/2016	Planned Outage	198.5	1	198.5
1211472	11/3/2016	Planned Outage	115.5	1	115.5
1211474	11/3/2016	Planned Outage	303.8	6	50.6
1211475	11/3/2016	Planned Outage	2,317.6	46	50.4
1211487	11/3/2016	Planned Outage	306.6	3	102.2
1211490	11/3/2016	Planned Outage	68.6	1	68.6
1211491	11/3/2016	Planned Outage	45.1	1	45.1
1211507	11/4/2016	Planned Outage	824.5	7	117.8
1211508	11/4/2016	Planned Outage	23.0	1	23.0
1211519	11/4/2016	Planned Outage	72.8	3	24.3
1211522	11/4/2016	Planned Outage	589.7	9	65.5

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2016 Planned Outages Table

1211523	11/4/2016	Planned Outage	306.4	4	76.6
1211524	11/4/2016	Planned Outage	105.0	2	52.5
1211527	11/4/2016	Planned Outage	150.8	2	75.4
1211533	11/4/2016	Planned Outage	58.0	1	58.0
1211535	11/4/2016	Planned Outage	112.9	2	56.4
1211536	11/4/2016	Planned Outage	49.7	1	49.7
1211540	11/4/2016	Planned Outage	14.4	1	14.4
1211541	11/4/2016	Planned Outage	22.5	1	22.5
1211546	11/4/2016	Planned Outage	40.6	1	40.6
1211550	11/4/2016	Planned Outage	179.7	3	59.9
1211551	11/4/2016	Planned Outage	61.6	4	15.4
1211560	11/4/2016	Planned Outage	80.3	2	40.2
1211566	11/4/2016	Planned Outage	31.7	1	31.7
1211624	11/5/2016	Planned Outage	2.8	1	2.8
1211628	11/5/2016	Planned Outage	22.4	1	22.4
1211629	11/5/2016	Planned Outage	52.0	1	52.0
1211630	11/5/2016	Planned Outage	51.6	1	51.6
1211820	11/7/2016	Planned Outage	69.2	1	69.2
1211822	11/7/2016	Planned Outage	69.0	1	69.0
1211833	11/7/2016	Planned Outage	161.2	1	161.2
1211834	11/7/2016	Planned Outage	99.4	4	24.9
1211838	11/7/2016	Planned Outage	161.5	2	80.8
1211841	11/7/2016	Planned Outage	539.6	5	107.9
1211842	11/7/2016	Planned Outage	828.3	5	165.7
1211850	11/7/2016	Planned Outage	294.9	8	36.9
1211852	11/7/2016	Planned Outage	235.0	4	58.8
1211853	11/7/2016	Planned Outage	59.2	1	59.2
1211854	11/7/2016	Planned Outage	58.8	3	19.6
1211855	11/7/2016	Planned Outage	400.5	4	100.1
1211857	11/7/2016	Planned Outage	64.1	1	64.1
1211858	11/7/2016	Planned Outage	758.7	4	189.7
1211862	11/7/2016	Planned Outage	55.2	1	55.2
1211863	11/7/2016	Planned Outage	220.2	6	36.7
1211867	11/7/2016	Planned Outage	98.1	1	98.1
1211877	11/7/2016	Planned Outage	701.7	10	70.2
1211878	11/7/2016	Planned Outage	2,080.0	40	52.0
1211882	11/7/2016	Planned Outage	3,202.8	38	84.3
1211919	11/7/2016	Planned Outage	708.3	10	70.8
1211935	11/7/2016	Planned Outage	285.0	5	57.0
1211940	11/7/2016	Planned Outage	495.9	5	99.2
1212222	11/8/2016	Planned Outage	78.8	1	78.8
1212252	11/8/2016	Planned Outage	4,079.6	12	340.0
1212254	11/8/2016	Planned Outage	197.1	2	98.6
1212255	11/8/2016	Planned Outage	887.9	9	98.7
1212256	11/8/2016	Planned Outage	391.1	4	97.8
1212257	11/8/2016	Planned Outage	388.2	4	97.1
1212258	11/8/2016	Planned Outage	193.9	2	96.9
1212259	11/8/2016	Planned Outage	96.9	1	96.9
1212269	11/8/2016	Planned Outage	408.7	4	102.2

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2016 Planned Outages Table

1212271	11/8/2016	Planned Outage	83.3	4	20.8
1212280	11/8/2016	Planned Outage	206.9	1	206.9
1212282	11/8/2016	Planned Outage	356.2	2	178.1
1212291	11/8/2016	Planned Outage	108.2	1	108.2
1212293	11/8/2016	Planned Outage	3,922.2	38	103.2
1212357	11/8/2016	Planned Outage	1,814.7	40	45.4
1212368	11/8/2016	Planned Outage	23.0	1	23.0
1212427	11/9/2016	Planned Outage	520.7	20	26.0
1212452	11/9/2016	Planned Outage	18.5	1	18.5
1212461	11/9/2016	Planned Outage	392.0	1	392.0
1212466	11/9/2016	Planned Outage	157.7	11	14.3
1212472	11/9/2016	Planned Outage	182.2	2	91.1
1212475	11/9/2016	Planned Outage	30.8	5	6.2
1212476	11/9/2016	Planned Outage	75.0	1	75.0
1212477	11/9/2016	Planned Outage	40.9	1	40.9
1212479	11/9/2016	Planned Outage	1,181.6	12	98.5
1212480	11/9/2016	Planned Outage	147.9	3	49.3
1212483	11/9/2016	Planned Outage	3,371.9	11	306.5
1212492	11/9/2016	Planned Outage	1,188.0	8	148.5
1212494	11/9/2016	Planned Outage	3,441.3	40	86.0
1212497	11/9/2016	Planned Outage	73.1	2	36.6
1212500	11/9/2016	Planned Outage	5,891.1	46	128.1
1212505	11/9/2016	Planned Outage	1,017.6	16	63.6
1212508	11/9/2016	Planned Outage	80.6	1	80.6
1212509	11/9/2016	Planned Outage	40.0	1	40.0
1212559	11/9/2016	Planned Outage	75.7	1	75.7
1212577	11/9/2016	Planned Outage	53.0	1	53.0
1212611	11/10/2016	Planned Outage	68.7	1	68.7
1212613	11/10/2016	Planned Outage	19.3	1	19.3
1212619	11/10/2016	Planned Outage	203.7	3	67.9
1212622	11/10/2016	Planned Outage	23.8	1	23.8
1212626	11/10/2016	Planned Outage	18.9	1	18.9
1212629	11/10/2016	Planned Outage	103.8	7	14.8
1212632	11/10/2016	Planned Outage	786.6	6	131.1
1212634	11/10/2016	Planned Outage	202.6	1	202.6
1212644	11/10/2016	Planned Outage	66.2	3	22.1
1212645	11/10/2016	Planned Outage	42.2	4	10.6
1212647	11/10/2016	Planned Outage	71.0	1	71.0
1212648	11/10/2016	Planned Outage	1,134.1	8	141.8
1212651	11/10/2016	Planned Outage	61.1	4	15.3
1212652	11/10/2016	Planned Outage	176.9	4	44.2
1212653	11/10/2016	Planned Outage	394.7	9	43.9
1212654	11/10/2016	Planned Outage	290.2	1	290.2
1212655	11/10/2016	Planned Outage	7.0	1	7.0
1212656	11/10/2016	Planned Outage	38.8	1	38.8
1212667	11/10/2016	Planned Outage	40.1	1	40.1
1212671	11/10/2016	Planned Outage	69.1	3	23.0
1212672	11/10/2016	Planned Outage	68.4	8	8.6
1212681	11/10/2016	Planned Outage	92.4	2	46.2

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2016 Planned Outages Table

1212698	11/10/2016	Planned Outage	56.0	2	28.0
1212702	11/10/2016	Planned Outage	40.4	1	40.4
1212741	11/11/2016	Planned Outage	129.3	1	129.3
1212744	11/11/2016	Planned Outage	118.8	1	118.8
1212745	11/11/2016	Planned Outage	1,230.6	67	18.4
1212752	11/11/2016	Planned Outage	28.9	1	28.9
1212755	11/11/2016	Planned Outage	4,893.5	51	96.0
1212756	11/11/2016	Planned Outage	29.4	2	14.7
1212757	11/11/2016	Planned Outage	131.1	2	65.6
1212761	11/11/2016	Planned Outage	30.4	1	30.4
1212762	11/11/2016	Planned Outage	21.2	1	21.2
1212763	11/11/2016	Planned Outage	20.8	1	20.8
1212769	11/11/2016	Planned Outage	91.0	1	91.0
1212773	11/11/2016	Planned Outage	17.8	2	8.9
1212790	11/11/2016	Planned Outage	62.2	5	12.4
1212792	11/11/2016	Planned Outage	305.1	13	23.5
1212793	11/11/2016	Planned Outage	77.5	4	19.4
1212794	11/11/2016	Planned Outage	47.3	1	47.3
1212798	11/11/2016	Planned Outage	184.8	5	37.0
1212800	11/11/2016	Planned Outage	18.2	2	9.1
1212807	11/11/2016	Planned Outage	17.5	3	5.8
1212808	11/11/2016	Planned Outage	10.7	1	10.7
1212937	11/12/2016	Planned Outage	199.1	4	49.8
1212955	11/12/2016	Planned Outage	26.3	1	26.3
1213018	11/13/2016	Planned Outage	35.0	1	35.0
1213285	11/14/2016	Planned Outage	38.4	1	38.4
1213309	11/14/2016	Planned Outage	216.2	3	72.1
1213313	11/14/2016	Planned Outage	44.9	1	44.9
1213314	11/14/2016	Planned Outage	43.9	1	43.9
1213318	11/14/2016	Planned Outage	321.8	1	321.8
1213322	11/14/2016	Planned Outage	1,097.3	3	365.8
1213323	11/14/2016	Planned Outage	41.0	1	41.0
1213325	11/14/2016	Planned Outage	341.1	4	85.3
1213331	11/14/2016	Planned Outage	974.4	29	33.6
1213337	11/14/2016	Planned Outage	71.2	3	23.7
1213339	11/14/2016	Planned Outage	44.9	1	44.9
1213340	11/14/2016	Planned Outage	18.9	1	18.9
1213344	11/14/2016	Planned Outage	613.2	14	43.8
1213357	11/14/2016	Planned Outage	2,149.8	5	430.0
1213359	11/14/2016	Planned Outage	15.9	1	15.9
1213361	11/14/2016	Planned Outage	131.5	1	131.5
1213368	11/14/2016	Planned Outage	71.5	1	71.5
1213370	11/14/2016	Planned Outage	3.6	1	3.6
1213376	11/14/2016	Planned Outage	443.9	5	88.8
1213380	11/14/2016	Planned Outage	5.5	1	5.5
1213404	11/15/2016	Planned Outage	13,875.0	444	31.3
1213405	11/15/2016	Planned Outage	8,405.0	30	280.2
1213406	11/15/2016	Planned Outage	5,170.5	19	272.1
1213509	11/15/2016	Planned Outage	33.6	1	33.6

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2016 Planned Outages Table

1213511	11/15/2016	Planned Outage	160.7	1	160.7
1213512	11/15/2016	Planned Outage	160.3	1	160.3
1213518	11/15/2016	Planned Outage	51.9	1	51.9
1213519	11/15/2016	Planned Outage	157.4	5	31.5
1213523	11/15/2016	Planned Outage	978.7	5	195.7
1213528	11/15/2016	Planned Outage	97.4	1	97.4
1213529	11/15/2016	Planned Outage	50.8	1	50.8
1213530	11/15/2016	Planned Outage	1,438.8	8	179.9
1213535	11/15/2016	Planned Outage	123.1	5	24.6
1213542	11/15/2016	Planned Outage	80.9	4	20.2
1213544	11/15/2016	Planned Outage	36.7	1	36.7
1213545	11/15/2016	Planned Outage	781.9	8	97.7
1213547	11/15/2016	Planned Outage	58.3	4	14.6
1213594	11/15/2016	Planned Outage	41.0	1	41.0
1213596	11/15/2016	Planned Outage	33.6	1	33.6
1213597	11/15/2016	Planned Outage	99.3	3	33.1
1213599	11/15/2016	Planned Outage	22.5	1	22.5
1213602	11/15/2016	Planned Outage	55.1	1	55.1
1213605	11/15/2016	Planned Outage	13.2	1	13.2
1213608	11/15/2016	Planned Outage	909.5	4	227.4
1213616	11/15/2016	Planned Outage	350.6	3	116.9
1213624	11/15/2016	Planned Outage	258.6	2	129.3
1213625	11/15/2016	Planned Outage	517.4	4	129.4
1213661	11/16/2016	Planned Outage	179.7	2	89.8
1213664	11/16/2016	Planned Outage	83.9	1	83.9
1213665	11/16/2016	Planned Outage	197.0	2	98.5
1213673	11/16/2016	Planned Outage	6,368.4	14	454.9
1213675	11/16/2016	Planned Outage	5,256.5	14	375.5
1213678	11/16/2016	Planned Outage	45.8	3	15.3
1213680	11/16/2016	Planned Outage	13.4	1	13.4
1213683	11/16/2016	Planned Outage	61.4	1	61.4
1213684	11/16/2016	Planned Outage	147.2	1	147.2
1213687	11/16/2016	Planned Outage	34,210.2	146	234.3
1213689	11/16/2016	Planned Outage	1,312.1	4	328.0
1213690	11/16/2016	Planned Outage	50.0	1	50.0
1213691	11/16/2016	Planned Outage	94.8	1	94.8
1213695	11/16/2016	Planned Outage	110.2	1	110.2
1213697	11/16/2016	Planned Outage	114.6	1	114.6
1213698	11/16/2016	Planned Outage	90.0	1	90.0
1213703	11/16/2016	Planned Outage	10.3	1	10.3
1213704	11/16/2016	Planned Outage	103.7	1	103.7
1213706	11/16/2016	Planned Outage	20.6	1	20.6
1213713	11/16/2016	Planned Outage	581.0	10	58.1
1213716	11/16/2016	Planned Outage	13.4	1	13.4
1213718	11/16/2016	Planned Outage	172.3	5	34.5
1213719	11/16/2016	Planned Outage	266.8	1	266.8
1213720	11/16/2016	Planned Outage	1,556.0	6	259.3
1213723	11/16/2016	Planned Outage	532.6	5	106.5
1213727	11/16/2016	Planned Outage	26.7	1	26.7

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2016 Planned Outages Table

1213730	11/16/2016	Planned Outage	295.5	2	147.8
1213736	11/16/2016	Planned Outage	652.7	6	108.8
1213740	11/16/2016	Planned Outage	36.5	1	36.5
1213749	11/16/2016	Planned Outage	323.9	2	161.9
1213762	11/17/2016	Planned Outage	228.4	5	45.7
1213775	11/17/2016	Planned Outage	95.6	1	95.6
1213781	11/17/2016	Planned Outage	6,989.7	14	499.3
1213784	11/17/2016	Planned Outage	670.4	9	74.5
1213787	11/17/2016	Planned Outage	254.4	2	127.2
1213788	11/17/2016	Planned Outage	111.1	1	111.1
1213789	11/17/2016	Planned Outage	161.1	7	23.0
1213792	11/17/2016	Planned Outage	22.3	1	22.3
1213794	11/17/2016	Planned Outage	1,059.2	4	264.8
1213796	11/17/2016	Planned Outage	308.9	3	103.0
1213798	11/17/2016	Planned Outage	225.8	2	112.9
1213799	11/17/2016	Planned Outage	342.0	3	114.0
1213803	11/17/2016	Planned Outage	4.7	1	4.7
1213804	11/17/2016	Planned Outage	36.0	1	36.0
1213806	11/17/2016	Planned Outage	272.1	6	45.4
1213808	11/17/2016	Planned Outage	95.0	5	19.0
1213809	11/17/2016	Planned Outage	80.0	3	26.7
1213810	11/17/2016	Planned Outage	96.6	1	96.6
1213812	11/17/2016	Planned Outage	11.0	1	11.0
1213815	11/17/2016	Planned Outage	48.6	1	48.6
1213821	11/17/2016	Planned Outage	126.0	3	42.0
1213822	11/17/2016	Planned Outage	123.4	1	123.4
1213823	11/17/2016	Planned Outage	48.4	1	48.4
1213826	11/17/2016	Planned Outage	324.0	5	64.8
1213830	11/17/2016	Planned Outage	45.7	3	15.2
1213832	11/17/2016	Planned Outage	3.7	1	3.7
1213833	11/17/2016	Planned Outage	1.6	1	1.6
1213837	11/17/2016	Planned Outage	967.7	6	161.3
1213850	11/17/2016	Planned Outage	55.6	1	55.6
1213874	11/17/2016	Planned Outage	143.5	1	143.5
1214021	11/18/2016	Planned Outage	6,873.5	14	491.0
1214022	11/18/2016	Planned Outage	119.9	1	119.9
1214023	11/18/2016	Planned Outage	225.0	1	225.0
1214026	11/18/2016	Planned Outage	484.1	4	121.0
1214028	11/18/2016	Planned Outage	64.3	1	64.3
1214030	11/18/2016	Planned Outage	153.1	4	38.3
1214031	11/18/2016	Planned Outage	248.0	3	82.7
1214033	11/18/2016	Planned Outage	321.3	2	160.7
1214034	11/18/2016	Planned Outage	318.7	1	318.7
1214040	11/18/2016	Planned Outage	189.5	1	189.5
1214041	11/18/2016	Planned Outage	14.7	1	14.7
1214043	11/18/2016	Planned Outage	45.4	1	45.4
1214045	11/18/2016	Planned Outage	84.2	1	84.2
1214046	11/18/2016	Planned Outage	321.9	17	18.9
1214047	11/18/2016	Planned Outage	112.5	3	37.5

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2016 Planned Outages Table

1214048	11/18/2016	Planned Outage	37.2	4	9.3
1214049	11/18/2016	Planned Outage	33.3	3	11.1
1214055	11/18/2016	Planned Outage	115.8	1	115.8
1214065	11/18/2016	Planned Outage	181.6	12	15.1
1214104	11/18/2016	Planned Outage	75.5	1	75.5
1214194	11/19/2016	Planned Outage	201.1	3	67.0
1214374	11/19/2016	Planned Outage	14.2	1	14.2
1214416	11/19/2016	Planned Outage	153.2	1	153.2
1214417	11/19/2016	Planned Outage	78.0	4	19.5
1214420	11/19/2016	Planned Outage	116.1	1	116.1
1214495	11/20/2016	Planned Outage	732.2	3	244.1
1214589	11/21/2016	Planned Outage	7,050.4	14	503.6
1214605	11/21/2016	Planned Outage	9.3	1	9.3
1214608	11/21/2016	Planned Outage	639.5	6	106.6
1214609	11/21/2016	Planned Outage	100.2	4	25.1
1214612	11/21/2016	Planned Outage	2,518.1	13	193.7
1214613	11/21/2016	Planned Outage	7,153.3	37	193.3
1214615	11/21/2016	Planned Outage	159.3	5	31.9
1214631	11/21/2016	Planned Outage	12.6	1	12.6
1214641	11/21/2016	Planned Outage	12.2	1	12.2
1214647	11/21/2016	Planned Outage	133.9	4	33.5
1214651	11/21/2016	Planned Outage	322.9	3	107.6
1214652	11/21/2016	Planned Outage	179.2	1	179.2
1214655	11/21/2016	Planned Outage	16.3	1	16.3
1214658	11/21/2016	Planned Outage	18.9	2	9.4
1214659	11/21/2016	Planned Outage	340.7	9	37.9
1214660	11/21/2016	Planned Outage	181.5	4	45.4
1214682	11/21/2016	Planned Outage	260.2	3	86.7
1214685	11/21/2016	Planned Outage	38.0	1	38.0
1214691	11/21/2016	Planned Outage	9.1	1	9.1
1214696	11/21/2016	Planned Outage	173.4	4	43.4
1214704	11/21/2016	Planned Outage	96.0	16	6.0
1214729	11/21/2016	Planned Outage	23.3	5	4.7
1214730	11/21/2016	Planned Outage	53.3	1	53.3
1214747	11/21/2016	Planned Outage	41.7	1	41.7
1214753	11/21/2016	Planned Outage	51,047.3	221	231.0
1214763	11/22/2016	Planned Outage	9,401.3	22	427.3
1214777	11/22/2016	Planned Outage	7,179.0	14	512.8
1214788	11/22/2016	Planned Outage	4.1	1	4.1
1214811	11/22/2016	Planned Outage	3,137.4	21	149.4
1214813	11/22/2016	Planned Outage	874.5	30	29.2
1214822	11/22/2016	Planned Outage	1,305.5	73	17.9
1214825	11/22/2016	Planned Outage	125.7	1	125.7
1214832	11/22/2016	Planned Outage	3,451.5	130	26.6
1214836	11/22/2016	Planned Outage	170.2	5	34.0
1214840	11/22/2016	Planned Outage	42.5	1	42.5
1214854	11/22/2016	Planned Outage	43.1	1	43.1
1214861	11/22/2016	Planned Outage	214.2	1	214.2
1214873	11/22/2016	Planned Outage	966.8	4	241.7

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2016 Planned Outages Table

1214898	11/23/2016	Planned Outage	160.0	10	16.0
1214899	11/23/2016	Planned Outage	82.2	1	82.2
1214902	11/23/2016	Planned Outage	152.8	1	152.8
1214905	11/23/2016	Planned Outage	6,586.1	14	470.4
1214908	11/23/2016	Planned Outage	178.7	4	44.7
1214909	11/23/2016	Planned Outage	520.2	3	173.4
1214911	11/23/2016	Planned Outage	240.8	3	80.3
1214914	11/23/2016	Planned Outage	42.6	1	42.6
1214917	11/23/2016	Planned Outage	649.2	72	9.0
1214918	11/23/2016	Planned Outage	41.0	1	41.0
1214919	11/23/2016	Planned Outage	25.5	2	12.7
1214921	11/23/2016	Planned Outage	52.6	3	17.5
1214922	11/23/2016	Planned Outage	14.5	1	14.5
1214923	11/23/2016	Planned Outage	26.3	3	8.8
1214924	11/23/2016	Planned Outage	68.0	1	68.0
1214926	11/23/2016	Planned Outage	5.8	2	2.9
1214927	11/23/2016	Planned Outage	214.8	2	107.4
1214928	11/23/2016	Planned Outage	84.2	2	42.1
1214933	11/23/2016	Planned Outage	633.3	37	17.1
1214937	11/23/2016	Planned Outage	89.3	2	44.6
1214948	11/23/2016	Planned Outage	192.1	2	96.1
1214949	11/23/2016	Planned Outage	81.8	5	16.4
1214964	11/23/2016	Planned Outage	233.7	4	58.4
1214966	11/23/2016	Planned Outage	46.3	1	46.3
1214977	11/23/2016	Planned Outage	21.6	4	5.4
1215024	11/24/2016	Planned Outage	24.6	1	24.6
1215120	11/25/2016	Planned Outage	37.0	1	37.0
1215145	11/26/2016	Planned Outage	469.0	1	469.0
1215157	11/26/2016	Planned Outage	118.6	1	118.6
1215285	11/28/2016	Planned Outage	7,930.1	14	566.4
1215290	11/28/2016	Planned Outage	420.9	2	210.5
1215292	11/28/2016	Planned Outage	26.2	1	26.2
1215293	11/28/2016	Planned Outage	196.9	1	196.9
1215294	11/28/2016	Planned Outage	123.8	2	61.9
1215296	11/28/2016	Planned Outage	55.6	2	27.8
1215299	11/28/2016	Planned Outage	535.2	24	22.3
1215301	11/28/2016	Planned Outage	671.0	6	111.8
1215303	11/28/2016	Planned Outage	679.8	11	61.8
1215306	11/28/2016	Planned Outage	540.4	6	90.1
1215311	11/28/2016	Planned Outage	29.3	1	29.3
1215341	11/28/2016	Planned Outage	5,728.7	40	143.2
1215346	11/28/2016	Planned Outage	736.3	3	245.4
1215348	11/28/2016	Planned Outage	21.5	1	21.5
1215350	11/28/2016	Planned Outage	357.0	7	51.0
1215351	11/28/2016	Planned Outage	78.5	3	26.2
1215354	11/28/2016	Planned Outage	220.5	1	220.5
1215361	11/28/2016	Planned Outage	930.2	10	93.0
1215412	11/28/2016	Planned Outage	123.3	10	12.3
1215437	11/28/2016	Planned Outage	11.2	1	11.2

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2016 Planned Outages Table

1215476	11/28/2016	Planned Outage	34.5	1	34.5
1215479	11/28/2016	Planned Outage	20.2	1	20.2
1215575	11/29/2016	Planned Outage	361.3	2	180.7
1215580	11/29/2016	Planned Outage	266.0	2	133.0
1215590	11/29/2016	Planned Outage	124.5	1	124.5
1215594	11/29/2016	Planned Outage	116.4	1	116.4
1215595	11/29/2016	Planned Outage	334.8	7	47.8
1215596	11/29/2016	Planned Outage	14.2	1	14.2
1215602	11/29/2016	Planned Outage	14.3	1	14.3
1215603	11/29/2016	Planned Outage	71.7	2	35.9
1215605	11/29/2016	Planned Outage	100.4	3	33.5
1215677	11/29/2016	Planned Outage	9.1	1	9.1
1215679	11/29/2016	Planned Outage	9.0	1	9.0
1215683	11/29/2016	Planned Outage	16.9	2	8.5
1215686	11/29/2016	Planned Outage	113.8	3	37.9
1215689	11/29/2016	Planned Outage	14.6	2	7.3
1215693	11/29/2016	Planned Outage	2,889.2	372	7.8
1215721	11/29/2016	Planned Outage	64.2	1	64.2
1215723	11/29/2016	Planned Outage	156.7	3	52.2
1215783	11/30/2016	Planned Outage	81.0	1	81.0
1215791	11/30/2016	Planned Outage	8.8	1	8.8
1215794	11/30/2016	Planned Outage	63.4	3	21.1
1215795	11/30/2016	Planned Outage	11.7	3	3.9
1215797	11/30/2016	Planned Outage	113.9	1	113.9
1215803	11/30/2016	Planned Outage	306.7	4	76.7
1215806	11/30/2016	Planned Outage	259.4	7	37.1
1215807	11/30/2016	Planned Outage	336.6	3	112.2
1215809	11/30/2016	Planned Outage	64.7	1	64.7
1215814	11/30/2016	Planned Outage	285.8	4	71.5
1215818	11/30/2016	Planned Outage	156.6	2	78.3
1215821	11/30/2016	Planned Outage	41.3	1	41.3
1215822	11/30/2016	Planned Outage	77.2	3	25.7
1215866	11/30/2016	Planned Outage	12.4	1	12.4
1216067	11/30/2016	Planned Outage	159.8	5	32.0
1216081	11/30/2016	Planned Outage	106.3	6	17.7
1216124	12/1/2016	Planned Outage	23.9	1	23.9
1216137	12/1/2016	Planned Outage	118.4	1	118.4
1216144	12/1/2016	Planned Outage	1,137.0	9	126.3
1216147	12/1/2016	Planned Outage	6,735.2	46	146.4
1216148	12/1/2016	Planned Outage	367.4	2	183.7
1216156	12/1/2016	Planned Outage	33.6	1	33.6
1216161	12/1/2016	Planned Outage	122.1	1	122.1
1216170	12/1/2016	Planned Outage	143.8	2	71.9
1216172	12/1/2016	Planned Outage	5,557.2	133	41.8
1216177	12/1/2016	Planned Outage	638.3	25	25.5
1216179	12/1/2016	Planned Outage	23.1	1	23.1
1216180	12/1/2016	Planned Outage	59.9	2	30.0
1216181	12/1/2016	Planned Outage	1,057.6	7	151.1
1216184	12/1/2016	Planned Outage	24.1	1	24.1

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2016 Planned Outages Table

1216190	12/1/2016	Planned Outage	29.8	1	29.8
1216191	12/1/2016	Planned Outage	345.4	11	31.4
1216197	12/1/2016	Planned Outage	23.7	1	23.7
1216199	12/1/2016	Planned Outage	55.8	1	55.8
1216216	12/1/2016	Planned Outage	49.2	1	49.2
1216224	12/1/2016	Planned Outage	59.8	6	10.0
1216225	12/1/2016	Planned Outage	48.9	1	48.9
1216240	12/2/2016	Planned Outage	268.8	5	53.8
1216259	12/2/2016	Planned Outage	8,402.9	67	125.4
1216264	12/2/2016	Planned Outage	135.2	7	19.3
1216269	12/2/2016	Planned Outage	50.7	1	50.7
1216271	12/2/2016	Planned Outage	12.1	1	12.1
1216274	12/2/2016	Planned Outage	42.2	2	21.1
1216276	12/2/2016	Planned Outage	38.9	1	38.9
1216277	12/2/2016	Planned Outage	222.1	16	13.9
1216278	12/2/2016	Planned Outage	43.7	1	43.7
1216279	12/2/2016	Planned Outage	39.9	1	39.9
1216281	12/2/2016	Planned Outage	598.2	12	49.9
1216286	12/2/2016	Planned Outage	31.7	1	31.7
1216287	12/2/2016	Planned Outage	29.6	1	29.6
1216291	12/2/2016	Planned Outage	70.0	2	35.0
1216294	12/2/2016	Planned Outage	13.3	1	13.3
1216295	12/2/2016	Planned Outage	41.4	1	41.4
1216296	12/2/2016	Planned Outage	2.0	2	1.0
1216297	12/2/2016	Planned Outage	11.6	1	11.6
1216298	12/2/2016	Planned Outage	49.0	1	49.0
1216305	12/2/2016	Planned Outage	11.9	1	11.9
1216380	12/3/2016	Planned Outage	14.6	1	14.6
1217086	12/5/2016	Planned Outage	241.9	3	80.6
1217087	12/5/2016	Planned Outage	605.9	9	67.3
1217097	12/5/2016	Planned Outage	124.9	1	124.9
1217099	12/5/2016	Planned Outage	50.0	1	50.0
1217103	12/5/2016	Planned Outage	155.4	1	155.4
1217104	12/5/2016	Planned Outage	2,030.4	11	184.6
1217112	12/5/2016	Planned Outage	118.6	4	29.7
1217122	12/5/2016	Planned Outage	419.9	6	70.0
1217130	12/5/2016	Planned Outage	258.5	4	64.6
1217131	12/5/2016	Planned Outage	12.7	1	12.7
1217133	12/5/2016	Planned Outage	35.0	1	35.0
1217149	12/5/2016	Planned Outage	18.5	1	18.5
1217150	12/5/2016	Planned Outage	63.0	3	21.0
1217164	12/5/2016	Planned Outage	88.5	4	22.1
1217166	12/5/2016	Planned Outage	196.3	4	49.1
1217487	12/6/2016	Planned Outage	80.9	1	80.9
1217501	12/6/2016	Planned Outage	61.9	1	61.9
1217504	12/6/2016	Planned Outage	270.7	7	38.7
1217506	12/6/2016	Planned Outage	110.2	2	55.1
1217507	12/6/2016	Planned Outage	70.7	2	35.3
1217510	12/6/2016	Planned Outage	656.4	5	131.3

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2016 Planned Outages Table

1217514	12/6/2016	Planned Outage	40.5	4	10.1
1217520	12/6/2016	Planned Outage	1.8	1	1.8
1217524	12/6/2016	Planned Outage	171.7	2	85.8
1217528	12/6/2016	Planned Outage	320.9	3	107.0
1217534	12/6/2016	Planned Outage	105.1	1	105.1
1217545	12/6/2016	Planned Outage	43.3	2	21.7
1217554	12/6/2016	Planned Outage	149.5	1	149.5
1217556	12/6/2016	Planned Outage	77.8	3	25.9
1217561	12/6/2016	Planned Outage	927.2	8	115.9
1217572	12/6/2016	Planned Outage	3,294.2	26	126.7
1217576	12/6/2016	Planned Outage	82.3	3	27.4
1217577	12/6/2016	Planned Outage	24.8	1	24.8
1217598	12/6/2016	Planned Outage	1,465.4	68	21.6
1217606	12/6/2016	Planned Outage	41.0	2	20.5
1217635	12/6/2016	Planned Outage	127.9	4	32.0
1217643	12/6/2016	Planned Outage	748.9	17	44.1
1217652	12/7/2016	Planned Outage	2,500.4	5	500.1
1217653	12/7/2016	Planned Outage	4,359.0	9	484.3
1217654	12/7/2016	Planned Outage	444.0	1	444.0
1217656	12/7/2016	Planned Outage	1,332.0	3	444.0
1217685	12/7/2016	Planned Outage	17.2	1	17.2
1217692	12/7/2016	Planned Outage	179.7	7	25.7
1217695	12/7/2016	Planned Outage	74.6	1	74.6
1217696	12/7/2016	Planned Outage	107.5	7	15.4
1217697	12/7/2016	Planned Outage	9,379.7	16	586.2
1217699	12/7/2016	Planned Outage	119.2	1	119.2
1217704	12/7/2016	Planned Outage	90.6	3	30.2
1217707	12/7/2016	Planned Outage	75,334.1	403	186.9
1217717	12/7/2016	Planned Outage	488.0	5	97.6
1217718	12/7/2016	Planned Outage	76.1	2	38.0
1217720	12/7/2016	Planned Outage	30.2	1	30.2
1217724	12/7/2016	Planned Outage	138.4	2	69.2
1217729	12/7/2016	Planned Outage	481.9	13	37.1
1217730	12/7/2016	Planned Outage	35.0	1	35.0
1217731	12/7/2016	Planned Outage	11,016.0	27	408.0
1217740	12/7/2016	Planned Outage	27.0	1	27.0
1217744	12/7/2016	Planned Outage	693.1	5	138.6
1217748	12/7/2016	Planned Outage	456.7	4	114.2
1217750	12/7/2016	Planned Outage	253.6	1	253.6
1217764	12/7/2016	Planned Outage	85.1	23	3.7
1217769	12/7/2016	Planned Outage	23,164.7	94	246.4
1217777	12/7/2016	Planned Outage	78.2	1	78.2
1217781	12/7/2016	Planned Outage	77.6	1	77.6
1217792	12/7/2016	Planned Outage	29.3	1	29.3
1217816	12/8/2016	Planned Outage	1,080.3	4	270.1
1217817	12/8/2016	Planned Outage	201.8	3	67.3
1217819	12/8/2016	Planned Outage	56.2	1	56.2
1217824	12/8/2016	Planned Outage	50.2	1	50.2
1217828	12/8/2016	Planned Outage	778.4	4	194.6

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2016 Planned Outages Table

1217829	12/8/2016	Planned Outage	530.2	4	132.6
1217831	12/8/2016	Planned Outage	187.8	1	187.8
1217835	12/8/2016	Planned Outage	32.3	1	32.3
1217837	12/8/2016	Planned Outage	287.7	2	143.8
1217845	12/8/2016	Planned Outage	237.7	3	79.2
1217851	12/8/2016	Planned Outage	100.0	1	100.0
1217858	12/8/2016	Planned Outage	62.3	1	62.3
1217861	12/8/2016	Planned Outage	2,292.8	12	191.1
1217866	12/8/2016	Planned Outage	606.0	7	86.6
1217899	12/9/2016	Planned Outage	861.9	5	172.4
1218016	12/9/2016	Planned Outage	135.7	4	33.9
1218017	12/9/2016	Planned Outage	140.9	2	70.5
1218019	12/9/2016	Planned Outage	205.3	4	51.3
1218021	12/9/2016	Planned Outage	471.8	19	24.8
1218022	12/9/2016	Planned Outage	35.0	1	35.0
1218027	12/9/2016	Planned Outage	4.4	1	4.4
1218029	12/9/2016	Planned Outage	35.8	1	35.8
1218030	12/9/2016	Planned Outage	465.6	2	232.8
1218031	12/9/2016	Planned Outage	84.6	2	42.3
1218039	12/9/2016	Planned Outage	121.2	1	121.2
1218045	12/9/2016	Planned Outage	13.3	1	13.3
1218046	12/9/2016	Planned Outage	98.7	4	24.7
1218055	12/9/2016	Planned Outage	593.0	4	148.3
1218057	12/9/2016	Planned Outage	10.1	1	10.1
1218570	12/12/2016	Planned Outage	9,108.0	92	99.0
1218578	12/12/2016	Planned Outage	1,980.7	23	86.1
1218579	12/12/2016	Planned Outage	58.5	1	58.5
1218580	12/12/2016	Planned Outage	76.4	1	76.4
1218581	12/12/2016	Planned Outage	93.7	10	9.4
1218582	12/12/2016	Planned Outage	72.9	1	72.9
1218584	12/12/2016	Planned Outage	242.0	4	60.5
1218586	12/12/2016	Planned Outage	13.8	3	4.6
1218593	12/12/2016	Planned Outage	1,472.8	19	77.5
1218601	12/12/2016	Planned Outage	2,196.4	39	56.3
1218602	12/12/2016	Planned Outage	7.3	2	3.7
1218603	12/12/2016	Planned Outage	59.9	1	59.9
1218604	12/12/2016	Planned Outage	31.9	7	4.6
1218611	12/12/2016	Planned Outage	55.0	1	55.0
1218612	12/12/2016	Planned Outage	12.5	1	12.5
1218615	12/12/2016	Planned Outage	274.7	3	91.6
1218617	12/12/2016	Planned Outage	13.1	1	13.1
1218622	12/12/2016	Planned Outage	675.9	6	112.7
1218632	12/12/2016	Planned Outage	300.0	6	50.0
1218636	12/12/2016	Planned Outage	310.1	2	155.0
1218644	12/12/2016	Planned Outage	677.6	5	135.5
1218648	12/12/2016	Planned Outage	30.2	3	10.1
1218652	12/12/2016	Planned Outage	88.6	4	22.2
1218655	12/12/2016	Planned Outage	173.2	5	34.6
1218669	12/12/2016	Planned Outage	156.5	6	26.1

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1218675	12/13/2016	Planned Outage	155.2	1	155.2
1218681	12/13/2016	Planned Outage	16,211.8	66	245.6
1218684	12/13/2016	Planned Outage	507.3	2	253.7
1218685	12/13/2016	Planned Outage	55.6	1	55.6
1218686	12/13/2016	Planned Outage	140.5	3	46.8
1218690	12/13/2016	Planned Outage	3,664.1	9	407.1
1218692	12/13/2016	Planned Outage	103.1	1	103.1
1218693	12/13/2016	Planned Outage	426.9	4	106.7
1218694	12/13/2016	Planned Outage	99.0	2	49.5
1218696	12/13/2016	Planned Outage	43.7	1	43.7
1218697	12/13/2016	Planned Outage	11.6	4	2.9
1218698	12/13/2016	Planned Outage	62.8	2	31.4
1218699	12/13/2016	Planned Outage	1,870.0	10	187.0
1218700	12/13/2016	Planned Outage	616.1	8	77.0
1218701	12/13/2016	Planned Outage	66.7	3	22.2
1218702	12/13/2016	Planned Outage	524.2	6	87.4
1218703	12/13/2016	Planned Outage	48.7	2	24.4
1218704	12/13/2016	Planned Outage	563.0	3	187.7
1218713	12/13/2016	Planned Outage	173.7	4	43.4
1218716	12/13/2016	Planned Outage	17.0	1	17.0
1218722	12/13/2016	Planned Outage	2,075.5	5	415.1
1218724	12/13/2016	Planned Outage	172.1	4	43.0
1218733	12/13/2016	Planned Outage	51.6	1	51.6
1218734	12/13/2016	Planned Outage	15.1	1	15.1
1218736	12/13/2016	Planned Outage	11.2	1	11.2
1218760	12/13/2016	Planned Outage	364.8	3	121.6
1218779	12/13/2016	Planned Outage	2,341.8	18	130.1
1219151	12/14/2016	Planned Outage	237.7	1	237.7
1219269	12/14/2016	Planned Outage	108.9	1	108.9
1219279	12/14/2016	Planned Outage	1,075.9	14	76.9
1219280	12/14/2016	Planned Outage	399.9	6	66.7
1219287	12/14/2016	Planned Outage	3,918.8	35	112.0
1219291	12/14/2016	Planned Outage	263.7	6	44.0
1219302	12/14/2016	Planned Outage	61.4	1	61.4
1219303	12/14/2016	Planned Outage	10.9	1	10.9
1219312	12/14/2016	Planned Outage	50.1	2	25.1
1219313	12/14/2016	Planned Outage	23.3	1	23.3
1219314	12/14/2016	Planned Outage	1,599.9	73	21.9
1219318	12/14/2016	Planned Outage	82.7	8	10.3
1219322	12/14/2016	Planned Outage	3,346.2	170	19.7
1219325	12/14/2016	Planned Outage	16.0	1	16.0
1219330	12/14/2016	Planned Outage	51.1	1	51.1
1219337	12/14/2016	Planned Outage	15.5	1	15.5
1219348	12/14/2016	Planned Outage	440.8	3	146.9
1219360	12/14/2016	Planned Outage	488.1	4	122.0
1219364	12/14/2016	Planned Outage	25.0	1	25.0
1219369	12/14/2016	Planned Outage	40.6	1	40.6
1219378	12/14/2016	Planned Outage	916.0	53	17.3
1219394	12/15/2016	Planned Outage	1,617.0	9	179.7

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2016 Planned Outages Table

1219401	12/15/2016	Planned Outage	4,857.3	42	115.7
1219404	12/15/2016	Planned Outage	416.4	6	69.4
1219406	12/15/2016	Planned Outage	919.7	31	29.7
1219408	12/15/2016	Planned Outage	76.9	1	76.9
1219409	12/15/2016	Planned Outage	90.2	4	22.6
1219411	12/15/2016	Planned Outage	1,471.4	12	122.6
1219415	12/15/2016	Planned Outage	52.2	1	52.2
1219417	12/15/2016	Planned Outage	2,488.8	17	146.4
1219418	12/15/2016	Planned Outage	147.8	1	147.8
1219420	12/15/2016	Planned Outage	259.9	2	130.0
1219427	12/15/2016	Planned Outage	4,900.9	59	83.1
1219429	12/15/2016	Planned Outage	785.3	3	261.8
1219431	12/15/2016	Planned Outage	125.9	1	125.9
1219434	12/15/2016	Planned Outage	6,051.7	50	121.0
1219437	12/15/2016	Planned Outage	111.1	4	27.8
1219438	12/15/2016	Planned Outage	23.7	1	23.7
1219443	12/15/2016	Planned Outage	18.9	1	18.9
1219444	12/15/2016	Planned Outage	23.1	1	23.1
1219448	12/15/2016	Planned Outage	5.9	1	5.9
1219449	12/15/2016	Planned Outage	22.3	1	22.3
1219450	12/15/2016	Planned Outage	14.6	1	14.6
1219451	12/15/2016	Planned Outage	216.7	2	108.3
1219458	12/15/2016	Planned Outage	993.2	27	36.8
1219464	12/15/2016	Planned Outage	196.5	4	49.1
1219484	12/15/2016	Planned Outage	979.2	9	108.8
1219485	12/15/2016	Planned Outage	67.7	1	67.7
1219499	12/16/2016	Planned Outage	261.2	1	261.2
1219507	12/16/2016	Planned Outage	114.9	1	114.9
1219508	12/16/2016	Planned Outage	102.6	1	102.6
1219513	12/16/2016	Planned Outage	988.3	7	141.2
1219516	12/16/2016	Planned Outage	55.1	1	55.1
1219518	12/16/2016	Planned Outage	8.3	1	8.3
1219520	12/16/2016	Planned Outage	18.0	1	18.0
1219524	12/16/2016	Planned Outage	47.7	1	47.7
1219531	12/16/2016	Planned Outage	868.2	12	72.4
1219537	12/16/2016	Planned Outage	40.8	1	40.8
1219539	12/16/2016	Planned Outage	315.2	7	45.0
1219541	12/16/2016	Planned Outage	105.9	1	105.9
1219543	12/16/2016	Planned Outage	2,356.6	11	214.2
1219562	12/16/2016	Planned Outage	329.9	5	66.0
1219567	12/16/2016	Planned Outage	29.8	1	29.8
1219611	12/17/2016	Planned Outage	377.5	5	75.5
1219628	12/17/2016	Planned Outage	1,349.8	5	270.0
1219648	12/17/2016	Planned Outage	20.6	1	20.6
1219664	12/17/2016	Planned Outage	67.7	4	16.9
1219671	12/17/2016	Planned Outage	62.2	4	15.6
1219674	12/17/2016	Planned Outage	206.2	2	103.1
1219735	12/18/2016	Planned Outage	28.4	1	28.4
1219787	12/19/2016	Planned Outage	213.9	2	107.0

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2016 Planned Outages Table

1219821	12/19/2016	Planned Outage	140.6	1	140.6
1219825	12/19/2016	Planned Outage	16.5	1	16.5
1219828	12/19/2016	Planned Outage	64.8	2	32.4
1219831	12/19/2016	Planned Outage	103.4	1	103.4
1219840	12/19/2016	Planned Outage	54.7	1	54.7
1219851	12/19/2016	Planned Outage	93.4	2	46.7
1219859	12/19/2016	Planned Outage	118.6	1	118.6
1219860	12/19/2016	Planned Outage	234.9	2	117.5
1219861	12/19/2016	Planned Outage	952.1	8	119.0
1219862	12/19/2016	Planned Outage	118.3	1	118.3
1219866	12/19/2016	Planned Outage	68.9	4	17.2
1219871	12/19/2016	Planned Outage	402.0	3	134.0
1219904	12/19/2016	Planned Outage	192.2	2	96.1
1219920	12/20/2016	Planned Outage	437.3	6	72.9
1219933	12/20/2016	Planned Outage	313.0	5	62.6
1219935	12/20/2016	Planned Outage	214.5	2	107.2
1219943	12/20/2016	Planned Outage	1,918.4	32	60.0
1219946	12/20/2016	Planned Outage	59.2	2	29.6
1219947	12/20/2016	Planned Outage	939.0	3	313.0
1219955	12/20/2016	Planned Outage	1.7	1	1.7
1219956	12/20/2016	Planned Outage	775.7	4	193.9
1219961	12/20/2016	Planned Outage	196.3	1	196.3
1219963	12/20/2016	Planned Outage	350.1	4	87.5
1219964	12/20/2016	Planned Outage	68.7	4	17.2
1219967	12/20/2016	Planned Outage	227.6	24	9.5
1219970	12/20/2016	Planned Outage	300.0	4	75.0
1219972	12/20/2016	Planned Outage	153.7	1	153.7
1219987	12/20/2016	Planned Outage	391.8	5	78.4
1219988	12/20/2016	Planned Outage	112.0	2	56.0
1219998	12/20/2016	Planned Outage	622.8	6	103.8
1220001	12/20/2016	Planned Outage	380.9	3	127.0
1220006	12/20/2016	Planned Outage	70.0	2	35.0
1220019	12/20/2016	Planned Outage	1,385.8	11	126.0
1220250	12/21/2016	Planned Outage	87.9	5	17.6
1220255	12/21/2016	Planned Outage	120.0	1	120.0
1220256	12/21/2016	Planned Outage	58.7	1	58.7
1220273	12/21/2016	Planned Outage	53.0	6	8.8
1220274	12/21/2016	Planned Outage	49.5	5	9.9
1220275	12/21/2016	Planned Outage	10.6	1	10.6
1220276	12/21/2016	Planned Outage	46.9	4	11.7
1220277	12/21/2016	Planned Outage	12.5	1	12.5
1220285	12/21/2016	Planned Outage	843.7	4	210.9
1220287	12/21/2016	Planned Outage	347.1	7	49.6
1220290	12/21/2016	Planned Outage	43.8	1	43.8
1220295	12/21/2016	Planned Outage	3,011.3	34	88.6
1220297	12/21/2016	Planned Outage	598.4	7	85.5
1220298	12/21/2016	Planned Outage	2,357.6	93	25.4
1220300	12/21/2016	Planned Outage	2,231.6	84	26.6
1220303	12/21/2016	Planned Outage	63.2	1	63.2

Appendix 1

2016 Planned Outages Table

1220304	12/21/2016	Planned Outage	122.1	1	122.1
1220305	12/21/2016	Planned Outage	121.6	1	121.6
1220307	12/21/2016	Planned Outage	100.1	2	50.1
1220309	12/21/2016	Planned Outage	69.8	1	69.8
1220310	12/21/2016	Planned Outage	634.3	6	105.7
1220311	12/21/2016	Planned Outage	264.5	4	66.1
1220312	12/21/2016	Planned Outage	329.8	5	66.0
1220319	12/21/2016	Planned Outage	9,929.8	65	152.8
1220323	12/21/2016	Planned Outage	8.0	1	8.0
1220338	12/21/2016	Planned Outage	542.3	6	90.4
1220376	12/21/2016	Planned Outage	335.8	2	167.9
1220395	12/22/2016	Planned Outage	3,544.2	11	322.2
1220412	12/22/2016	Planned Outage	118.5	2	59.3
1220416	12/22/2016	Planned Outage	784.1	9	87.1
1220418	12/22/2016	Planned Outage	142.7	1	142.7
1220425	12/22/2016	Planned Outage	30.1	1	30.1
1220435	12/22/2016	Planned Outage	104.2	2	52.1
1220436	12/22/2016	Planned Outage	6.9	1	6.9
1220548	12/23/2016	Planned Outage	30.4	1	30.4
1220770	12/27/2016	Planned Outage	1,174.2	9	130.5
1220775	12/27/2016	Planned Outage	69.5	2	34.7
1220776	12/27/2016	Planned Outage	945.5	7	135.1
1220778	12/27/2016	Planned Outage	1,728.1	49	35.3
1220788	12/27/2016	Planned Outage	50.7	4	12.7
1220789	12/27/2016	Planned Outage	93.0	1	93.0
1220792	12/27/2016	Planned Outage	61.2	1	61.2
1220799	12/27/2016	Planned Outage	44.0	1	44.0
1220809	12/27/2016	Planned Outage	5,312.0	21	253.0
1220815	12/27/2016	Planned Outage	416.3	7	59.5
1220817	12/27/2016	Planned Outage	65.0	1	65.0
1220822	12/27/2016	Planned Outage	76.7	1	76.7
1220825	12/27/2016	Planned Outage	279.3	3	93.1
1220829	12/27/2016	Planned Outage	54.0	1	54.0
1220830	12/27/2016	Planned Outage	159.0	3	53.0
1220840	12/27/2016	Planned Outage	476.5	4	119.1
1220873	12/28/2016	Planned Outage	64.6	1	64.6
1220874	12/28/2016	Planned Outage	7,870.8	63	124.9
1220876	12/28/2016	Planned Outage	34.5	1	34.5
1220883	12/28/2016	Planned Outage	238.0	12	19.8
1220889	12/28/2016	Planned Outage	60.3	2	30.2
1220890	12/28/2016	Planned Outage	171.7	17	10.1
1220899	12/28/2016	Planned Outage	147.3	4	36.8
1220904	12/28/2016	Planned Outage	155.7	2	77.9
1220911	12/28/2016	Planned Outage	55.5	4	13.9
1220913	12/28/2016	Planned Outage	54.4	1	54.4
1220921	12/28/2016	Planned Outage	117.7	3	39.2
1220930	12/28/2016	Planned Outage	214.5	17	12.6
1220938	12/28/2016	Planned Outage	128.4	2	64.2
1220946	12/29/2016	Planned Outage	71.9	1	71.9

Appendix 1

2016 Planned Outages Table

1220950	12/29/2016	Planned Outage	2,982.8	22	135.6
1220953	12/29/2016	Planned Outage	23.0	1	23.0
1220970	12/29/2016	Planned Outage	491.5	4	122.9
1220971	12/29/2016	Planned Outage	98.5	1	98.5
1220974	12/29/2016	Planned Outage	96.8	3	32.3
1220975	12/29/2016	Planned Outage	1,041.5	6	173.6
1221004	12/29/2016	Planned Outage	36.9	1	36.9
1221005	12/29/2016	Planned Outage	9.3	1	9.3
1221014	12/29/2016	Planned Outage	25.5	3	8.5
1221020	12/29/2016	Planned Outage	139.1	3	46.4
1221052	12/29/2016	Planned Outage	132.7	2	66.4
1221064	12/29/2016	Planned Outage	41.7	1	41.7
1221067	12/29/2016	Planned Outage	39.6	1	39.6
1221088	12/30/2016	Planned Outage	847.3	4	211.8
1221102	12/30/2016	Planned Outage	514.9	38	13.6
1221124	12/30/2016	Planned Outage	2,000.0	25	80.0
1221131	12/30/2016	Planned Outage	63.8	2	31.9
1221149	12/30/2016	Planned Outage	69.3	5	13.9

Appendix 2

APPENDIX 2

Gulf Power Company Annual Wood Pole Inspection Report (Reporting Year 2016)

a	b	c	d	e	f	g	h	i	j	k	l	m
Total # of Wooden Poles in the Company Inventory	# of Pole Inspections Planned this Annual Inspection	# of Poles Inspected this Annual Inspection	# of Poles Failing Inspection this Annual Inspection	Pole Failure Rate (%) this Annual Inspection	# of Poles Designated for Replacement this Annual Inspection	Total # of Poles Replaced this Annual Inspection	# of Poles Requiring Minor Follow-up this Annual Inspection	# of Poles Overloaded this Annual Inspection	Method(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
207,889 (Note 3)	26,000	25,580 (Note 1)	746	2.92	668	641 (Note 2)	78		V, E, S, B	26,000	78,347	38%
If b – c > 0, provide explanation												
If d – g > 0, provide explanation												
Note 1: Gulf started the third year of the second eight year cycle in 2016.												
Note 2: Pole inspections were completed in 2016 and remaining repairs have been scheduled for 2017.												
Note 3: This total represents wooden poles only.												
Description of selection criteria for inspections												
Gulf is systematically moving across its system. Poles are selected for inspection on a geographical basis.												

Appendix 3

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(c) Number of Overhead		(d) Number of Overhead		(e) Number of Customers served on		(f) CMI for		(g) CI for		(h) Number of		(i) Number of		(j) Number of		(k) CMI for		(l) CI for	
		Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Overhead Lateral Lines	Overhead Lateral Miles	Overhead Lateral Lines	Overhead Lateral Miles	Overhead Lateral Lines	Overhead Lateral Miles	Underground Lateral Lines	Underground Lateral Miles	Underground Lateral Lines	Underground Lateral Miles	Underground Lateral Lines	Underground Lateral Miles	Underground Lateral Lines	Underground Lateral Miles	Underground Lateral Lines	Underground Lateral Miles
18	WESTERN	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	0.00	0	0	0
514	WESTERN	0	0	1	0	0	0	0.00	0	0	0	0	0	0	0	0	0	0.00	0	0	0
804	WESTERN	2	0	0	0	1	0	0.00	0	0	0	5	1	1	0	0	0	0.00	1	0	0
2222	EASTERN	0	0	1	0	1	0	0.00	0	0	0	1	1	1	18	0	0	0.00	0	0	0
2613	CENTRAL	5	2	17	1,242.93	0	0	1,242.93	16	0	0	0	0	0	0	0	0.00	0	0	0	
2619	CENTRAL	13	5	70	44,456.95	0	0	44,456.95	299	0	0	0	0	0	0	0	0.00	0	0	0	
5202	WESTERN	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0.00	0	0	0	
5212	WESTERN	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0.00	0	0	0	
5222	WESTERN	0	0	0	0	0	0	0.00	0	0	0	1	0	0	0	0	0.00	0	0	0	
5232	WESTERN	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0.00	0	0	0	
5242	WESTERN	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0.00	0	0	0	
5262	WESTERN	0	0	0	0	0	0	0.00	0	0	0	1	0	0	0	0	0.00	0	0	0	
5332	WESTERN	90	14	781	203,590.18	0	0	203,590.18	2,730	54	12	54	12	1,303	9,530.57	32	0.00	0	0	0	
5342	WESTERN	26	4	176	57,902.01	0	0	57,902.01	778	22	5	22	5	917	18,804.80	124	0.00	0	0	0	
5352	WESTERN	46	7	154	25,928.68	0	0	25,928.68	153	30	3	30	3	85	505.77	2	0.00	0	0	0	
5362	WESTERN	0	0	0	0	0	0	0.00	0	0	0	0	0	1	0	0	0.00	0	0	0	
5372	WESTERN	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0.00	0	0	0	
5382	WESTERN	463	128	1,826	470,121.47	0	0	470,121.47	3,001	40	7	40	7	210	835.52	3	0.00	0	0	0	
5392	WESTERN	241	62	950	214,750.06	0	0	214,750.06	3,559	26	3	26	3	35	604.08	3	0.00	0	0	0	
5412	WESTERN	1	0	3	536.00	0	0	536.00	3	0	0	0	0	0	0	0	0.00	0	0	0	
5454	EASTERN	0	0	1	0	0	0	0.00	0	0	0	0	0	0	0	0	0.00	0	0	0	
5502	WESTERN	17	2	90	107,810.20	0	0	107,810.20	526	6	10	6	10	512	34,173.18	319	0.00	0	0	0	
5512	WESTERN	140	34	886	110,613.16	0	0	110,613.16	2,316	27	13	27	13	624	0.00	0	0.00	0	0	0	
5522	WESTERN	176	40	946	61,618.03	0	0	61,618.03	485	22	8	22	8	429	1,919.10	12	0.00	0	0	0	
5542	WESTERN	109	33	1,906	96,480.02	0	0	96,480.02	1,112	31	25	31	25	1,557	46,623.15	321	0.00	0	0	0	
5562	WESTERN	89	23	1,800	230,882.13	0	0	230,882.13	2,287	16	5	16	5	340	71,605.09	628	0.00	0	0	0	
5572	WESTERN	30	12	950	26,667.04	0	0	26,667.04	279	14	5	14	5	391	4,529.58	37	0.00	0	0	0	
5582	WESTERN	95	15	888	20,575.57	0	0	20,575.57	219	13	8	13	8	943	874.37	12	0.00	0	0	0	
5592	WESTERN	27	4	262	34,603.77	0	0	34,603.77	171	16	5	16	5	1,133	3,510.02	28	0.00	0	0	0	
5602	WESTERN	307	74	1,914	250,623.28	0	0	250,623.28	2,540	34	12	34	12	152	368.15	2	0.00	0	0	0	
5612	WESTERN	475	134	2,317	336,791.64	0	0	336,791.64	2,771	12	5	12	5	186	26,027.85	245	0.00	0	0	0	
5632	WESTERN	23	6	489	101,789.73	0	0	101,789.73	377	21	8	21	8	775	15,413.60	54	0.00	0	0	0	
5642	WESTERN	103	25	1,728	32,737.99	0	0	32,737.99	370	14	18	14	18	1,143	50,785.26	315	0.00	0	0	0	
5652	CENTRAL	84	16	1,120	206,380.97	0	0	206,380.97	2,059	32	5	32	5	411	0.00	0	0.00	0	0	0	
5662	CENTRAL	96	18	1,710	88,355.39	0	0	88,355.39	992	60	8	60	8	1,354	1,794.90	17	0.00	0	0	0	

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(m) Number of Automatic line Sectionalizing devices on the Lateral Lines	(n) Number of Automatic line Sectionalizing devices on the Feeder	(o) Whether the Feeder Circuit is Loop	(p) Total Length of the Feeder Circuit	(q) Length of Underground portion of the Feeder Circuit	(r) Length of Overhead portion of the Feeder Circuit	(s) Number of Customers served by Overhead Feeders	(t) CMI for Overhead Feeders	(u) CI for Overhead Feeders	(v) Load Growth %	(w) Peak Load MVA
18	WESTERN	0	0	No	0.00	0.00	0.00	0	0.00	0	0.00	0.00
514	WESTERN	0	0	No	0.01	0.00	0.01	1	0.00	0	0.10	3.66
804	WESTERN	0	0	No	2.42	1.23	1.19	2	0.00	0	0.10	0.50
2222	EASTERN	0	0	No	0.75	0.68	0.07	19	0.00	0	0.10	0.03
2613	CENTRAL	0	0	No	2.49	0.00	2.49	17	1,242.93	16	0.10	0.09
2619	CENTRAL	0	0	No	5.24	0.00	5.24	70	44,456.95	299	0.10	0.32
5202	WESTERN	0	0	No	0.03	0.00	0.03	0	0.00	0	0.10	5.09
5212	WESTERN	0	0	No	0.02	0.00	0.02	0	0.00	0	0.10	6.18
5222	WESTERN	0	0	Yes	1.00	0.97	0.03	0	0.00	0	0.10	4.88
5232	WESTERN	0	0	Yes	1.08	1.06	0.02	0	0.00	0	0.10	4.68
5242	WESTERN	0	0	No	0.02	0.00	0.02	0	0.00	0	0.10	1.81
5262	WESTERN	0	0	Yes	1.03	0.96	0.07	0	0.00	0	0.10	4.67
5332	WESTERN	0	0	Yes	30.25	11.61	18.63	2,084	213,120.75	2,762	0.50	12.40
5342	WESTERN	0	0	Yes	10.87	5.35	5.52	1,093	78,127.71	1,995	0.10	9.50
5352	WESTERN	0	0	Yes	11.59	2.69	8.90	239	49,030.35	352	0.50	12.25
5362	WESTERN	0	0	No	3.17	0.03	3.15	1	0.00	0	0.10	6.00
5372	WESTERN	0	0	No	3.14	0.03	3.11	0	0.00	0	0.10	18.95
5382	WESTERN	0	0	No	142.72	6.89	135.82	2,036	790,997.37	8,202	0.25	10.71
5392	WESTERN	0	0	No	66.12	2.77	63.35	985	217,134.47	4,542	0.50	12.16
5412	WESTERN	0	0	No	0.93	0.00	0.93	3	536.00	3	0.10	8.13
5454	EASTERN	0	0	No	0.02	0.00	0.02	1	0.00	0	0.10	20.02
5502	WESTERN	0	0	Yes	15.02	10.26	4.76	602	141,983.38	845	3.00	9.69
5512	WESTERN	1	0	No	49.69	13.09	36.59	1,510	110,613.16	2,316	0.50	11.86
5522	WESTERN	0	0	Yes	52.33	8.09	44.24	1,375	284,436.63	3,183	0.10	6.17
5542	WESTERN	0	0	Yes	61.98	24.83	37.14	3,463	143,103.17	1,433	1.00	18.39
5562	WESTERN	0	0	Yes	30.71	5.10	25.61	2,140	303,514.12	3,893	0.10	9.90
5572	WESTERN	0	0	No	18.60	5.22	13.38	1,341	31,196.62	316	0.10	6.78
5582	WESTERN	0	0	Yes	26.18	7.87	18.31	1,831	21,449.94	231	0.10	10.36
5592	WESTERN	0	0	Yes	14.26	6.77	7.49	1,395	38,113.79	199	0.50	32.40
5602	WESTERN	0	0	Yes	92.11	12.34	79.77	2,066	250,991.43	2,542	0.50	14.31
5612	WESTERN	0	0	Yes	144.78	4.91	139.87	2,503	362,819.49	3,016	1.00	19.31
5632	WESTERN	0	0	Yes	16.49	9.41	7.08	1,264	117,203.33	431	0.25	13.33
5642	WESTERN	0	0	No	47.76	17.53	30.23	2,871	497,541.12	9,168	1.00	15.27
5652	CENTRAL	0	0	No	24.04	5.21	18.83	1,531	206,380.97	2,059	0.25	8.70
5662	CENTRAL	0	0	No	27.99	8.50	19.49	3,064	90,150.29	1,009	0.10	11.43

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(c) Number of Overhead Lateral Lines	(d) Number of Overhead Lateral Miles	(e) Number of Customers served on Overhead Lateral Lines	(f) CMI for Overhead Lateral Lines	(g) CI for Overhead Lateral Lines	(h) Number of Underground Lateral Lines	(i) Number of Underground Lateral Miles	(j) Number of Customers served on Underground Lateral Lines	(k) CMI for Underground Lateral Lines	(l) CI for Underground Lateral Lines
5682	CENTRAL	49	8	867	21,583.06	290	24	2	247	67.00	1
5752	WESTERN	144	27	1,386	588,786.57	2,614	25	21	1,061	2,911.02	15
5762	WESTERN	75	22	1,009	39,557.61	431	15	16	1,179	0.00	0
5772	WESTERN	21	4	131	2,131.14	36	6	3	198	0.00	0
5782	WESTERN	209	64	1,961	221,808.59	3,080	25	20	651	25,917.48	157
5792	WESTERN	281	97	2,345	397,218.30	5,493	47	14	619	2,242.07	13
5822	WESTERN	101	25	1,450	376,598.23	2,577	28	11	730	1,090.29	6
5832	WESTERN	203	59	2,442	103,085.18	1,077	18	3	203	846.90	3
5842	WESTERN	159	35	1,737	17,235.73	255	20	15	1,077	18,226.75	126
5852	WESTERN	85	26	801	13,574.49	152	9	1	11	0.00	0
5872	WESTERN	48	11	675	93,807.52	717	30	15	972	9,294.09	52
5882	CENTRAL	95	22	1,996	98,500.18	1,226	35	5	670	12,603.33	111
5892	CENTRAL	107	27	2,091	213,275.29	2,462	50	18	1,455	8,258.73	50
5902	WESTERN	41	7	593	17,535.86	439	5	3	167	41.12	1
5912	WESTERN	25	2	260	81,048.45	932	34	6	392	810.48	26
5922	WESTERN	48	9	874	31,791.82	339	26	25	1,694	102,713.84	916
5932	WESTERN	61	12	1,053	51,557.52	430	25	14	959	156,533.15	1,257
5942	WESTERN	17	6	671	6,407.87	73	38	8	1,671	37,689.45	189
5952	WESTERN	0	0	0	0.00	0	0	0	0	0.00	0
5972	WESTERN	39	9	654	124,402.79	1,428	17	5	479	13,673.94	103
5982	WESTERN	42	14	960	28,266.35	406	51	13	1,434	23,827.11	104
5992	WESTERN	40	8	628	53,236.76	637	22	11	1,047	7,877.34	28
6022	WESTERN	0	0	0	0.00	0	0	0	0	0.00	0
6032	WESTERN	33	6	342	77,965.15	1,031	20	4	786	116,233.62	772
6042	WESTERN	82	18	1,721	323,478.02	2,153	6	0	48	0.00	0
6052	WESTERN	132	29	1,510	202,745.29	1,971	22	13	1,257	35,117.68	259
6062	WESTERN	72	20	1,639	150,429.20	1,104	7	0	15	0.00	0
6072	WESTERN	109	25	1,306	47,053.10	449	44	24	1,765	97,891.70	301
6082	WESTERN	117	28	1,576	79,685.61	659	17	11	1,023	68.53	1
6092	WESTERN	39	14	904	36,173.87	306	26	8	1,036	10,395.29	79
6212	WESTERN	115	29	1,236	136,885.56	1,622	25	27	1,304	8,165.31	95
6222	WESTERN	75	19	628	33,131.06	1,095	24	13	924	1,629.00	17
6338	WESTERN	0	0	0	0.00	0	0	1	42	0.00	0
6348	WESTERN	0	0	0	0.00	0	0	1	37	0.00	0
6352	WESTERN	0	0	0	0.00	0	0	1	52	0.00	0

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(m) Number of Automatic line Sectionalizing devices on the Lateral Lines	(n) Number of Automatic line Sectionalizing devices on the Feeder	(o) Whether the Feeder Circuit is Loop	(p) Total Length of the Feeder Circuit	(q) Length of Underground portion of the Feeder Circuit	(r) Length of Overhead portion of the Feeder Circuit	(s) Number of Customers served by Overhead Feeders	(t) CMI for Overhead Feeders	(u) CI for Overhead Feeders	(v) Load Growth %	(w) Peak Load MVA
5682	CENTRAL	0	0	No	12.45	2.38	10.07	1,114	21,650.06	291	0.10	9.51
5752	WESTERN	0	0	Yes	52.27	20.93	31.34	2,447	778,673.89	4,668	1.25	12.12
5762	WESTERN	0	0	Yes	40.17	15.52	24.65	2,188	39,557.61	431	1.25	14.65
5772	WESTERN	0	0	Yes	8.40	2.73	5.68	329	2,131.14	36	0.50	2.92
5782	WESTERN	0	0	Yes	89.28	19.87	69.41	2,612	247,726.07	3,237	1.00	12.55
5792	WESTERN	0	0	No	118.26	14.07	104.20	2,964	399,460.37	5,506	1.00	19.94
5822	WESTERN	0	0	Yes	39.78	11.21	28.57	2,180	442,222.09	3,953	0.50	13.76
5832	WESTERN	0	0	Yes	68.00	2.52	65.48	2,645	103,932.08	1,080	0.25	11.65
5842	WESTERN	0	0	No	55.33	14.68	40.64	2,814	35,462.48	381	1.00	12.06
5852	WESTERN	0	0	Yes	29.49	1.11	28.38	812	13,574.49	152	0.10	7.39
5872	WESTERN	0	0	No	27.63	15.18	12.45	1,647	103,101.61	769	0.25	10.55
5882	CENTRAL	0	0	No	28.38	5.03	23.35	2,666	111,103.51	1,337	0.25	17.25
5892	CENTRAL	0	0	No	51.61	17.95	33.66	3,546	221,534.02	2,512	0.25	26.91
5902	WESTERN	0	0	Yes	11.23	3.09	8.14	760	21,074.38	962	0.10	22.86
5912	WESTERN	0	0	Yes	11.67	6.62	5.05	652	82,166.93	1,035	0.10	12.75
5922	WESTERN	0	0	Yes	38.33	25.33	13.00	2,568	134,505.66	1,255	0.25	13.61
5932	WESTERN	0	0	Yes	28.01	14.16	13.85	2,012	265,174.67	3,697	0.25	12.62
5942	WESTERN	0	0	No	20.39	10.00	10.39	2,342	101,467.79	1,170	0.50	12.71
5952	WESTERN	0	0	No	0.01	0.00	0.01	0	0.00	0	0.00	0.00
5972	WESTERN	0	0	Yes	16.11	4.96	11.14	1,133	138,076.73	1,531	0.10	11.03
5982	WESTERN	0	0	No	28.95	12.87	16.08	2,394	52,093.46	510	0.10	32.53
5992	WESTERN	0	0	Yes	21.57	10.83	10.75	1,675	61,114.10	665	0.10	10.31
6022	WESTERN	0	0	No	0.01	0.00	0.01	0	0.00	0	0.00	0.00
6032	WESTERN	0	0	Yes	13.89	4.21	9.68	1,128	194,198.77	1,803	0.50	9.39
6042	WESTERN	0	0	Yes	19.65	0.46	19.20	1,769	323,478.02	2,153	0.10	6.59
6052	WESTERN	0	0	Yes	45.78	12.67	33.11	2,767	237,862.97	2,230	0.50	11.77
6062	WESTERN	0	0	Yes	23.31	0.31	23.00	1,654	155,325.20	2,736	0.10	18.00
6072	WESTERN	0	0	Yes	54.17	23.91	30.26	3,071	154,512.97	3,820	0.50	31.89
6082	WESTERN	0	0	Yes	43.30	11.01	32.29	2,599	79,754.14	660	0.20	11.99
6092	WESTERN	0	0	Yes	26.07	8.52	17.56	1,940	46,569.16	385	0.10	15.59
6212	WESTERN	0	0	Yes	59.66	26.93	32.73	2,540	145,050.87	1,717	0.50	14.08
6222	WESTERN	0	0	Yes	33.51	12.63	20.88	1,552	34,760.06	1,112	0.50	20.07
6338	WESTERN	0	0	No	0.90	0.90	0.00	42	0.00	0		0.00
6348	WESTERN	0	0	No	0.90	0.90	0.00	37	0.00	0		0.00
6352	WESTERN	0	0	No	0.87	0.87	0.00	52	0.00	0		0.00

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(c) Number of Overhead Lateral Lines	(d) Number of Overhead Lateral Miles	(e) Number of Customers served on Overhead Lateral Lines	(f) CMI for Overhead Lateral Lines	(g) CI for Overhead Lateral Lines	(h) Number of Underground Lateral Lines	(i) Number of Underground Lateral Miles	(j) Number of Customers served on Underground Lateral Lines	(k) CMI for Underground Lateral Lines	(l) CI for Underground Lateral Lines
6412	CENTRAL	87	29	629	20,544.94	249	8	4	167	514.25	2
6432	CENTRAL	25	7	196	19,548.20	175	4	1	12	0.00	0
6452	CENTRAL	38	6	87	1,362.64	19	5	0	4	3,810.00	15
6482	WESTERN	45	10	821	86,858.88	1,340	30	9	1,206	109,471.11	746
6508	WESTERN	10	2	30	239.45	5	9	0	8	0.00	0
6522	WESTERN	109	16	1,523	174,083.08	2,344	35	4	503	1,580.98	7
6532	WESTERN	109	23	1,784	270,516.89	3,332	8	0	303	0.00	0
6542	WESTERN	59	14	1,358	96,516.88	832	14	1	242	229.57	1
6572	WESTERN	115	21	1,628	320,479.11	3,648	21	1	232	0.00	0
6582	WESTERN	97	17	1,542	476,865.25	3,680	5	0	29	3,437.77	24
6592	WESTERN	21	2	174	3,037.88	38	9	1	213	317.32	1
6602	WESTERN	30	7	550	35,536.51	279	4	0	19	0.00	0
6612	WESTERN	67	12	1,234	13,062.24	158	4	0	5	0.00	0
6622	WESTERN	43	8	792	6,787.64	93	4	0	11	0.00	0
6632	WESTERN	83	8	639	17,154.69	200	4	1	15	0.00	0
6642	WESTERN	63	10	583	123,368.52	636	10	0	115	5,235.77	14
6652	WESTERN	157	26	2,383	170,143.62	1,933	12	1	155	804.37	2
6662	WESTERN	86	18	1,045	148,067.22	2,030	28	4	407	482.97	7
6678	WESTERN	56	16	1,629	72,296.04	612	24	5	722	21,648.12	124
6682	WESTERN	41	10	758	40,862.24	794	13	2	230	0.00	0
6692	WESTERN	62	13	1,125	86,768.64	784	12	3	517	17,855.45	55
6706	WESTERN	55	14	752	117,527.82	1,107	4	0	4	0.00	0
6716	WESTERN	64	12	804	29,007.27	436	17	1	165	0.00	0
6722	WESTERN	0	0	1	0.00	0	0	0	2	0.00	0
6732	WESTERN	0	0	0	0.00	0	0	0	1	0.00	0
6742	WESTERN	31	11	1,152	70,374.23	1,049	10	7	704	60,344.46	664
6774	WESTERN	69	16	739	80,388.95	654	31	2	91	28.88	1
6782	WESTERN	99	27	1,006	285,946.82	2,617	22	7	699	641.20	9
6792	WESTERN	160	34	1,261	105,984.07	1,288	49	13	1,172	5,335.73	18
6912	WESTERN	133	33	927	38,411.87	476	23	8	540	5,358.20	12
6922	WESTERN	178	47	1,173	73,174.76	656	11	3	152	0.00	0
6932	WESTERN	104	22	877	26,687.27	235	25	13	752	18,372.94	118
6942	WESTERN	269	53	1,496	372,061.36	3,857	18	4	210	30,113.00	97
6966	WESTERN	1	0	0	0.00	0	1	0	1	0.00	0
6982	WESTERN	10	10	14	2,116.11	11	0	0	0	0.00	0

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(m) Number of Automatic line Sectionalizing devices on the Lateral Lines	(n) Number of Automatic line Sectionalizing devices on the Feeder	(o) Whether the Feeder Circuit is Loop	(p) Total Length of the Feeder Circuit	(q) Length of Underground portion of the Feeder Circuit	(r) Length of Overhead portion of the Feeder Circuit	(s) Number of Customers served by Overhead Feeders	(t) CMI for Overhead Feeders	(u) CI for Overhead Feeders	(v) Load Growth %	(w) Peak Load MVA
6412	CENTRAL	0	0	Yes	34.58	4.08	30.50	796	55,225.16	924	0.25	3.98
6432	CENTRAL	0	0	No	8.64	0.65	7.99	208	19,548.20	175	0.10	1.52
6452	CENTRAL	0	0	Yes	9.98	0.40	9.58	91	5,172.64	34	0.10	2.06
6482	WESTERN	0	0	Yes	22.32	9.13	13.19	2,027	196,329.99	2,086	0.10	8.82
6508	WESTERN	0	0	No	2.57	0.52	2.05	38	1,631.27	42	0.10	9.17
6522	WESTERN	0	0	No	23.65	3.53	20.13	2,026	178,267.96	4,354	0.10	15.69
6532	WESTERN	0	0	No	24.62	0.39	24.24	2,087	270,516.89	3,332	0.10	11.41
6542	WESTERN	0	0	No	17.74	1.25	16.49	1,600	450,209.09	3,987	0.10	9.01
6572	WESTERN	0	0	No	24.41	0.90	23.51	1,860	320,479.11	3,648	1.00	13.07
6582	WESTERN	0	0	Yes	20.60	0.25	20.35	1,571	480,981.72	4,321	0.10	17.10
6592	WESTERN	0	0	No	6.43	0.90	5.53	387	3,355.20	39	0.10	11.14
6602	WESTERN	0	0	Yes	7.83	0.13	7.69	569	59,328.66	618	0.10	5.37
6612	WESTERN	0	0	Yes	15.84	0.18	15.66	1,239	256,836.01	1,399	0.10	5.98
6622	WESTERN	0	0	Yes	9.29	0.26	9.03	803	6,787.64	93	0.10	9.85
6632	WESTERN	0	0	Yes	11.14	0.90	10.24	654	17,154.69	200	0.10	8.89
6642	WESTERN	0	0	Yes	12.78	0.49	12.30	698	153,914.19	916	0.10	7.31
6652	WESTERN	0	0	Yes	29.39	1.01	28.38	2,538	170,947.99	1,935	0.10	12.77
6662	WESTERN	0	0	Yes	25.58	4.02	21.56	1,452	148,550.19	2,037	0.10	13.99
6678	WESTERN	0	0	Yes	24.20	5.40	18.80	2,351	917,326.51	5,412	0.10	31.28
6682	WESTERN	0	0	Yes	16.31	2.41	13.90	988	80,280.54	1,777	0.10	22.57
6692	WESTERN	0	0	Yes	18.68	2.93	15.75	1,642	104,624.09	839	0.25	6.77
6706	WESTERN	0	0	No	15.10	0.11	14.99	756	117,527.82	1,107	0.10	5.79
6716	WESTERN	0	0	Yes	17.99	1.13	16.87	969	81,821.07	1,398	0.10	7.77
6722	WESTERN	0	0	Yes	1.54	0.43	1.11	3	0.00	0	0.10	8.86
6732	WESTERN	0	0	Yes	1.10	0.54	0.56	1	0.00	0	0.10	8.77
6742	WESTERN	0	0	Yes	21.51	7.57	13.95	1,856	130,718.69	1,713	0.10	15.59
6774	WESTERN	0	0	No	21.27	2.33	18.93	830	80,417.83	655	0.20	22.83
6782	WESTERN	0	0	No	39.14	6.72	32.42	1,705	286,588.02	2,626	0.25	12.39
6792	WESTERN	0	0	No	49.95	12.97	36.98	2,433	111,319.80	1,306	1.00	12.52
6912	WESTERN	0	0	Yes	42.62	8.06	34.56	1,467	43,770.07	488	0.50	7.75
6922	WESTERN	0	0	Yes	51.00	3.22	47.77	1,325	73,174.76	656	0.10	18.07
6932	WESTERN	0	0	No	39.44	12.55	26.89	1,629	45,060.21	353	0.25	20.60
6942	WESTERN	0	0	Yes	61.15	4.25	56.90	1,706	452,290.93	4,957	0.20	22.56
6966	WESTERN	0	0	No	0.42	0.02	0.40	1	0.00	0	0.00	0.00
6982	WESTERN	0	0	No	10.62	0.00	10.62	14	2,116.11	11	0.10	5.93

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(c) Number of Overhead Lateral Lines	(d) Number of Overhead Lateral Miles	(e) Number of Customers served on Overhead Lateral Lines	(f) CMI for Overhead Lateral Lines	(g) CI for Overhead Lateral Lines	(h) Number of Overhead Lateral Lines	(i) Number of Overhead Lateral Miles	(j) Number of Customers served on Overhead Lateral Lines	(k) CMI for Overhead Lateral Lines	(l) CI for Overhead Lateral Lines
6992	WESTERN	105	19	1,016	74,677.68	1,678	30	20	1,270	27,790.20	153
7012	WESTERN	132	33	1,863	45,594.07	819	17	5	405	33.83	1
7022	WESTERN	65	11	595	13,022.71	246	20	8	452	1,169.70	6
7032	WESTERN	49	10	545	33,693.73	312	14	4	378	1,230.98	25
7042	WESTERN	78	22	933	56,671.74	976	21	14	832	879.80	16
7112	WESTERN	98	19	958	338,902.91	2,569	21	8	766	3,323.66	68
7122	WESTERN	120	21	708	16,812.55	277	30	15	1,083	17,303.83	144
7132	WESTERN	123	19	953	40,771.77	1,529	23	10	736	16,768.40	43
7157	WESTERN	0	1	1	0.00	0	1	0	0	0.00	0
7172	WESTERN	74	16	861	140,595.90	1,731	17	7	471	0.00	0
7232	WESTERN	200	50	1,890	37,277.76	872	58	10	495	1,399.34	22
7246	WESTERN	0	0	0	0.00	0	0	0	0	0.00	0
7252	WESTERN	165	39	1,415	37,952.36	603	43	18	1,268	6,426.90	65
7262	WESTERN	188	64	2,649	210,177.77	4,513	27	7	537	17,971.50	101
7272	WESTERN	232	67	2,264	819,812.27	7,391	33	3	256	6,566.00	69
7282	WESTERN	99	25	1,437	62,277.35	1,679	27	4	223	216.40	8
7292	WESTERN	123	27	1,584	89,814.03	877	19	5	423	495.45	4
7302	WESTERN	0	1	0	0.00	0	0	1	8	0.00	0
7332	WESTERN	74	17	470	51,573.89	917	27	18	1,003	70,032.07	341
7342	WESTERN	140	22	1,093	195,678.06	2,421	70	16	2,400	48,336.21	279
7352	WESTERN	51	12	988	291,283.44	2,166	23	7	1,391	36,790.24	242
7362	WESTERN	33	5	313	569,849.64	2,889	44	6	1,655	10,085.00	56
7372	WESTERN	64	12	824	106,087.45	564	31	28	1,954	87,984.73	326
7492	WESTERN	127	28	715	99,132.12	648	10	1	67	180.00	1
7512	WESTERN	94	17	1,242	123,676.35	1,122	34	5	480	6,724.18	89
7522	WESTERN	50	9	841	96,701.68	772	35	10	571	48,908.20	307
7532	WESTERN	8	2	175	6,991.33	158	4	18	1,136	57,509.25	534
7542	WESTERN	0	0	2	221.77	2	3	7	389	71.08	1
7582	WESTERN	196	37	2,469	138,421.05	1,560	26	5	394	0.00	0
7592	WESTERN	21	5	300	113,180.66	1,260	12	6	583	12,689.22	112
7602	WESTERN	30	5	189	33,791.33	346	39	3	436	1,041.86	6
7612	WESTERN	86	14	1,114	166,999.27	1,165	50	5	868	39,705.40	416
7622	WESTERN	50	10	956	40,266.68	330	19	2	364	17,611.97	87
7632	WESTERN	95	13	1,120	69,315.43	474	14	5	464	419.03	1
7642	WESTERN	41	10	947	79,662.27	1,534	21	4	559	0.00	0

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(m) Number of Automatic line Sectionalizing devices on the Lateral Lines	(n) Number of Automatic line Sectionalizing devices on the Feeder	(o) Whether the Feeder Circuit is Loop	(p) Total Length of the Feeder Circuit	(q) Length of Underground portion of the Feeder Circuit	(r) Length of Overhead portion of the Feeder Circuit	(s) Number of Customers served by Overhead Feeders	(t) CMI for Overhead Feeders	(u) CI for Overhead Feeders	(v) Load Growth %	(w) Peak Load MVA
6992	WESTERN	0	0	Yes	44.37	19.81	24.56	2,286	107,854.08	3,550	0.10	12.72
7012	WESTERN	0	0	No	41.84	4.50	37.34	2,268	45,627.90	820	0.10	11.60
7022	WESTERN	0	0	Yes	23.09	7.76	15.33	1,047	14,192.41	252	0.10	6.77
7032	WESTERN	0	0	No	15.01	4.39	10.62	923	77,412.71	1,241	0.10	4.42
7042	WESTERN	0	0	Yes	40.30	14.18	26.12	1,765	57,551.54	992	0.10	8.20
7112	WESTERN	0	0	Yes	28.12	7.71	20.41	1,724	426,601.37	4,388	0.25	11.27
7122	WESTERN	0	0	Yes	39.83	15.08	24.74	1,791	34,116.38	421	1.00	10.94
7132	WESTERN	0	0	Yes	33.07	9.65	23.42	1,689	57,540.17	1,572	0.25	8.02
7157	WESTERN	0	0	No	0.70	0.09	0.61	1	0.00	0	0.10	1.37
7172	WESTERN	0	0	Yes	28.71	7.35	21.36	1,332	140,595.90	1,731	0.10	7.47
7232	WESTERN	0	0	Yes	64.80	9.86	54.93	2,385	38,677.10	894	0.10	12.20
7246	WESTERN	0	0	No	0.00	0.00	0.00	0	0.00	0	0.00	0.00
7252	WESTERN	0	0	Yes	60.55	18.44	42.11	2,683	44,379.26	668	0.50	13.01
7262	WESTERN	0	0	Yes	76.03	6.76	69.28	3,186	228,149.27	4,614	0.50	13.68
7272	WESTERN	0	0	Yes	76.65	3.17	73.48	2,520	1,065,950.27	12,413	0.10	26.29
7282	WESTERN	0	0	Yes	33.39	4.13	29.25	1,660	179,601.95	4,953	0.10	10.59
7292	WESTERN	0	0	Yes	36.66	4.57	32.08	2,007	90,309.48	881	0.25	11.09
7302	WESTERN	0	0	No	1.42	0.68	0.74	8	0.00	0	0.10	10.60
7332	WESTERN	0	0	Yes	36.75	18.12	18.63	1,473	121,605.96	1,258	0.25	7.72
7342	WESTERN	0	0	Yes	42.68	16.62	26.06	3,493	244,014.27	2,700	0.25	20.50
7352	WESTERN	0	0	Yes	21.88	7.34	14.54	2,379	371,990.08	4,784	0.10	18.85
7362	WESTERN	0	0	Yes	14.57	6.66	7.91	1,968	586,390.64	3,065	0.25	9.80
7372	WESTERN	0	0	Yes	43.80	28.48	15.32	2,778	203,320.18	3,610	0.25	11.40
7492	WESTERN	0	0	No	32.33	0.98	31.35	782	151,988.92	1,961	0.10	5.77
7512	WESTERN	0	0	Yes	25.00	5.25	19.74	1,722	130,400.53	1,211	0.25	10.17
7522	WESTERN	0	0	Yes	22.76	10.03	12.73	1,412	145,609.88	1,079	0.25	12.06
7532	WESTERN	0	0	Yes	24.56	21.53	3.03	1,311	64,500.58	692	0.25	8.01
7542	WESTERN	0	0	Yes	11.78	10.96	0.81	391	292.85	3	0.25	15.28
7582	WESTERN	0	0	Yes	47.32	4.60	42.72	2,863	138,421.05	1,560	0.10	10.93
7592	WESTERN	0	0	Yes	12.54	6.14	6.41	883	125,869.88	1,372	0.10	4.56
7602	WESTERN	0	0	No	9.30	3.31	5.99	625	34,833.19	352	0.25	5.34
7612	WESTERN	0	0	Yes	22.04	5.49	16.54	1,982	287,886.99	3,320	0.25	14.44
7622	WESTERN	0	0	Yes	14.01	2.13	11.88	1,320	57,878.65	417	0.10	23.57
7632	WESTERN	0	0	No	19.77	4.90	14.87	1,584	69,734.46	475	0.10	11.80
7642	WESTERN	0	0	No	15.77	3.71	12.06	1,506	79,662.27	1,534	0.10	9.44

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(c) Number of Overhead Lateral Lines	(d) Number of Overhead Lateral Miles	(e) Number of Customers served on Overhead Lateral Lines	(f) CMI for Overhead Lateral Lines	(g) CI for Overhead Lateral Lines	(h) Number of Overhead Lateral Lines	(i) Number of Overhead Lateral Miles	(j) Number of Customers served on Overhead Lateral Lines	(k) CMI for Overhead Lateral Lines	(l) CI for Overhead Lateral Lines
7652	WESTERN	9	1	35	2,510.52	18	28	5	315	0.00	0
7662	WESTERN	76	17	1,131	73,201.87	720	27	6	603	191.18	1
7682	WESTERN	67	11	1,055	57,680.84	787	30	8	1,084	39,482.14	260
7692	WESTERN	7	2	112	20,087.22	161	7	0	10	0.00	0
7702	WESTERN	48	11	962	47,714.15	1,983	10	7	546	961.60	6
7712	WESTERN	39	9	708	28,048.37	1,724	4	1	203	12,057.00	54
7722	WESTERN	44	12	1,022	107,428.13	980	1	1	48	401.58	1
7732	WESTERN	0	0	0	0.00	0	0	0	0	0.00	0
7742	WESTERN	58	19	1,852	305,542.85	4,775	14	2	289	0.00	0
7752	WESTERN	88	18	1,349	146,820.19	1,224	30	6	773	33,133.26	193
7762	WESTERN	54	12	1,306	108,422.11	1,581	4	0	65	0.00	0
7772	WESTERN	43	6	353	17,981.90	273	12	1	256	0.00	0
7782	WESTERN	80	12	1,016	45,654.21	546	10	1	150	0.00	0
7792	WESTERN	93	21	1,384	114,744.99	1,742	20	9	749	5,032.43	43
7802	WESTERN	28	6	279	25,266.83	105	32	6	870	1,280.65	4
7822	WESTERN	43	7	424	5,649.98	76	27	8	1,498	4,955.69	25
7832	WESTERN	129	28	1,677	244,155.55	2,255	21	9	1,256	5,130.32	58
7842	WESTERN	149	31	1,759	349,762.57	4,253	47	12	1,102	20,707.43	188
7872	WESTERN	35	6	353	33,716.20	388	21	2	71	1,457.73	7
7882	WESTERN	58	12	620	28,047.12	292	33	4	278	542.93	4
7892	WESTERN	0	0	10	0.00	0	1	1	89	0.00	0
7902	CENTRAL	182	45	1,622	66,236.86	798	34	5	376	9,005.25	32
7912	CENTRAL	171	57	1,491	194,968.84	2,462	18	2	114	20,655.39	45
7922	WESTERN	82	13	951	120,160.27	1,684	28	15	1,281	525.48	2
7932	WESTERN	66	14	1,039	26,484.54	412	54	9	1,020	48,870.18	250
7942	WESTERN	54	5	519	20,419.64	201	25	2	127	0.00	0
7962	CENTRAL	82	27	469	40,527.34	367	4	0	5	0.00	0
7992	EASTERN	78	35	1,033	141,285.39	621	40	13	903	433.20	2
8012	EASTERN	3	1	17	0.00	0	6	0	3	0.00	0
8032	EASTERN	37	22	200	20,742.55	218	28	12	52	48.00	1
8052	EASTERN	0	0	1	0.00	0	0	0	0	0.00	0
8062	EASTERN	65	28	481	5,344.87	29	16	2	27	0.00	0
8112	EASTERN	63	10	1,616	67,285.03	1,012	32	3	1,974	17,569.90	182
8122	EASTERN	35	6	232	13,486.88	252	52	21	1,404	26,303.12	144
8132	EASTERN	38	12	368	248,897.33	1,141	56	36	2,794	71,659.98	633

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(m) Number of Automatic line Sectionalizing devices on the Lateral Lines	(n) Number of Automatic line Sectionalizing devices on the Feeder	(o) Whether the Feeder Circuit is Loop	(p) Total Length of the Feeder Circuit	(q) Length of Underground portion of the Feeder Circuit	(r) Length of Overhead portion of the Feeder Circuit	(s) Number of Customers served by Overhead Feeders	(t) CMI for Overhead Feeders	(u) CI for Overhead Feeders	(v) Load Growth %	(w) Peak Load MVA
7652	WESTERN	0	0	Yes	9.23	5.41	3.82	350	2,510.52	18	0.25	10.84
7662	WESTERN	0	0	No	25.42	5.89	19.53	1,734	73,393.05	721	0.10	23.17
7682	WESTERN	0	0	No	23.29	8.59	14.69	2,139	115,023.46	3,920	0.10	18.31
7692	WESTERN	0	0	Yes	3.57	0.49	3.08	122	20,087.22	161	0.10	9.55
7702	WESTERN	0	0	Yes	19.67	6.55	13.12	1,508	108,487.15	3,353	0.10	9.01
7712	WESTERN	0	0	Yes	12.30	1.31	10.99	911	40,105.37	1,778	0.10	8.16
7722	WESTERN	0	0	Yes	16.08	0.75	15.34	1,070	166,370.88	2,047	0.10	8.69
7732	WESTERN	0	0	No	0.00	0.00	0.00	0	0.00	0	0.00	0.00
7742	WESTERN	0	0	Yes	23.99	1.92	22.07	2,141	305,542.85	4,775	0.10	11.05
7752	WESTERN	0	0	Yes	27.69	5.75	21.94	2,122	179,953.45	1,417	0.10	9.10
7762	WESTERN	0	0	Yes	14.62	0.43	14.19	1,371	108,422.11	1,581	0.10	6.11
7772	WESTERN	0	0	Yes	9.76	1.40	8.36	609	17,981.90	273	0.10	14.07
7782	WESTERN	0	0	Yes	17.08	1.15	15.93	1,166	45,654.21	546	0.25	8.29
7792	WESTERN	0	0	Yes	32.27	9.39	22.88	2,133	119,777.42	1,785	0.10	11.62
7802	WESTERN	0	0	No	12.89	5.58	7.31	1,149	206,083.48	1,254	0.50	12.33
7822	WESTERN	0	0	No	17.27	7.82	9.45	1,922	10,605.67	101	0.50	10.48
7832	WESTERN	0	0	No	40.87	9.18	31.69	2,933	421,070.87	5,237	0.10	15.21
7842	WESTERN	0	0	Yes	45.72	11.99	33.73	2,861	370,470.00	4,441	0.10	15.24
7872	WESTERN	0	0	Yes	9.69	1.58	8.11	424	44,283.33	543	0.25	11.41
7882	WESTERN	0	0	Yes	16.74	4.10	12.64	898	28,590.05	296	1.00	12.69
7892	WESTERN	0	0	No	1.59	0.99	0.61	99	0.00	0	0.50	11.20
7902	CENTRAL	0	0	No	54.68	5.36	49.31	1,998	75,242.11	830	0.10	12.74
7912	CENTRAL	0	0	No	63.21	1.69	61.52	1,605	215,624.23	2,507	0.10	13.91
7922	WESTERN	0	0	No	30.64	14.74	15.90	2,232	120,685.75	1,686	0.10	15.63
7932	WESTERN	0	0	No	24.45	8.60	15.85	2,059	75,354.72	662	0.10	13.61
7942	WESTERN	0	0	Yes	11.79	2.84	8.96	646	20,419.64	201	0.25	12.26
7962	CENTRAL	0	0	No	31.00	0.43	30.57	474	40,527.34	367	0.10	2.40
7992	EASTERN	0	0	Yes	54.69	12.68	42.01	1,936	141,718.59	623	1.00	11.66
8012	EASTERN	0	0	No	2.26	0.69	1.57	20	0.00	0	0.25	1.68
8032	EASTERN	0	0	No	36.93	12.01	24.93	252	20,790.55	219	0.10	1.39
8052	EASTERN	0	0	No	0.01	0.00	0.01	1	0.00	0	0.00	0.00
8062	EASTERN	0	0	No	34.66	1.99	32.67	508	5,344.87	29	0.50	4.22
8112	EASTERN	0	0	Yes	15.61	3.24	12.37	3,590	288,099.01	3,467	0.25	14.62
8122	EASTERN	0	0	Yes	28.53	20.52	8.01	1,636	39,790.00	396	1.00	14.27
8132	EASTERN	0	0	No	49.93	35.95	13.98	3,162	320,557.31	1,774	3.00	16.85

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(c) Number of Overhead		(d) Number of Overhead		(e) Number of Customers served on		(f) CMI for Overhead		(g) CI for Overhead		(h) Number of Underground		(i) Number of Underground		(j) Number of Customers served on		(k) CMI for Underground		(l) CI for Underground	
		Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles
8142	EASTERN	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	0.00	0	0	0
8162	CENTRAL	53	13	505	13	5984.02	66	5.984	58	26	2,033	27,287.74	82	0	2,033	27,287.74	82	0	2,033	27,287.74	
8172	CENTRAL	3	1	26	0	0.00	0	0.00	12	18	1,905	21,918.96	73	0	1,905	21,918.96	73	0	1,905	21,918.96	
8182	CENTRAL	0	0	0	0	515.00	417	515.00	9	4	1,002	128,499.95	356	0	1,002	128,499.95	356	0	1,002	128,499.95	
8202	EASTERN	93	23	1,418	23	106,842.16	1,157	106,842.16	32	7	621	8,674.83	32	0	621	8,674.83	32	0	621	8,674.83	
8222	EASTERN	6	4	43	4	793.50	21	793.50	13	23	910	329,379.93	1,772	0	910	329,379.93	1,772	0	910	329,379.93	
8232	EASTERN	0	0	1	0	0.00	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0
8252	EASTERN	0	0	1	0	0.00	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0
8262	EASTERN	0	3	1	0	0.00	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0
8282	EASTERN	112	25	2,001	25	62,224.20	667	62,224.20	46	6	810	24,409.48	113	0	810	24,409.48	113	0	810	24,409.48	
8332	EASTERN	101	37	1,790	37	192,268.17	2,490	192,268.17	73	23	1,517	28,605.45	111	0	1,517	28,605.45	111	0	1,517	28,605.45	
8342	EASTERN	96	26	2,022	26	238,246.77	2,005	238,246.77	40	3	506	14,435.94	82	0	506	14,435.94	82	0	506	14,435.94	
8352	EASTERN	67	12	1,181	12	93,998.12	3,117	93,998.12	31	4	1,758	20,040.79	198	0	1,758	20,040.79	198	0	1,758	20,040.79	
8362	EASTERN	53	15	832	15	210,185.07	1,581	210,185.07	35	12	2,128	30,267.87	264	0	2,128	30,267.87	264	0	2,128	30,267.87	
8372	EASTERN	13	2	85	2	4,420.32	41	4,420.32	20	8	894	1,718.03	31	0	894	1,718.03	31	0	894	1,718.03	
8382	EASTERN	3	0	8	0	171.03	2	171.03	6	1	94	0.00	0	0	94	0.00	0	0	94	0.00	0
8392	EASTERN	67	13	1,135	13	367,739.14	3,102	367,739.14	18	2	391	3,892.18	31	0	391	3,892.18	31	0	391	3,892.18	31
8412	EASTERN	87	15	1,305	15	31,228.51	456	31,228.51	41	2	414	3,277.45	59	0	414	3,277.45	59	0	414	3,277.45	59
8422	EASTERN	0	0	0	0	0.00	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0
8432	EASTERN	70	13	1,354	13	45,031.54	511	45,031.54	16	1	320	744.33	4	0	320	744.33	4	0	320	744.33	4
8442	EASTERN	61	10	1,016	10	52,075.57	494	52,075.57	14	1	132	1,998.71	12	0	132	1,998.71	12	0	132	1,998.71	12
8452	EASTERN	42	6	267	6	6,751.46	110	6,751.46	56	8	728	4,561.97	33	0	728	4,561.97	33	0	728	4,561.97	33
8472	EASTERN	112	20	2,126	20	243,025.31	3,242	243,025.31	28	3	513	341.00	2	0	513	341.00	2	0	513	341.00	2
8482	EASTERN	50	10	594	10	42,150.03	422	42,150.03	28	2	226	267.48	4	0	226	267.48	4	0	226	267.48	4
8492	EASTERN	31	4	268	4	27,930.70	882	27,930.70	13	1	115	23.50	1	0	115	23.50	1	0	115	23.50	1
8512	EASTERN	7	1	29	1	2,276.98	54	2,276.98	13	11	972	11,751.71	117	0	972	11,751.71	117	0	972	11,751.71	117
8522	EASTERN	52	12	593	12	70,612.04	1,188	70,612.04	48	20	2,112	281,355.85	612	0	2,112	281,355.85	612	0	2,112	281,355.85	612
8532	EASTERN	32	6	509	6	96,926.72	1,643	96,926.72	28	3	1,654	182,927.00	454	0	1,654	182,927.00	454	0	1,654	182,927.00	454
8542	EASTERN	14	1	130	1	22,229.63	210	22,229.63	13	4	3,182	0.00	0	0	3,182	0.00	0	0	3,182	0.00	0
8552	EASTERN	42	9	835	9	119,378.49	2,064	119,378.49	39	8	1,535	207.88	3	0	1,535	207.88	3	0	1,535	207.88	3
8562	EASTERN	37	4	473	4	9,118.99	199	9,118.99	27	8	1,727	10,565.68	62	0	1,727	10,565.68	62	0	1,727	10,565.68	62
8572	EASTERN	112	24	1,892	24	39,878.35	1,080	39,878.35	41	6	705	2,209.79	18	0	705	2,209.79	18	0	705	2,209.79	18
8582	EASTERN	48	9	919	9	27,402.09	228	27,402.09	23	9	1,918	63,729.72	588	0	1,918	63,729.72	588	0	1,918	63,729.72	588
8592	EASTERN	1	0	11	0	68.53	1	68.53	10	0	1	0.00	0	0	1	0.00	0	0	1	0.00	0
8602	EASTERN	100	21	1,298	21	95,649.58	727	95,649.58	47	20	1,534	4,219.96	28	0	1,534	4,219.96	28	0	1,534	4,219.96	28

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(m) Number of Automatic line Sectionalizing devices on the Lateral Lines	(n) Number of Automatic line Sectionalizing devices on the Feeder	(o) Whether the Feeder Circuit is Loop	(p) Total Length of the Feeder Circuit	(q) Length of Underground portion of the Feeder Circuit	(r) Length of Overhead portion of the Feeder Circuit	(s) Number of Customers served by Overhead Feeders	(t) CMI for Overhead Feeders	(u) CI for Overhead Feeders	(v) Load Growth %	(w) Peak Load MVA
8142	EASTERN	0	0	No	0.00	0.00	0.00	0	0.00	0	0.00	0.00
8162	CENTRAL	0	0	No	41.19	26.62	14.57	2,538	33,271.76	148	1.50	13.87
8172	CENTRAL	0	0	Yes	19.49	18.36	1.12	1,931	21,918.96	73	1.25	12.82
8182	CENTRAL	0	0	Yes	6.11	4.89	1.22	1,002	129,014.95	773	0.25	11.08
8202	EASTERN	0	0	Yes	31.92	6.80	25.12	2,039	412,882.47	3,198	0.10	10.82
8222	EASTERN	0	0	No	27.38	23.03	4.34	953	330,173.43	1,793	0.25	7.13
8232	EASTERN	0	0	No	0.01	0.00	0.01	1	0.00	0	0.10	5.04
8252	EASTERN	0	0	No	0.01	0.00	0.01	1	10.22	1	0.10	6.40
8262	EASTERN	0	0	No	2.97	0.01	2.97	1	147.92	1	0.10	9.50
8282	EASTERN	0	0	No	31.92	5.71	26.21	2,811	86,633.68	780	0.10	11.25
8332	EASTERN	0	0	Yes	63.49	22.55	40.94	3,307	220,873.62	2,601	0.10	14.48
8342	EASTERN	0	0	Yes	31.83	3.18	28.65	2,528	252,682.71	2,087	0.10	10.69
8352	EASTERN	0	0	No	17.21	3.71	13.50	2,939	114,038.91	3,315	0.50	13.71
8362	EASTERN	0	0	No	30.66	12.44	18.22	2,960	240,452.94	1,845	1.75	12.23
8372	EASTERN	0	0	Yes	11.16	8.61	2.55	979	6,138.35	72	1.00	21.85
8382	EASTERN	0	0	Yes	2.37	1.33	1.04	102	171.03	2	1.25	14.44
8392	EASTERN	0	0	Yes	18.19	2.49	15.70	1,526	378,555.19	3,801	0.10	19.04
8412	EASTERN	0	0	No	20.31	2.25	18.06	1,719	34,505.96	515	0.50	12.54
8422	EASTERN	0	0	No	0.01	0.00	0.01	0	0.00	0	0.00	0.00
8432	EASTERN	0	0	Yes	15.90	1.25	14.65	1,674	45,775.87	515	0.10	7.60
8442	EASTERN	0	0	Yes	12.77	0.86	11.91	1,148	54,074.28	506	0.10	11.75
8452	EASTERN	0	0	Yes	16.32	8.02	8.30	995	11,313.43	143	0.10	12.13
8472	EASTERN	0	0	Yes	27.90	3.16	24.75	2,639	243,366.31	3,244	0.10	18.21
8482	EASTERN	0	0	No	16.32	2.29	14.03	820	42,417.51	426	0.10	12.68
8492	EASTERN	0	0	Yes	6.16	1.34	4.82	383	27,954.20	883	0.10	3.16
8512	EASTERN	0	0	No	13.96	12.00	1.97	1,001	14,028.69	171	0.50	6.84
8522	EASTERN	0	0	No	34.30	19.87	14.43	2,705	351,967.89	1,800	0.75	15.97
8532	EASTERN	0	0	No	10.13	3.06	7.08	2,163	279,853.72	2,097	0.25	13.29
8542	EASTERN	0	0	No	5.80	3.75	2.05	3,312	22,229.63	210	1.00	15.13
8552	EASTERN	0	0	Yes	20.84	8.57	12.27	2,370	119,586.37	2,067	0.50	9.80
8562	EASTERN	0	0	Yes	16.49	8.63	7.86	2,200	19,684.67	261	0.25	11.39
8572	EASTERN	0	0	Yes	33.26	5.59	27.68	2,597	42,088.14	1,098	0.10	12.83
8582	EASTERN	0	0	Yes	19.42	8.54	10.88	2,837	91,131.81	816	0.50	14.82
8592	EASTERN	0	0	No	1.70	0.29	1.41	12	68.53	1	0.10	6.72
8602	EASTERN	0	0	Yes	45.20	20.15	25.05	2,832	99,869.54	755	0.25	12.86

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(c) Number of Overhead Lateral Lines	(d) Number of Overhead Lateral Miles	(e) Number of Customers served on Overhead Lateral Lines	(f) CMI for Overhead Lateral Lines	(g) CI for Overhead Lateral Lines	(h) Number of Underground Lateral Lines	(i) Number of Underground Lateral Miles	(j) Number of Customers served on Underground Lateral Lines	(k) CMI for Underground Lateral Lines	(l) CI for Underground Lateral Lines
8612	EASTERN	53	13	536	225,311.71	1,184	20	7	353	178.67	1
8622	EASTERN	71	14	648	124,535.44	781	35	9	599	980.95	42
8642	EASTERN	66	8	1,267	113,785.96	1,696	46	11	1,437	31,145.05	320
8672	EASTERN	34	7	308	85,574.69	1,412	49	25	1,955	31,449.95	238
8682	EASTERN	57	11	1,289	86,004.99	1,997	35	10	1,997	143,905.53	1,039
8702	EASTERN	74	18	1,822	165,470.62	1,873	18	1	103	2,398.15	18
8712	EASTERN	69	15	1,263	65,066.52	674	33	3	150	1,849.00	12
8722	EASTERN	126	27	2,061	312,210.58	2,690	22	2	292	954.98	5
8732	EASTERN	81	19	2,111	279,582.31	2,581	18	2	249	9,589.77	95
8782	EASTERN	35	9	253	61,533.95	350	42	3	230	7,923.00	65
8792	EASTERN	170	39	2,641	286,241.94	3,206	35	4	424	3,703.17	21
8802	EASTERN	83	22	1,400	158,608.66	1,063	35	15	1,220	54,028.43	444
8812	EASTERN	76	17	1,332	83,759.57	2,357	62	12	1,728	13,547.98	126
8822	EASTERN	98	23	1,553	179,937.29	2,806	57	10	1,798	15,840.00	40
8842	CENTRAL	12	2	70	9,891.00	42	35	17	1,728	224,932.96	366
8852	EASTERN	80	20	1,530	72,825.90	851	11	1	146	0.00	0
8872	CENTRAL	24	7	328	55,183.52	407	35	7	621	7,049.00	99
8882	CENTRAL	20	3	599	149,005.00	3,253	45	8	2,014	13,893.36	46
8892	CENTRAL	30	5	531	28,525.55	214	43	9	1,909	271,293.86	1,685
8932	CENTRAL	138	38	1,339	51,528.86	1,340	27	7	363	13,655.97	106
8942	CENTRAL	12	1	27	270.75	4	8	0	18	0.00	0
8952	EASTERN	10	11	16	720.00	6	3	0	3	174.65	3
8962	EASTERN	58	14	1,325	83,619.58	1,046	48	13	1,721	15,304.80	120
8972	EASTERN	94	25	2,420	84,840.75	739	21	15	1,121	356.66	3
8982	CENTRAL	8	1	184	14,133.60	192	10	2	303	16,033.20	41
8992	CENTRAL	0	0	0	0.00	0	0	0	0	0.00	0
9042	CENTRAL	61	8	557	259,002.55	4,108	57	19	1,495	3,311.45	49
9052	CENTRAL	49	10	1,163	350,602.11	2,736	34	5	736	9,094.67	30
9062	CENTRAL	15	2	199	73,149.35	419	18	6	754	28,355.73	81
9082	CENTRAL	15	2	244	3,320.75	33	29	12	2,673	164,944.31	623
9092	EASTERN	5	3	14	4,487.32	27	0	0	0	0.00	0
9112	EASTERN	94	44	961	136,436.36	2,350	25	3	152	1,021.63	2
9122	EASTERN	19	7	215	15,984.80	210	6	1	6	0.00	0
9132	CENTRAL	83	12	887	122,663.15	1,044	75	13	1,451	6,597.33	35
9142	CENTRAL	115	20	1,659	155,520.07	6,042	44	5	498	6,266.15	9

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(m) Number of Automatic line Sectionalizing devices on the Lateral Lines	(n) Number of Automatic line Sectionalizing devices on the Feeder	(o) Whether the Feeder Circuit is Loop	(p) Total Length of the Feeder Circuit	(q) Length of Underground portion of the Feeder Circuit	(r) Length of Overhead portion of the Feeder Circuit	(s) Number of Customers served by Overhead Feeders	(t) CMI for Overhead Feeders	(u) CI for Overhead Feeders	(v) Load Growth %	(w) Peak Load MVA
8612	EASTERN	0	0	Yes	24.09	6.66	17.43	889	358,573.40	2,919	0.25	21.62
8622	EASTERN	0	0	Yes	27.46	9.21	18.24	1,247	125,516.39	823	0.10	10.87
8642	EASTERN	0	0	Yes	22.17	10.59	11.58	2,704	144,931.01	2,016	0.50	10.94
8672	EASTERN	0	0	Yes	34.44	25.01	9.42	2,263	117,024.64	1,650	0.50	18.08
8682	EASTERN	0	0	No	22.98	9.75	13.23	3,286	587,393.52	9,593	0.50	14.27
8702	EASTERN	0	0	Yes	21.93	1.00	20.92	1,925	365,641.17	3,800	0.10	13.30
8712	EASTERN	0	0	Yes	21.90	3.41	18.49	1,413	66,915.52	686	0.10	11.18
8722	EASTERN	0	0	Yes	30.48	1.60	28.89	2,353	333,246.26	9,351	0.10	11.22
8732	EASTERN	0	0	Yes	23.86	1.67	22.20	2,360	289,172.08	2,676	0.10	14.28
8782	EASTERN	0	0	Yes	12.17	2.92	9.24	483	69,456.95	415	0.25	8.63
8792	EASTERN	0	0	Yes	47.24	4.30	42.94	3,065	381,848.88	8,803	0.10	13.31
8802	EASTERN	0	0	No	38.01	14.54	23.48	2,620	212,637.09	1,507	0.10	12.16
8812	EASTERN	0	0	Yes	32.77	12.14	20.62	3,060	97,307.55	2,483	1.25	14.23
8822	EASTERN	0	0	Yes	35.76	9.86	25.90	3,351	206,875.69	7,894	0.10	15.71
8842	CENTRAL	0	0	Yes	20.19	17.05	3.14	1,798	234,823.96	408	0.50	14.03
8852	EASTERN	0	0	Yes	24.65	1.33	23.32	1,676	72,825.90	851	0.10	8.19
8872	CENTRAL	0	0	No	14.97	7.20	7.77	949	70,069.32	1,454	0.50	9.34
8882	CENTRAL	0	0	Yes	13.21	8.99	4.22	2,613	162,898.36	3,299	0.25	9.80
8892	CENTRAL	0	0	Yes	17.31	10.44	6.87	2,440	302,429.41	2,421	0.25	13.50
8932	CENTRAL	0	0	Yes	48.95	7.45	41.50	1,702	65,184.83	1,446	1.50	9.65
8942	CENTRAL	0	0	No	3.52	0.39	3.13	45	270.75	4	0.50	1.84
8952	EASTERN	0	0	No	11.52	0.27	11.25	19	894.65	9	0.10	0.67
8962	EASTERN	0	0	Yes	29.46	13.26	16.20	3,046	278,069.68	4,187	0.25	12.53
8972	EASTERN	0	0	Yes	42.29	15.42	26.88	3,541	85,197.41	742	0.25	12.37
8982	CENTRAL	0	0	Yes	5.17	2.49	2.68	487	30,186.30	251	0.50	3.47
8992	CENTRAL	0	0	No	0.00	0.00	0.00	0	0.00	0	0.00	0.00
9042	CENTRAL	0	0	Yes	29.25	18.80	10.45	2,052	277,402.53	5,124	0.50	32.46
9052	CENTRAL	0	0	Yes	18.81	4.74	14.06	1,899	359,696.78	2,766	0.20	9.80
9062	CENTRAL	0	0	No	8.14	6.03	2.12	953	110,550.08	1,175	0.50	5.34
9082	CENTRAL	0	0	Yes	18.36	13.24	5.13	2,917	377,055.46	3,524	0.50	16.22
9092	EASTERN	0	0	No	5.93	0.00	5.93	14	4,487.32	27	0.10	1.93
9112	EASTERN	0	0	No	47.48	2.74	44.73	1,113	137,457.99	2,352	0.10	17.43
9122	EASTERN	0	0	No	8.24	0.79	7.45	221	15,984.80	210	0.50	10.85
9132	CENTRAL	0	0	Yes	27.17	13.13	14.04	2,338	129,260.48	1,079	0.25	11.23
9142	CENTRAL	0	0	Yes	27.41	5.14	22.28	2,157	164,161.12	8,210	0.10	18.09

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(c) Number of Overhead Lateral Lines		(d) Number of Overhead Lateral Miles		(e) Number of Customers served on Lateral Lines		(f) CMI for Overhead Lateral Lines		(g) CI for Overhead Lateral Lines		(h) Number of Underground Lateral Lines		(i) Number of Underground Lateral Miles		(j) Number of Customers served on Underground Lateral Lines		(k) CMI for Underground Lateral Lines		(l) CI for Underground Lateral Lines	
9152	CENTRAL	76	14	1,210	109,976.09	719	45	4	555	34,715.44	136										
9162	CENTRAL	62	14	786	43,264.51	346	12	3	441	607.75	3										
9172	CENTRAL	49	14	1,397	314,074.09	2,168	27	10	795	7,810.03	165										
9182	CENTRAL	168	68	796	56,424.69	394	19	1	25	735.58	7										
9192	CENTRAL	129	37	2,163	142,996.71	1,939	19	3	312	186.00	3										
9202	EASTERN	83	33	666	78,918.00	704	13	1	36	0.00	0										
9212	EASTERN	169	83	1,574	324,888.60	3,099	26	2	75	0.00	0										
9222	EASTERN	74	23	899	56,116.06	620	40	2	136	0.00	0										
9232	CENTRAL	102	23	1,625	196,940.98	2,034	23	2	218	2,957.52	33										
9242	CENTRAL	58	15	738	178,294.40	1,944	50	10	935	33,112.20	87										
9252	CENTRAL	88	18	1,353	87,870.05	1,362	54	17	1,093	8,278.35	74										
9292	CENTRAL	48	8	1,172	50,711.83	586	33	3	941	31,653.98	182										
9312	CENTRAL	66	17	2,122	235,326.85	3,133	9	1	91	6,955.33	35										
9322	CENTRAL	33	8	1,174	64,089.34	603	14	1	242	0.00	0										
9332	CENTRAL	55	10	1,065	15,604.07	227	32	5	443	989.35	9										
9342	CENTRAL	65	10	1,186	28,192.29	503	19	2	203	0.00	0										
9352	CENTRAL	61	12	1,410	43,662.29	539	21	2	382	4,056.21	46										
9362	CENTRAL	74	15	1,552	55,292.04	717	22	1	157	0.00	0										
9372	CENTRAL	61	13	1,444	175,592.98	2,508	8	0	9	417.35	3										
9382	CENTRAL	50	8	798	288,943.61	4,205	16	1	586	313.67	26										
9402	CENTRAL	39	4	793	189,609.85	2,904	40	2	1,916	9,550.17	42										
9412	CENTRAL	57	8	852	60,507.68	336	29	2	1,282	789.87	4										
9422	CENTRAL	36	4	587	20,143.09	225	15	0	242	0.00	0										
9462	CENTRAL	100	22	1,885	186,157.56	3,784	56	15	1,103	10,656.26	55										
9472	CENTRAL	54	15	1,050	497,238.19	3,532	61	25	1,328	48,814.48	297										
9492	CENTRAL	44	6	548	93,166.96	711	33	3	675	849.82	2										
9522	EASTERN	367	162	1,700	784,376.39	10,112	26	5	49	2,516.00	17										
9532	CENTRAL	24	3	146	81,613.61	1,633	39	12	2,391	3,862.70	74										
9562	CENTRAL	49	5	726	889,093.91	2,394	33	3	738	171,049.10	626										
9572	CENTRAL	11	3	378	60,106.01	386	66	8	2,593	67,047.90	188										
9582	CENTRAL	0	0	0	0.00	0	0	0	0	0.00	0										
9592	EASTERN	126	104	770	258,073.42	3,313	32	15	333	34,102.80	200										
9602	CENTRAL	54	9	625	31,190.18	210	26	8	959	13,958.72	79										
9612	CENTRAL	88	17	1,579	89,841.39	1,270	36	4	723	15,609.15	131										
9622	CENTRAL	88	10	942	47,602.75	550	26	2	423	2,005.54	9										

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(m) Number of Automatic line Sectionalizing devices on the Lateral Lines	(n) Number of Automatic line Sectionalizing devices on the Feeder	(o) Whether the Feeder Circuit is Loop	(p) Total Length of the Feeder Circuit	(q) Length of Underground portion of the Feeder Circuit	(r) Length of Overhead portion of the Feeder Circuit	(s) Number of Customers served by Overhead Feeders	(t) CMI for Overhead Feeders	(u) CI for Overhead Feeders	(v) Load Growth %	(w) Peak Load MVA
9152	CENTRAL	0	0	No	20.92	3.72	17.20	1,765	144,691.53	855	0.10	8.28
9162	CENTRAL	0	0	No	18.09	2.77	15.31	1,227	43,872.26	349	0.10	5.33
9172	CENTRAL	0	0	No	26.78	9.84	16.95	2,192	321,884.12	2,333	0.10	14.84
9182	CENTRAL	0	0	No	74.88	1.48	73.40	821	92,119.27	1,214	0.25	12.99
9192	CENTRAL	0	0	Yes	44.52	3.22	41.30	2,475	143,182.71	1,942	0.50	10.59
9202	EASTERN	0	0	Yes	38.23	1.14	37.09	702	78,918.00	704	0.10	14.08
9212	EASTERN	0	0	No	86.61	2.00	84.62	1,649	324,888.60	3,099	0.10	10.41
9222	EASTERN	0	0	Yes	29.62	2.35	27.27	1,035	84,628.37	3,681	0.10	9.22
9232	CENTRAL	0	0	No	27.02	2.26	24.76	1,843	199,898.50	2,067	0.10	7.83
9242	CENTRAL	0	0	Yes	28.10	9.75	18.34	1,673	211,406.60	2,031	0.75	14.14
9252	CENTRAL	0	0	Yes	39.22	16.95	22.28	2,446	96,148.40	1,436	0.50	12.68
9292	CENTRAL	0	1	No	13.00	2.94	10.06	2,113	82,365.81	768	0.10	9.84
9312	CENTRAL	0	0	No	19.38	1.11	18.27	2,213	242,282.18	3,168	0.10	8.81
9322	CENTRAL	0	0	Yes	10.12	0.75	9.37	1,416	64,089.34	603	0.10	5.05
9332	CENTRAL	0	0	Yes	17.40	4.75	12.65	1,508	16,593.42	236	0.10	7.41
9342	CENTRAL	0	0	No	14.04	1.56	12.48	1,389	28,192.29	503	0.10	6.90
9352	CENTRAL	0	0	Yes	17.21	2.26	14.94	1,792	114,055.33	2,386	0.10	7.22
9362	CENTRAL	0	0	Yes	17.47	1.00	16.47	1,709	55,292.04	717	0.10	9.65
9372	CENTRAL	0	0	Yes	15.40	0.18	15.22	1,453	176,010.33	2,511	0.10	7.47
9382	CENTRAL	0	0	Yes	11.16	1.30	9.86	1,384	290,896.20	5,616	0.50	10.96
9402	CENTRAL	0	0	Yes	9.73	2.53	7.19	2,709	199,160.02	2,946	0.25	9.79
9412	CENTRAL	0	0	Yes	12.63	2.17	10.47	2,134	61,297.55	340	0.10	8.28
9422	CENTRAL	0	0	Yes	6.87	0.44	6.43	829	22,020.49	981	0.10	7.85
9462	CENTRAL	0	0	No	37.95	14.76	23.19	2,988	202,357.82	6,479	0.25	12.70
9472	CENTRAL	0	0	No	42.69	25.21	17.48	2,378	561,686.87	6,031	0.25	12.37
9492	CENTRAL	0	0	Yes	12.42	3.65	8.76	1,223	105,380.81	1,575	0.50	11.00
9522	EASTERN	0	0	No	181.93	4.76	177.17	1,749	972,825.57	14,331	0.10	11.77
9532	CENTRAL	0	0	Yes	17.21	11.69	5.52	2,537	104,067.01	7,704	0.25	20.90
9562	CENTRAL	0	0	Yes	10.63	3.75	6.88	1,464	1,184,869.39	4,495	0.50	17.30
9572	CENTRAL	0	0	Yes	13.05	8.49	4.56	2,971	127,153.91	574	0.10	15.30
9582	CENTRAL	0	0	No	0.01	0.00	0.01	0	0.00	0	0.00	0.00
9592	EASTERN	0	0	No	134.48	15.11	119.37	1,103	415,624.02	7,454	0.50	11.02
9602	CENTRAL	0	1	Yes	19.81	8.49	11.32	1,584	93,338.90	1,814	0.10	8.63
9612	CENTRAL	0	0	Yes	23.04	3.50	19.54	2,302	105,450.54	1,401	0.10	11.11
9622	CENTRAL	0	0	Yes	15.61	2.11	13.50	1,365	49,608.29	559	0.10	9.21

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(c) Number of Overhead		(d) Number of Overhead		(e) Number of Customers served on		(f) CMI for		(g) CI for		(h) Number of		(i) Number of		(j) Number of		(k) CMI for		(l) CI for	
		Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles	Lateral Lines	Lateral Miles
9632	CENTRAL	37	4	237	36,308.44	238	14	0	26	40.00	1	0	26	40.00	1	0	26	40.00	1	0	
9672	CENTRAL	183	44	1,954	1,047,507.51	4,006	23	8	802	887.60	10	8	802	887.60	10	8	802	887.60	10	8	
9682	CENTRAL	49	10	415	4,755.01	77	38	13	1,200	14,828.77	165	13	1,200	14,828.77	165	13	1,200	14,828.77	165	13	
9692	CENTRAL	106	32	1,762	531,244.74	3,733	23	3	535	7,020.00	20	3	535	7,020.00	20	3	535	7,020.00	20	3	
9702	EASTERN	1	0	1	306.82	8	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	
9752	EASTERN	0	1	5	0.00	0	2	0	6	0.00	0	2	6	0.00	0	2	6	0.00	0	2	
9792	CENTRAL	61	16	1,100	76,822.64	1,606	20	5	459	192.00	6	5	459	192.00	6	5	459	192.00	6	5	
9802	EASTERN	22	13	186	27,034.08	200	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	
9812	CENTRAL	34	24	529	75,314.85	818	33	8	565	14,860.92	280	33	565	14,860.92	280	33	565	14,860.92	280	33	
9828	CENTRAL	25	9	209	48,522.41	326	4	0	7	0.00	0	4	7	0.00	0	4	7	0.00	0	4	
9832	EASTERN	210	96	2,091	381,053.24	5,355	28	2	91	0.00	0	28	91	0.00	0	28	91	0.00	0	28	
9854	EASTERN	0	0	1	0.00	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	
9912	CENTRAL	38	11	384	703.63	22	18	10	1,169	103.00	2	18	1,169	103.00	2	18	1,169	103.00	2	18	
9942	CENTRAL	67	20	1,503	16,909.35	290	7	4	487	2,968.00	28	7	487	2,968.00	28	7	487	2,968.00	28	7	
15002	CENTRAL	0	0	2	0.00	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	
15034	WESTERN	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	
15044	WESTERN	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	
15062	EASTERN	9	3	114	5,264.00	49	3	11	74	0.00	0	3	74	0.00	0	3	74	0.00	0	3	
15242	CENTRAL	3	0	8	0.00	0	15	8	475	156.00	3	15	475	156.00	3	15	475	156.00	3	15	
15252	CENTRAL	4	0	9	407.60	4	18	13	1,176	32,091.97	301	18	1,176	32,091.97	301	18	1,176	32,091.97	301	18	
15262	CENTRAL	9	2	78	30,680.63	237	16	4	866	0.00	0	16	866	0.00	0	16	866	0.00	0	16	
15472	EASTERN	21	2	108	815.96	16	8	2	243	354.13	8	8	243	354.13	8	8	243	354.13	8	8	
15482	EASTERN	32	10	776	83,853.73	435	30	6	850	14,902.67	83	30	850	14,902.67	83	30	850	14,902.67	83	30	
15492	EASTERN	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	
15702	WESTERN	130	18	2,006	62,612.47	667	13	1	178	0.00	0	13	178	0.00	0	13	178	0.00	0	13	
15712	WESTERN	75	9	766	34,688.22	853	26	2	56	530.40	18	26	56	530.40	18	26	56	530.40	18	26	
15722	WESTERN	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	
15752	WESTERN	0	0	0	0.00	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	
15762	WESTERN	40	5	579	61,822.18	1,326	27	2	80	0.00	0	27	80	0.00	0	27	80	0.00	0	27	
15772	WESTERN	35	5	664	140,610.89	1,334	7	0	25	0.00	0	7	25	0.00	0	7	25	0.00	0	7	

APPENDIX 3 FEEDER SPECIFIC DATA

(a) Feeder ID	(b) Sub Region	(m) Number of Automatic line Sectionalizing devices on the Lateral Lines	(n) Number of Automatic line Sectionalizing devices on the Feeder	(o) Whether the Feeder Circuit is Loop	(p) Total Length of the Feeder Circuit	(q) Length of Underground portion of the Feeder Circuit	(r) Length of Overhead portion of the Feeder Circuit	(s) Number of Customers served by Overhead Feeders	(t) CMI for Overhead Feeders	(u) CI for Overhead Feeders	(v) Load Growth %	(w) Peak Load MVA
9632	CENTRAL	0	0	Yes	6.19	0.50	5.69	263	36,348.44	239	0.10	7.94
9672	CENTRAL	0	0	Yes	57.18	8.38	48.80	2,756	1,070,467.16	4,289	0.50	12.86
9682	CENTRAL	0	0	No	26.06	13.37	12.69	1,615	19,583.78	242	0.50	12.05
9692	CENTRAL	0	0	Yes	35.58	2.98	32.60	2,297	539,188.74	4,473	0.50	9.47
9702	EASTERN	0	0	No	3.42	0.00	3.42	1	306.82	8	0.10	3.10
9752	EASTERN	0	0	No	1.55	0.07	1.48	11	0.00	0	0.10	0.00
9792	CENTRAL	0	0	Yes	23.94	5.20	18.74	1,559	77,014.64	1,612	1.75	31.80
9802	EASTERN	0	0	No	14.94	0.00	14.94	186	27,034.08	200	0.10	0.91
9812	CENTRAL	0	0	Yes	34.16	7.96	26.20	1,094	90,175.77	1,098	1.00	12.89
9828	CENTRAL	0	0	No	11.27	0.47	10.80	216	48,522.41	326	0.50	1.81
9832	EASTERN	1	0	No	99.96	1.79	98.17	2,182	381,053.24	5,355	0.10	19.29
9854	EASTERN	0	0	No	0.05	0.00	0.05	1	0.00	0	0.00	0.00
9912	CENTRAL	0	0	No	24.29	10.34	13.94	1,553	806.63	24	1.75	8.13
9942	CENTRAL	0	0	Yes	27.26	3.93	23.33	1,990	19,877.35	318	1.00	8.18
15002	CENTRAL	0	0	No	0.02	0.00	0.02	2	0.00	0	0.10	4.74
15034	WESTERN	0	0	No	0.28	0.28	0.00	0	0.00	0	0.00	3.76
15044	WESTERN	0	0	No	0.28	0.27	0.00	0	0.00	0	0.00	3.48
15062	EASTERN	0	0	No	20.08	10.90	9.19	188	5,264.00	49	0.50	3.99
15242	CENTRAL	0	0	Yes	10.18	8.46	1.72	483	156.00	3	0.50	9.10
15252	CENTRAL	0	0	Yes	14.36	12.55	1.81	1,185	32,499.57	305	1.00	7.76
15262	CENTRAL	0	0	Yes	6.99	3.99	3.00	944	30,680.63	237	0.25	13.72
15472	EASTERN	0	0	Yes	4.89	1.63	3.26	351	1,170.09	24	1.00	1.73
15482	EASTERN	0	0	Yes	19.37	5.70	13.67	1,626	278,496.40	2,152	2.00	7.41
15492	EASTERN	0	0	No	0.02	0.00	0.02	0	0.00	0	0.00	0.00
15702	WESTERN	0	0	Yes	22.67	1.19	21.48	2,184	62,612.47	667	0.20	17.40
15712	WESTERN	0	0	Yes	14.30	2.10	12.20	822	35,218.62	871	0.20	12.83
15722	WESTERN	0	0	No	0.05	0.00	0.05	0	0.00	0	0.00	0.00
15752	WESTERN	0	0	No	0.01	0.00	0.01	0	0.00	0	0.00	0.00
15762	WESTERN	0	0	Yes	10.12	2.36	7.76	659	61,822.18	1,326	0.10	11.77
15772	WESTERN	0	0	Yes	8.55	0.41	8.14	689	140,610.89	1,334	0.20	4.07

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.



Eight-Year Wooden Pole Inspection Programs

SUMMARY OF THE INSPECTION PROGRAM Section 2.1

Review of Wooden Pole Inspection Program

TOTAL POLES Appendix 2, Column A
POLES PLANNED FOR INSPECTION FOR THE YEAR OF REVIEW Appendix 2, Column B
POLES INSPECTED FOR THE YEAR OF REVIEW Appendix 2, Column C
POLES FAILED INSPECTION FOR THE YEAR OF REVIEW Appendix 2, Column D
CORRECTIVE ACTION AND HOW MANY POLES WERE CORRECTED Appendix 2, Column G
THE NUMBER OF YEARS COMPLETED IN THE 8-YEAR CYCLE Section 2.1

Projected Next Year of Review Wooden Pole Inspection Summary

TOTAL POLES(SHOULD BE THE SAME AS ABOVE) Appendix 2, Column A
NUMBER OF WOODEN POLES INSPECTED DURING CURRENT 8-YEAR CYCLE Appendix 2, Column L
NUMBER OF WOODEN POLE INSPECTIONS PLANNED FOR THE NEXT YEAR Appendix 2, Column K
Years Remaining in the 8-year cycle after the next year of review Section 2.3

Ten Initiatives

(1) Three-Year Vegetation Management Cycle for Distribution Circuits

SUMMARY OF THE VEGETATION MANAGEMENT PLANS Section 3.1

Vegetation Clearing from Feeder Circuits

1ST YEAR OF THE 3-YEAR CYCLE Section 3.1
TOTAL FEEDER MILES Section 3.5
MILES TRIMMED FOR EACH YEAR OF THE CYCLE Section 3.5
TOTAL FEEDER MILES TRIMMED Section 3.5

Vegetation Clearing from Lateral Circuits

NUMBER OF YEARS IN CYCLE Section 3.5
1ST YEAR OF CYCLE Section 3.5
MILES TRIMMED FOR EACH YEAR OF THE CYCLE Section 3.5
TOTAL LATERAL MILES TRIMMED Section 3.5

(2) Audit of Joint use Agreements

SUMMARY OF THE JOINT USE AGREEMENTS FOR POLES AND A SUMMARY OF THE MONITORING OF THE STRENGTH AND LOADING REQUIREMENTS FOR THOSE POLES Section 4.1

(3) Six-Year Transmission Inspections

SUMMARY OF THE SIX-YEAR TRANSMISSION STRUCTURES, SUBSTATIONS, AND ALL HARDWARE ASSOCIATED WITH THESE FACILITIES INSPECTIONS Section 5.0

(4) Hardening of Existing Transmission Structures

Summary of the Hardening of Existing Transmission Structures Section 6.0

(5) Transmission and Distribution Geographic Information System

SUMMARY OF GULF'S TRANSMISSION AND DISTRIBUTION GEOGRAPHIC INFORMATION SYSTEM Section 8.0

(6) Post-Storm Data Collection and Forensic Analysis

SUMMARY OF GULF'S POST-STORM DATA COLLECTION AND FORENSIC ANALYSIS Section 9.1

(7) Collection of Detailed Outage Data Differentiating Between the Reliability Performance of Overhead and Underground Systems

SUMMARY OF COLLECTION OF DETAILED OUTAGE DATA DIFFERENTIATING BETWEEN THE RELIABILITY PERFORMANCE OF OVERHEAD AND UNDERGROUND SYSTEMS Section 10.0

- (8) **Increased Utility Coordination with Local Governments**
SUMMARY OF GULF’S EFFORTS TO COORDINATE WITH LOCAL GOVERNMENTS **Section 11.0**
- (9) **Collaborative Research on Effects of Hurricane Winds and Storm Surge**
SUMMARY OF THE CONTINUING COLLABORATIVE RESEARCH WITH PURC ON THE EFFECTS OF HURRICANE WINDS AND STORM SURGE **Appendix 4**
- (10) **A Natural Disaster Preparedness and Recovery Program**
SUMMARY OF GULF’S NATURAL DISASTER PREPAREDNESS AND RECOVERY PROGRAM ... **Section 13.0**

Reliability Performance

Summary of the company’s overall reliability performance **Section 15.1**

Actual Distribution Service Reliability

- Form PSC/ECR 102-1(a): Causes of Outages Events – Actual** **Appendix 1**
- Form PSC/ECR 102-2(a): Three Percent Feeder list – Actual** **Appendix 1**
- Form PSC/ECR 102-3(a): System Reliability Indices – Actual** **Appendix 1**

Provide Documented Exclusion CMI and CI for the following categories:

- Planned Outages **Appendix 1**
- NAMED STORM OUTAGES **Appendix 1,Section 15.7**
- TORNADOS **Appendix 1,Section 15.7**
- ICE ON LINES **Appendix 1,Section 15.7**
- Planned Load Management Event **Appendix 1,Section 15.7**
- Customer Request **Not Available**
- FIRES **Appendix 1,Section 15.7**
- EXTREME WEATHER EVENT **Appendix 1,Section 15.7**
- OTHER DISTRIBUTION **Appendix 1,Section 15.7**
- Other Transmission and Generation **Appendix 1**
- SUMMARY OF DOCUMENTED EXCLUSIONS (CMI AND CI) **Section 15.7**

Adjusted Distribution Service Reliability

- Actual Data: CUSTOMER MINUTES OF INTERRUPTION (CMI), CUSTOMER INTERRUPTIONS (CI) AND DOCUMENTED EXCLUSIONS** **Appendix 1**
- Form PSC/ECR 102-1(b): CAUSES OF OUTAGES EVENTS – ADJUSTED** **Appendix 1**
- Form PSC/ECR 102-2(b): THREE PERCENT FEEDER LIST – ADJUSTED** **Appendix 1**
- Form PSC/ECR 102-3(b): SYSTEM RELIABILITY INDICES – ADJUSTED** **Appendix 1**
- Summary of SAIDI, RELATED TRENDS AND ACTIONS TAKEN** **Section 15.1 and 15.3**
- Summary of SAIFI; RELATED TRENDS AND ACTIONS TAKEN** **Section 15.1 and 15.3**
- Summary of CAIDI; RELATED TRENDS AND ACTIONS TAKEN** **Section 15.1 and 15.3**
- Summary of MAIFle; RELATED TRENDS AND ACTIONS TAKEN** **Section 15.1 and 15.3**
- Summary of CEMI5; RELATED TRENDS AND ACTIONS TAKEN** **Section 15.1 and 15.3**
- Summary of L-Bar; RELATED TRENDS AND ACTIONS TAKEN** **Section 15.1 and 15.3**
- Summary of the Three Percent Feeder Report, PLUS WHAT IS BEING IMPLEMENTED TO CORRECT FEEDERS RECURRING ON THE REPORT** **Section 15.3**
- Summary of the Eight Outage Cause Categories, AND WHAT WAS IMPLEMENTED TO IMPROVE RELIABILITY DUE TO THE WORST CAUSES.....** **Section 15.1, 15.9, and Appendix 1**
- Summary of Company’s Reliability Related Complaints, PLUS ANALYSIS OF COMPLAINTS AND WHAT WAS DONE TO CORRECT THE PROBLEM** **Section 15.1 and 15.11**