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February 29, 2012

Mr. Marshall Willis, Director Division of Economic Regulation Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee FL 32399-0868

120000-07

Dear Mr. Willis:

Attached are an original and seven copies of 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,

ry a. Davos

nm

Attachment

Cc w/attach: Ms. Ann Cole, Commission Clerk



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FPSC-COMMISSION CLERK

## **GULF POWER COMPANY**

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# Reliability

## and

# **Storm Hardening Initiatives**

# Report

March 1, 2012



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## APPENDICES

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APPENDIX 3	FEEDER SPECIFIC DATA
APPENDIX 4	PURC REPORT ON COLLABORATIVE RESEARCH

## 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) and the Florida Cable Telecommunications Association (FCTA) on November 9, 2010.

On May 1, 2010, Gulf filed its 2010-2012 Storm Hardening Plan update as required by Rule 25-6.0342 FAC. Docket No. 100265-EI was opened to address the updates. On June 10, 2010, the Florida Public Service Commission (FPSC) Staff conducted a workshop to better understand Gulf's plan. In addition to the workshop, the FPSC Staff sent data requests to obtain clarification and additional information. On November 15, 2010 the Florida Public Service Commission Commission approved Gulf's 2010-2012 Storm Hardening Plan.

### 1.1 2011 Storm Hardening Activities

The following storm hardening activities were initiated and/or completed in the field during 2011:

#### Distribution

Gulf continued to hold meetings in order to enhance communications between Gulf's field personnel and third party attachers. Meeting notifications were sent to the following third party attachers: AT&T. Cox Communications Gulf Coast, MediaCom, Southern Light, LLC, Comcast Joint Holdings, Inc., Springfield Cablevision, Inc., Knology, CenturyLink, Brighthouse Networks, LLC, Century Tel/Madison River Communication, Escambia County School Board, Valparaiso Broadband Communications, Walton County, The Crest Corporation of Panama City, Campbellton Cable TV, Level 3 Communications, LLC, Community Cable Corporation, Peoples First Community Bank, Pineapple Beach Villas, Verizon, Fairpoint Communications, Inc., Windstream KDL, Inc., and Stone Container Corporation. Gulf's permit administrator, ICON Consulting, participated in these meetings as well. Increased communication between these parties is 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 to determine the type and class of pole required.

During these meetings, Gulf reviewed (1) planned major projects related to the scope of work and the location; (2) questions related to designing to Grade B standards; (3) the ongoing pole inspection program (Osmose); (4) any operational issues; (5) the pole count project (6) Smart Grid Investment Grant (SGIG) construction projects; (7) DOT projects and permitting issues; and (8) the 2010 – 2012 Storm Hardening Plan.

Organizational charts and maps identifying Gulf field personnel responsibility areas were provided to the third party attachers. All participants had the opportunity to ask questions and to clarify any issues. The 2011 meetings were held during the first and third quarters of the year. Attendees at the meetings held on March 9th in Panama City and March 11th in Pensacola included representation from:

- Gulf field personnel, special project engineers, technical services engineers, and their respective supervision and management
- o AT&T
- o Mediacom
- o Cox Communications Gulf Coast
- o Brighthouse Networks, LLC
- o Escambia County Schools
- o Southern Light
- o ICON consulting
- o Century Link

Attendees at the meetings held on August 30th in Panama City and September 2nd in Pensacola included representation from:

- Gulf field personnel, special project engineers, technical services engineers, and their respective supervision and management
- o Century Link
- o AT&T
- o ICON Consulting
- o Cox Communications Gulf Coast
- o Southern Light
- Fairpoint Communications
- o Davey Resource Group
- o Walton County

Prior to the 2011 hurricane season, Gulf, Southern Linc, and AT&T representatives held telephone updates to discuss their respective storm plans in the event of a major event. Since February 11, 2008, Gulf has assigned a liaison to AT&T during storm events. These conversations have already occurred in 2012 on this initiative thus continuing a smooth and timely flow of information that indicates when Gulf has neared

completion of restoration efforts in a particular area so that AT&T can then begin their own restoration work.

Gulf is on schedule and in some instances ahead of schedule with the following projects in its 2010 – 2012 Storm Hardening Plan.

**Distribution** 

- Critical infrastructure and major thoroughfares.
- Underground Network Improvements.
- Conversion of 4kV Distribution Feeders.
- Automated Overhead Faulted Circuit Indicators.
- Distribution Supervisory Control and Data Acquisition (DSCADA).

Transmission

- All critical lines were aerially inspected.
- Four separate aerial patrols of the total system were completed.
- Comprehensive walking/climbing and groundline 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 2011 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 (allowed certain deviations regarding CCA poles less than 15 years in age and poles surrounded by concrete and asphalt). In 2011, Gulf completed the fifth year of the 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 2011 Accomplishments

In 2011, a total of 53,963 poles were inspected with a rejection rate of 2.53%. See Appendix 2, titled "Annual Wood Pole Inspection Report" for details.

In the 2010 pole inspection, Gulf identified 1,060 reject poles. Gulf began changing out these rejects in 2010 and completed change out of these poles in 2011. Gulf also began to change out poles identified as

rejects from the 2011 inspection and completed 29.7% of the repairs before the end of 2011.

#### 2.3 Projected 2012 Goals

Gulf intends to continue its pole inspection program to ensure the Company remains on target to achieve an eight year inspection cycle. In addition, the remaining poles identified in the 2011 pole inspection as rejects will be changed out or reinforced in 2012. These poles are now being engineered and will be upgraded to Grade B construction standards.

## 3.0 Vegetation Management Programs

#### 3.1 Distribution Vegetation Management (VM) Plan Overview

In 2011, the Company continued the Vegetation Management (VM) program approved in PSC 07-1022-FOF-EI. The combination of the three year cycle on main line feeders, four year cycle on laterals, and an annual cycle of inspections and correction on main line feeders continued to improve system reliability performance.

#### 3.2 Transmission Vegetation Management Plan Overview

Vegetation hazard removals continued to be the focus of the Company's 2011 Transmission VM programs. Detailed ground patrols were performed on of the Company's transmission ROW corridors in an effort to identify vegetation conditions requiring correction. All vegetation conditions identified by the 2011 patrols were corrected through vegetation removal or pruning activities. In 2011, Gulf was once again in full compliance with NERC Standard FAC 003-1.

### 3.3 Supplemental VM Programs

Gulf continues to use the Distribution Lock-Out Report (DLOR) which is a tracking process developed by the Company to document and track distribution feeder lock-outs. This program continued to be an effective VM tool throughout 2011. The data collected during field evaluations by our Company engineers, foresters, and arborists helped identify the root causes of feeder breaker lock-outs. This enabled us to modify and improve our VM management practices employed on Gulf's distribution system. The use of DLOR will continue to be a valued element of our future VM programs. "Tree Gulf" was continued throughout 2011 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 Company employee, including non-field personnel, the ability to easily report vegetation concerns through phone, radio, or email communication.

## 3.4 Company's Overall Vegetation Management Summary

During 2011, Gulf pruned 259 miles of main line primary on its scheduled three-year cycle. The remaining 510 miles of main line primary were inspected and any vegetation conditions found to be out of specification were pruned or removed. Gulf also pruned 1,530 miles of lateral lines. Gulf is on schedule to establish a four-year cycle on lateral lines.

In comparing 2011 to 2010 system performance, the number of tree caused outages increased, but system reliability improved in terms of adjusted CI and adjusted CMI. An improvement of 7.6% was realized in terms of adjusted CMI.

## 3.5 2011 Distribution Performance Metrics (System Wide)

		FEEDER		LATERAL				
Outages & Interruptions	Unadjusted	Adjusted	Diff.	Unadjusted	Adjusted	Diff.		
A) Number of Outages	28	16	12	1,408	930	478		
B) Customer Interruptions	32,246	22,146	10,100	74,814	48,334	26,480		
C) Outages Per Mile	.047	.027	.020	.275	.181	.094		
D) Cl Per Mile	54.10	37.16	16.94	15.37	9.42	5.95		
E) Customer Minutes of								
Interruption	2,921,826	1,459,343	1,462,483	13,772,578	6,095,170	7,677,408		

#### 1. Distribution VM Reliability

## 2. Distribution Performance

VM Miles Cleared and Contractor Cost	Plan (mi)	Actual (mi)	Plan (\$)	Actual (\$)
A) MATS Mainline Annual Trim Schedule (3 Year Cycle)	259	259	\$518,000	\$464,988
B) MICS Mainline Inspect & Correct Schedule (1 Year Cycle)	510	510	\$102,000	\$97,139
C) <b>SALT</b> Scheduled Annual Lateral Trim (4 Year Cycle)	1,486	1,530	\$3,715,000	\$4,846,593
D) <b>TICKETS</b> (T) Hot Spot Tickets Completed with Contract Cost	Feeder (T) 17	Lateral (T) 3,379	Feeder (\$) \$2,411	Lateral (\$) \$419,958

## 3. Total Distribution Vegetation Cost

VM Planned Vs Actual Program Costs	Plan (\$)	Actual (\$)
A) VM Contractor Costs (MATS, MICS, SALT, and TICKETS)	\$4,887,644	\$5,831,089
B) VM Other Program Costs (Internal Labor and Miscellaneous)	\$30,456	<u>\$81,023</u>
C) Total Distribution Vegetation Cost	\$4,918,100	\$5,912,112

## 4.0 Joint Use Pole Attachment Audits

Gulf performs its joint use inventory audits, covering the overhead distribution system as required by FPSC Order No. PSC-06-0781-PAA-EI every five years. The most recent audit was completed on December 15, 2011. The next audit is scheduled for 2016.

## 4.1 Activity and Costs Incurred for 2011 and 2012 Projections

The 2012 Joint Use Pole Count was completed at a cost of \$337,721.64. No additional costs are anticipated in 2012.

## 4.2 Joint Use Attachment Audits – Distribution Poles

(A) Number of company owned distribution poles (See Note 1)	200,866
(B) Number of company distribution poles leased: 8 Telecomm attachers on	
Guif's poles (See Note 1)	115,058
(C) Number of owned distribution pole attachments: 7 CATV, numerous	
Government and other 3 <sup>rd</sup> party attachers on Gulf's poles (See Note 1)	160,726
(D) Number of leased distribution pole attachments: Foreign poles Gulf Power is	
attached to (See Note 1)	58,247
(E) Number of authorized attachments: Sum of all attachments to Gulf Power	
Company poles (See Note 1)	297,773
(F) Number of unauthorized attachments: (See Note 2)	26,317
(G) Number of apparent NESC violations involving electric infrastructure	Note 3
(H) Number of apparent NESC violations involving 3rd party facilities	Note 3

NOTES:

Note 1: Data has been updated based on the 2011 pole audit.

Note 2: Data based on the 2012 invoicing.

Note 3: Gulf Power does not collect this type of data as part of the joint use process. When Gulf becomes or is made aware of NESC violations, Gulf takes corrective measures.

## 5.0 Six-Year Inspection Cycle for Transmission Structures

#### 5.1 Activity and Costs Incurred for 2011 and 2012 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 Standards. Gulf contracts ground line inspections and uses a combination of Company employees and contractors to perform comprehensive walking and aerial inspections. Gulf Power Company's transmission inspection program is based on two alternating twelve-year cycles which result in a structure being inspected at least every six years. As part of the Transmission Line Inspection Standards, Gulf performs at least 4 routine aerial patrols each year.

In 2011, Gulf Power spent a total of \$49,658 on a combination of comprehensive walking and ground line treatments for metal poles and towers. In addition to this amount, Gulf spent \$256,232 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. Additionally, Gulf performed 4 aerial inspections of its system with an actual cost of \$11,291.

**Note:** After completing over 50% of the fourth aerial inspection the plane used for aerial inspections developed mechanical problems and was not able to complete the final patrol until January, 2012.

## 5.2 Transmission Circuit, Substation and Other Equipment Inspections

Gulf completed 33 transmission substation inspections during 2011 as planned. The costs associated with inspections are not tracked separately from general maintenance expenses. Gulf transmission does not inspect by circuit.

	2011 Activity		2011 Costs		2012	
	Goal	Actual	Budget	Actual	Goal	Budget
(A) Total Transmission Metal Poles and Towers Inspections <sup>(Note 1)</sup>	-	3,298	-	-	-	-
(B) Transmission Metal Poles and Towers	300	611	\$37,571	\$49,658	362	\$43,341
(C) Percent of transmission Metal Poles and Tower inspections completed	-	19%	-	-	-	-

## 5.3 Transmission Metal Pole and Tower Inspections

### 5.4 Transmission Pole Inspections

	2011	2011 Activity		Costs	2012	
	Goal	Actual	Budget	Actual	Goal	Budget
(A) Total number of Transmission Poles	-	14,861		_	-	-
(B) Number of transmission poles inspected.	1,682	2,734	\$212,908	\$256,232	2,609	\$296,710
(C) Number of transmission poles passing inspection.	-	2,230	-	*	*	-
(D) Number of transmission poles failing strength test (overloaded)	-	N/A	-	-	-	-
(E) Number of transmission poles failing inspection (other reasons).	-	504	-	-	-	-
(F) Number of transmission poles corrected (strength failure)	-	0	_	-	-	*
(G) Number of transmission poles corrected (other reasons)	-	578	_	-	-	•
(H) Total transmission poles replaced	-	578	-	-	N.A. (Note 1)	-

#### NOTES:

**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 2012 is not applicable.

## 6.0 Storm Hardening Activities for Transmission Structures

### 6.1 Activity and Costs Incurred for 2011 and 2012 Projections

Gulf Power Company identified two priority hardening activities for transmission structures: installation of guys on H-frame structures and

replacement of wooden cross arms with steel cross arms. These activities will add additional strength capacity to the existing structures.

Gulf Power Company believes these two activities are the best alternatives for existing transmission assets most at risk. All replacements and installations are proceeding on schedule to meet the target completion dates.

6.2 Hardening of Existing Transmission Structures (Poles)

	-					
	2011 Activity		2011 Costs		20	12
	Goal	Actual	Budget	Actual	Goal	Budget
(A) Transmission structures hardened	858	900	(Note 1)	(Note 1)	850	(Note 1)
(B) Percent Transmission structures						
hardening completed	-	104%	-		-	-

NOTES:

Note 1: Actual dollars spent are incorporated into a budget for maintenance replacement of capital items 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 a similar-caused outage occurring in the future. The review of data for the past five years does not show any trends or patterns in items 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 as a result of a similar system disturbance.

### 7.3 Distribution Substation Reliability Problem Identification Process

In order to promote substation reliability, inspections are performed. These inspections include visual checks on all equipment including breakers, regulators, transformers and battery banks. The substation is verified to ensure that proper signs are installed. 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 existing Standard Transmission Operation and Maintenance Program (STOMP) and scheduled for repair.

Along with station inspections, equipment maintenance is performed on a regular cycle to maintain reliability. A detailed battery inspection is completed every six months with impedance tests performed every four years. 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 and power factor testing is performed every six years.

## 7.4 Distribution Substation Inspections During Normal Operations

Gulf inspected all of its distribution substations at least once during 2011.

## 8.0 Geographic Information System (GIS)

## 8.1 Activity and Costs Incurred for 2011 and 2012 Projections

Gulf completed its distribution facilities mapping transition to its new Distribution Geographic Information System (DistGIS) in 2009.

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.

## 8.2 Distribution Overhead Data Input

All overhead distribution equipment has been captured in Gulf's DistGIS including conductors, regulators, capacitors and switches, protective devices such as reclosers, sectionalizers, fuses and transformers. The 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 sufficient facility information to use with collected forensic data to assess performance of its 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, regulators, capacitors and switches, protective devices such as reclosers, sectionalizers, fuses and transformers. The 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 sufficient facility information to use with collected forensic data to assess performance of its 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 2011 and 2012 Projections

#### **Distribution:**

While Gulf did feel some effects from Tropical Storm Lee in September 2011, the event was not significant enough to bring the forensic collection team on the system. The contractor did conduct a refresher training course during 2011 to ensure the inspectors stay current on the procedures for forensic collection.

Gulf feels confident that it is ready to perform post-storm forensics if needed in the 2012 storm season.

#### **Transmission:**

Gulf Power Company's Transmission department's 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 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 making a determination 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 Outage Data Differentiating Between Overhead and Underground Systems

Gulf did experience outages and damage from several FPSC excludable storms in 2011. These storms, although excludable under the FPSC rules, did not produce major storm related data.

## 10.1 Activities and Costs Incurred in 2011 and 2012 Projections

As reported previously, Gulf expanded its record keeping and analysis of data associated with overhead and underground outages, some of which is included in Section 15.10.4 of this report. Gulf continued collecting the following data on outages as they occur:

- UG cable is:
  - o direct buried
  - o direct buried but cable injected
  - o in conduit
- Pole type is:
  - o concrete
  - o **wood**

This data was collected as each outage occurred using the Company's Trouble Call Management System (TCMS). Data collected in 2011 is shown in the tables below. This data includes transmission, planned outages, and all exclusions. The costs of collecting this data were minimal as existing systems and processes were utilized.

Customers	System 2		Cl	CEMID:	Duration	SAIDI	SAIFI	CAIDI	L-Bar
432,536	Overhead	12,399	778, <b>99</b> 2	74,670,725	1,689,676	172.63	1.801	95.86	136.28
432,536	URD - Direct Burial	595	12,469	2,224,123	111,730	5.14	0.029	178.37	187.78
432,536	URD - In Conduit	157	5,103	883,362	23,811	2.04	0.012	173.11	151.66
432,536	URD - Injected	-	-	-	-	-	-	-	-
432,536	URD - Undetermined	316	7,372	1,218,819	57,186	2.82	0.017	165.33	180.97

Customers C. Fallu	iel N	C I	<b>CMI</b>	Duration	saidi	SAIFI	CAIDI	L-Bar
432,536 Pole - Woo	od 22	2,211	455,955	5,940	1.05	0.005	206	270
432,536 Pole - Con	crete 1	14	4,545				324	

## **11.0 Coordination with Local Governments**

Gulf Power Company is committed to coordinating with local governments on major projects and storm preparedness. For all major projects, Gulf Power meets with governmental entities as appropriate to discuss the scope of the projects and coordinate activities involved with project implementation. Gulf Power also works very closely with the county Emergency Operation Centers (EOC) in its service area for storm preparedness and restoration activities as needed.

In 2007, Gulf initiated an ongoing survey with the four active EOCs in Northwest Florida to gauge the company's collaboration with the EOCs. In the surveys, the Directors for the Escambia County, Santa Rosa County, Okaloosa County, and Bay County EOCs are asked to gauge Gulf Power's participation level, responsiveness, presence in the EOC, and overall information exchange. Three surveys of this type have been conducted over the years. In all cases, all four EOCs rated Gulf Power's coordination efforts as "Outstanding." The surveys show that Gulf Power values and actively pursues a positive and cooperative relationship with the leadership in every community served.

In addition, Gulf maintains year-round contact with city and county officials to ensure cooperation in planning, good communications and coordination of activities.

Gulf Power has hosted Community Leader Forums in the three geographic districts. Community, government, education and business leaders are invited to these half-day events where Gulf Power gives an update on the company's plans and activities and asks for input from the community. Working with the community leaders, two or three key community issues are identified and brought to the forum for leaders to listen to each other and build consensus on how to address the issues.

Gulf Power hosts an annual economic symposium where relationships with these key officials are nurtured.

Gulf Power also has designated employees in every community whose job is to keep in regular contact with city, county and business leadership.

## 11.1 Ongoing Programs

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

- 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 Okaloosa County Emergency Management Committee. This Committee is a coordinated effort between government and business to address emergency preparedness issues on a monthly basis.

Gulf Power Line Clearance Specialists and Forestry Services Technicians also 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 Company 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 Power personnel also participated in the following hurricane activities with local governments during 2011:

- Escambia County EOC
  - Hurricane Drill
  - All EOC Activations
  - News Media Storm Drill/Training
  - EOC Representative Training
- Santa Rosa Co. EOC
  - Hurricane Drill
  - All EOC Activations
  - News Media Storm Drill/Training
  - EOC Representative Training
- Okaloosa County EOC
  - Hurricane Drill
  - All EOC Activations
  - EOC Representative Training
  - Media Storm Training Session (Emergency Communication Procedures)
  - Storm response training in North and South Okaloosa County where we met with local disaster

preparedness officials to go over storm readiness and response plans and to get their feedback.

- Bay County EOC
  - Hurricane Drill
  - All EOC Activations
  - News Media Storm Drill/Training
  - Three-day training class on EOC operations and storm restoration sponsored by The National Domestic Preparedness Consortium (NDPC) through Texas A&M University.

## 11.2 Storm Preparation

Thirteen employees are assigned to the county EOCs throughout Northwest Florida. Each of those employees received federal certification under the National Incident Management System (NIMS) through FEMA. The EOC Representatives assist city and county agencies and officials during emergencies that warrant activation of the county EOCs. Gulf Power provides 24-hour coverage throughout the duration of the EOC activation. All actions are based on the Company's central Emergency Operations Plan.

Gulf Power's Emergency Operations Plan includes ongoing communications, pre-storm communications, and post-storm communications supplied by the Corporate Communications Department. Company News Releases are delivered to the County EOCs at least twice daily during storm restoration events to keep local government agencies and officials apprised of the latest Company restoration activities.

## 11.3 Storm Restoration

Gulf Power maintains an active communication link with the activated EOCs for storm events. Assigned Gulf Power representatives coordinated pre-storm activities with the County EOCs to establish emergency communication links with local and state officials, the media, and restoration crews for all 2011 EOC activations.

Gulf Power strives to restore emergency services as quickly as possible. In addition, Gulf Power has completed storm-hardened pilot projects for feeder lines that serve critical infrastructures such as hospitals, water treatment facilities, and fuel depots to minimize outages of these facilities during major storm events. Gulf's service area was affected by Tropical Storm Lee in September 2011. Restoration of the resulting outages was handled by the local district offices working together to allocate resources as needed. It was

## **12.0 Collaborative Research**

As a member of the Public Utility Research Center (PURC), 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's 2011 Disaster Preparedness and Recovery Plan had no major revisions from what was submitted in the Company's March 1, 2010 annual filing. A copy can be provided upon request.

## 13.1 Activity and Costs Incurred for 2011 and 2012 Projections

Gulf continues to provide annual refresher training in the area of storm preparedness for various storm roles at minimal cost.

## 13.2 Disaster Recovery Plan Activity

Gulf's 2012 Storm Procedures Manual is currently being reviewed by management. Revisions, if any, will be returned and incorporated in the Manual by June 1, 2012. Storm assignments and training schedules are being finalized with plans for training to be completed prior to hurricane season.

## 13.3 Hurricane Drill

A mock hurricane drill was conducted on May 23, 2011, at Gulf's Corporate Office. The purpose of this drill was to raise awareness and continue a culture of preparedness both at work and at home. All participants rehearsed departmental readiness plans in response to a natural disaster. Discussions focused on:

• The preparedness cycle of (1) updating plans and procedures (2) organizing, training, and equipping personnel (3) conducting exercises to test our thought processes and plans and to identify and correct any gaps and (4) evaluating and improving processes

- The importance of employees preparing their homes and family both prior to and after landfall
- Safety precautions both before, during, and after a storm
- Worst case scenarios
- The expectation of providing our customers with the best/most current information related to their restoration time
- The drill scenario called for a "Katrina" type hurricane landfall at Destin, Florida as a category 3 with a hurricane severity index of 36. The storm then changed course and struck Panama City with 135 mph winds and a 17 foot storm surge along with tornado activity. Participants tested their responses and the quality of existing plans based on the availability of outside resources and logistics capabilities.

Gulf Power Company's next hurricane drill is scheduled for May 1, 2012.

## 14.0 Storm Season Ready Status

#### **Storm Recovery Plan**

Gulf uses the strategy described in its Storm Recovery Plan to respond to any natural disaster that may occur in our service area. The plan has previously proven to be very effective in recovering from multiple storms that have impacted Gulf and its customers. As part of its annual operations, Gulf has developed and refined its planning and preparations for the possibility of a natural disaster in the Florida panhandle. This planning is updated annually to build on what works well and to improve in areas that do not work as well as intended. 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 encapsulated within a detailed and proprietary Storm Recovery Plan procedure manual as an element of its Natural Disaster Preparedness and Recovery program. The manual will follow the guidelines and philosophy set forth in the Storm Recovery Plan.

The restoration procedure establishes 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, and storms 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 the Transmission Emergency Restoration Plan.

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 available supplies from the material vendors, are sufficient to meet the anticipated demands of the storm season.

## 15.0 2011 Reliability Performance

## 15.1 Overall Performance

Gulf's 2011 System Average Interruption Duration Index (SAIDI) is reported as 111 minutes, which is a decrease of 35 minutes over 2010 results. The System Average Interruption Frequency Index (SAIFI) decreased to 1.25 interruptions: the 2010 result was 1.74 interruptions, which shows a decrease compared to 2010. The Customer Average Interruption Index (CAIDI) increased to 89 minutes compared to the 84 minutes in 2010. Momentary Interruptions that Gulf's customers experienced decreased to 5.5 momentary interruptions in 2011 compared to 7.1 momentary interruptions in 2010. In 2011 the percent of customers experiencing more than 5 interruptions decreased to 1.9 percent compared to 3.3 percent in 2010.

Gulf's top five causes of outages are animal, deterioration, lightning, trees, and unknown. Although animal causes are still the number one cause of outages two of the five causes continued to decline.

Gulf had several distribution weather exclusions for 2011. These are listed in section 15.7.

In 2011, Gulf continued to seek improvements in the company's distribution reliability.

Gulf is on schedule with the implementation of its 2010 – 2012 Storm Hardening Plan. In addition, improved processes such as those mentioned previously, the Distribution Lock-Out Report and "Tree Gulf" continue to be utilized.

See Appendix 1 for 2011 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 2011, Gulf was impacted by several storm events which did meet the FPSC exclusion criteria.

For the third year in a row, Gulf's adjusted system outages decreased. Gulf's adjusted total system outages from 2010 to 2011 showed a significant improvement with reduced outages of approximately 7%. Seven of the top ten outage causes showed improvements.

Gulf Power has recorded more Planned Outages in 2011 than in previous years. Since the implementation of AMI, the AMI meter reports an outage at the time of the outage thus helping to capture these types of outages more consistently.

#### 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 meter level. As a result, Gulf can review data and the resulting reliability indices at the system level and by its three districts – Western, Central, and Eastern.

#### 15.5 Generation Events – Adjustments

There were no generation events excluded from distribution reliability reporting in 2011.

#### 15.6 Transmission Events – Adjustments

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

March 9, 2011 Tornado indices are as follows:

- N = 62
- CI = 4,652
- CMI = 323,324
- SAIDI = .75
- SAIFI = .011
- CAIDI = 69.50

April 4<sup>th</sup>, 2011 Tornado indices are as follows:

- N = 337
- CI = 22,743
- CMI = 7,677,442
- SAIDI = 17.75
- SAIFI = .053
- CAIDI = 337.57

Tropical Storm Lee indices are as follows:

- N = 913
- CI = 71,959
- CMI = 16,962,485
- SAIDI = 39.22
- SAIFI = .166
- CAIDI = 235.72

#### 15.8 Other Distribution Adjustments

Please see Appendix 1 for Planned Outage excluded events.

#### 15.9 Adjusted Reliability

#### 15.9.1 Outage Event Causes

#### 15.9.1.1 Five-Year Patterns

Below are trend tables showing the percentage of change in N and separate tables for SAIDI and SAIFI showing the percentage change for five years for the top ten outage causes.

Gulf is still in the process of analyzing the 2011 data to determine the need for any specific improvement

activities	beyond	current	programs	and	storm	hardening
initiatives	which a	tre unde	erway.			

Cause	(All)						
Region	Data	2006	2007	2008	2009	2010	2011
Central	N	2,404	2,567	2,819	2,984	2,495	2,371
	% Change	1%	7%	10%	6%	-16%	-5%
Eastern	N	2,273	1,917	2,133	1,964	1,913	1,753
	% Change	32%	-16%	11%	-8%	-3%	-8%
Western	N	5,199	5,466	6,481	6,294	5,929	5,465
	% Change	-6%	5%	19%	-3%	-6%	-8%
Company	Ν	9,876	9,950	11,433	11,242	10,337	9,589
	% Change	2%	1%	15%	-2%	-8%	-7%

Cause	Animal						
Region	Data	2006	2007	2008	2009	2010	2011
Central	N	611	730	1,009	942	847	843
	% Change	15%	19%	38%	-7%	-10%	0%
Eastern	N	412	345	402	314	344	338
	% Change	56%	-16%	17%	-22%	10%	-2%
Western	N	586	1,014	2,006	1,856	1,772	1,832
	% Change	-15%	73%	98%	-7%	-5%	3%
Company	N	1,609	2,089	3,417	3,112	2,963	3,013
	% Change	8%	30%	64%	-9%	-5%	2%

Cause	Deterioration						
Region	Data	2006	2007	2008	2009	2010	2011
Central	N	497	573	557	661	536	427
	% Change	13%	15%	-3%	19%	-19%	-20%
Eastern	N	365	430	500	449	451	459
	% Change	6%	18%	16%	-10%	0.50%	2%
Western	N	1,052	1,185	1,243	1,223	1,224	1,042
	% Change	23%	13%	5%	-2%	0.08%	-15%
Company	N	1,914	2,188	2,300	2,333	2,211	1,928
	% Change	17%	14%	5%	1%	-5%	-13%

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Cause	Lightning						
Region	Data	2006	2007	2008	2009	2010	2011
Central	N	427	447	397	469	299	385
	% Change	18%	5%	-11%	18%	-36%	29%
Eastern	N	461	378	433	352	305	282
	% Change	71%	-18%	15%	-19%	-13%	-8%
Western	N	1,419	1,287	1,324	1,259	965	860
	% Change	16%	-9%	3%	-5%	-23%	-11%
Company	N	2,307	2,112	2,154	2,080	1,569	1,527
	% Change	25%	-8%	2%	-3%	-25%	-3%

Cause	Tree						
Region	Data	2006	2007	2008	2009	2010	2011
Central	N	217	219	234	244	218	227
	% Change	28%	1%	7%	4%	-11%	4%
Eastern	N	249	325	314	296	235	244
	% Change	46%	31%	-3%	-6%	-21%	4%
Western	Ν	826	875	766	753	698	703
	% Change	29%	6%	-12%	-2%	-7%	1%
Company	N	1,292	1,419	1,314	1,293	1,151	1,174
	% Change	32%	10%	-7%	-2%	-11%	2%

Cause	Unknown						
Region	Data	2006	2007	2008	2009	2010	2011
Central	N	218	224	282	289	170	200
	% Change	-58%	3%	26%	2%	-41%	18%
Eastern	N	274	151	152	200	136	154
	% Change	-26%	-45%	1%	32%	-32%	13%
Western	N	495	367	440	499	333	337
	% Change	-63%	-26%	20%	13%	-33%	1%
Company	N	987	742	874	988	639	691
	% Change	-56%	-25%	18%	13%	-35%	8%

Cause	Vehicle						
Region	Data	2006	2007	2008	2009	2010	2011
Central	N	62	62	68	66	57	57
	% Change	-27%	0%	10%	-3%	-14%	0%
Eastern	N	65	63	68	76	66	67
	% Change	25%	-3%	8%	12%	-13%	2%
Western	N	157	211	152	133	141	125
	% Change	-45%	34%	-28%	-13%	6%	-11%
Company	N	284	336	288	275	264	24 <del>9</del>
	% Change	-33%	18%	-14%	-5%	-4%	-6%

Cause	Overload						
Region	Data	2006	2007	2008	2009	2010	2011
Central	N	46	71	42	58	66	50
	% Change	-30%	54%	-41%	38%	14%	-24%
Eastern	N	65	63	57	60	97	38
	% Change	-23%	-3%	-10%	5%	62%	-61%
Western	N	112	137	99	127	251	74
	% Change	8%	22%	-28%	28%	98%	-71%
Company	N	223	271	198	245	414	162
	% Change	-12%	22%	-27%	24%	69%	-61%

Cause	Contamination	/Corrosion					
Region	Data	2006	2007	2008	2009	2010	2011
Central	N	36	35	52	72	90	52
	% Change	13%	-3%	49%	38%	25%	-42%
Eastern	N	29	37	52	56	79	34
	% Change	4%	28%	41%	8%	41%	-57%
Western	N	72	71	99	84	97	65
	% Change	24%	-1%	39%	-15%	15%	-33%
Company	N	137	143	203	212	266	151
	% Change	16%	4%	42%	4%	25%	-43%

Cause	Other			<u>.</u>			
Region	Data	2006	2007	2008	2009	2010	2011
Central	N	33	38	16	38	74	56
	% Change	38%	15%	-58%	138%	95%	-24%
Eastern	N	29	27	16	37	71	30
	% Change	81%	-7%	-41%	131%	92%	-58%
Western	N	57	46	39	91	143	136
	% Change	46%	-19%	-15%	133%	57%	-5%
Company	N	119	111	71	166	288	222
	% Change	51%	-7%	-36%	134%	73%	-23%

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Cause	Vines						
Region	Data	2006	2007	2008	2009	2010	2011
Central	N	16	30	45	30	35	32
	% Change	0%	88%	50%	-33%	17%	-9%
Eastern	N	21	18	38	2 <del>9</del>	41	45
	% Change	-13%	-14%	111%	-24%	41%	10%
Western	N	46	70	79	91	113	110
	% Change	15%	52%	13%	15%	24%	-3%
Company	Ν	83	118	162	150	18 <del>9</del>	187
	% Change	4%	42%	37%	-7%	26%	-1%

## The SAIDI and SAIFI Trend Tables showing the percentage change for five years for the top ten causes are shown below.

Cause	(All)						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIDI	174.13	109.35	98.93	106.63	115.3	89.9
	% Change	44%	-37%	-10%	8%	8%	-22%
Eastern	SAIDI	331.38	100.44	140.23	140.08	133.41	110.29
	% Change	321%	-70%	40%	0%	-5%	-17%
Western	SAIDI	157.55	145.73	145.89	157.47	168.02	123.49
	% Change	21%	-8%	0%	8%	7%	-27%
Company	SAIDI	205.12	124.8	132.45	140.01	145.64	111.46
	% Change	79%	-39%	6%	6%	4%	-23%

Cause	(All)						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIFI	1.276	0.952	1.142	1.082	1.577	1.086
	% Change	-5%	-25%	20%	-5%	46%	-31%
Eastern	SAIFI	1.288	1.121	1.127	1.2	1.637	1.309
	% Change	81%	-13%	1%	6%	36%	-20%
Western	SAIFI	1.274	1.323	1.44 <del>9</del>	1.589	1.88	1.301
	% Change	3%	4%	10%	10%	18%	-31%
Company	SAIFI	1.278	1.176	1.288	1.359	1.74	1.247
	% Change	13%	-8%	10%	6%	28%	-28%

Cause	Animal						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIDI	7.49	11.67	9.86	10.08	8.82	7.66
	% Change	56%	56%	-16%	2%	-13%	-13%
Eastern	SAIDI	9.51	5.03	5.53	2.63	9.8	3.94
	% Change	166%	-47%	10%	-52%	273%	-60%
Western	SAIDI	3.23	5.33	11.14	13.81	13.52	7.81
	% Change	13%	65%	109%	24%	-2%	-42%
Company	SAIDI	5.9	6.88	9.37	9.97	11.36	6.78
	% Change	67%	17%	36%	6%	14%	-40%

Cause	Animai						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIFI	0.103	0.153	0.166	0.177	0.183	0.132
	% Change	62%	49%	8%	7%	3%	-28%
Eastern	SAIFI	0.105	0.063	0.058	0.033	0.103	0.08
	% Change	203%	-39%	-8%	-43%	212%	-22%
Western	SAIFI	0.042	0.074	0.144	0.133	0.172	0.121
	% Change	15%	78%	94%	-8%	29%	-30%
Company	SAIFI	0.073	0.092	0.128	0.119	0.157	0.113
	% Change	71%	25%	39%	-7%	32%	-28%

Cause	Deterioration						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIDI	42.01	17.45	17.35	26.72	26.85	16.26
	% Change	78%	-58%	<u>-1%</u>	54%	0.50%	-39%
Eastern	SAIDI	16.14	15.99	25.09	23.76	25.26	21.74
	% Change	85%	-1%	57%	-5%	6%	-14%
Western	SAIDI	13.61	19.37	21.65	26.83	29.24	20.28
	% Change	43%	42%	12%	24%	9%	-31%
Company	SAIDI	21.62	18.01	21.44	26.01	27.6	19.62
	% Change	67%	-17%	19%	21%	6%	-29%

Cause	Deterioration						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIFI	0.159	0.163	0.193	0.225	0.291	0.152
	% Change	-14%	2%	18%	17%	29%	-48%
Eastern	SAIFI	0.115	0.168	0.22	0.16	0.239	0.267
	% Change	94%	46%	30%	-27%	49%	12%
Western	SAIFI	0.104	0.173	0.207	0.239	0.359	0.189
	% Change	71%	66%	20%	15%	50%	-47%
Company	SAIFI	0.121	0.169	0.207	0.215	0.31	0.2
	% Change	31%	40%	22%	4%	44%	-35%

Cause	Lightning						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIDI	37.07	32.78	20.3	21.23	17.39	29.37
	% Change	62%	-12%	-38%	5%	-18%	69%
Eastern	SAIDI	52.12	26.47	32.75	44.16	15.87	26.52
	% Change	143%	-49%	24%	35%	-64%	67%
Western	SAIDI	44.79	36.73	43.47	52.58	33.64	28.41
	% Change	12%	-18%	18%	21%	-36%	-16%
Company	SAIDI	44.61	33.09	34.8	42.41	24.92	28.17
	% Change	44%	-26%	5%	22%	-41%	13%

Cause	Lightning						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIFI	0.261	0.269	0.208	0.237	0.173	0.269
	% Change	-11%	3%	-23%	14%	-27%	55%
Eastern	SAIFI	0.29	0.268	0.22	0.317	0.12	0.237
	% Change	62%	-7%	-18%	44%	-62%	98%
Western	SAIFI	0.306	0.311	0.313	0.394	0.254	0.249
	% Change	7%	1%	1%	26%	-36%	-2%
Company	SAIFI	0.29	0.289	0.262	0.334	0.199	0.251
	% Change	11%	0%	-9%	27%	-40%	26%

Cause	Tree						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIDI	10.76	5.94	3.66	7.03	9.78	9.78
	% Change	71%	-45%	-38%	92%	39%	0%
Eastern	SAIDI	15.49	22.01	25	22.43	19.13	13.01
	% Change	75%	42%	14%	-10%	-15%	-32%
Western	SAIDI	36.55	37.4	27.71	20.63	25.3	25.17
	% Change	135%	2%	-26%	-26%	23%	-1%
Company	SAIDI	24.61	25.39	20.88	17.63	19.75	18.09
	% Change	114%	3%	-18%	-16%	12%	-8%

Cause	Tree						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIFI	0.101	0.053	0.037	0.086	0.075	0.103
	% Change	17%	-47%	-30%	132%	-13%	37%
Eastern	SAIFI	0.131	0.18	0.206	0.22	0.187	0.133
	% Change	28%	37%	15%	7%	-15%	-29%
Western	SAIFI	0.332	0.358	0.225	0.189	0.216	0.22
	% Change	81%	8%	-37%	-16%	14%	2%
Company	SAIFI	0.222	0.234	0.172	0.171	0.173	0.168
	% Change	60%	5%	-26%	-1%	1%	-3%

Cause	Unknown						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIDI	14	16.37	9.87	5.85	9.1	8.09
	% Change	-41%	17%	-40%	-41%	56%	-11%
Eastern	SAIDI	26.24	9.92	5.31	5.67	13.41	19.37
	% Change	49%	-62%	-46%	7%	137%	44%
Western	SAIDI	11.15	9.04	9.86	7.91	10.08	11.35
	% Change	-59%	-19%	9%	-20%	27%	13%
Company	SAIDI	15.65	11.15	8.69	6.81	10.69	12.58
	% Change	-35%	-29%	-22%	-22%	57%	18%

Cause	Unknown						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIFI	0.208	0.079	0.14	0.087	0.146	0.115
	% Change	-41%	-62%	77%	-38%	68%	-21%
Eastern	SAIFI	0.119	0.16	0.063	0.066	0.128	0.206
	% Change	-34%	34%	-61%	6%	94%	61%
Western	SAIFI	0.129	0.107	0.154	0.14	0.146	0.141
	% Change	-62%	-17%	44%	-9%	4%	-3%
Company	SAIFI	0.147	0.114	0.127	0.107	0.141	0.151
	% Change	-51%	-23%	12%	-15%	32%	7%

Cause	Vehicle					· · · · · · · · ·	
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIDI	6.54	6.27	20.85	10.65	8.55	7.99
	% Change	-47%	-4%	233%	-49%	-20%	-7%
Eastern	SAIDI	8.36	5.63	18.26	25.97	8.96	13.88
	% Change	41%	-33%	224%	42%	-66%	55%
Western	SAIDI	15.43	22.28	19.9	16.4	23.91	10.4
	% Change	-19%	44%	-11%	-18%	46%	-57%
Company	SAIDI	11.36	13.91	19.72	17.4	16.14	10.67
	% Change	-19%	22%	42%	-12%	-7%	-34%

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Cause	Vehicle						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIFI	0.067	0.049	0.147	0.066	0.069	0.074
	% Change	9%	-26%	197%	-55%	5%	7%
Eastern	SAIFI	0.072	0.084	0.056	0.174	0.141	0.236
	% Change	50%	17%	-34%	213%	-19%	67%
Western	SAIFI	0.093	0.147	0.236	0.137	0.167	0.102
	% Change	-43%	58%	60%	-42%	22%	-39%
Company	SAIFI	0.081	0.106	0.167	0.129	0.135	0.13
	% Change	-25%	31%	57%	-23%	5%	-4%

Cause	Overioad						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIDI	1.81	3.56	3.28	4.36	2.23	3.42
	% Change	-59%	96%	-8%	33%	-49%	53%
Eastern	SAIDI	1.51	2.82	4.69	3.61	14.04	0.75
	% Change	-66%	87%	66%	-23%	289%	-95%
Western	SAIDI	4.49	3.42	2.65	3.62	17.06	2.15
	% Change	60%	-24%	-22%	37%	371%	-87%
Company	SAIDI	3.05	3.3	3.34	3.81	12.49	2.12
	% Change	-16%	8%	1%	14%	228%	-83%

Cause	Overload						
Region	Data	2006	2007	2008	2009	2010	201 <b>1</b>
Central	SAIFI	0.025	0.066	0.025	0.048	0.031	0.041
	% Change	-56%	160%	-62%	92%	-35%	32%
Eastern	SAIFI	0.015	0.04	0.078	0.045	0.181	0.01
	% Change	-47%	159%	97%	-42%	302%	-94%
Western	SAIFI	0.045	0.042	0.031	0.037	0.149	0.022
	% Change	26%	-7%	-25%	19%	303%	-85%
Company	SAIFI	0.033	0.048	0.042	0.042	0.127	0.024
	% Change	-18%	46%	-12%	1%	202%	-81%

Cause	Contamination/Corrosion			· · · · · · · · · · · · · · · · · · ·			
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIDI	1.61	1.3	0.55	1.19	5.02	3.22
	% Change	460%	-19%	-58%	118%	322%	-36%
Eastern	SAIDI	3.85	0.72	7.92	3.5	2.065	.76
	% Change	2008%	-81%	1002%	-56%	-41%	-63%
Western	SAIDI	0.53	1.96	1.44	0.59	0.93	0.42
	% Change	218%	268%	-26%	-59%	58%	-55%
Company	SAIDI	1.64	1.47	2.88	1.49	2.26	1.23
	% Change	711%	-10%	96%	-48%	52%	-46%

Cause	Contamination/Corrosion						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIFI	0.033	0.012	0.005	0.006	0.061	0.029
	% Change	1225%	-64%	-57%	24%	917%	-52%
Eastern	SAIFI	0.034	0.006	0.025	0.059	0.035	0.004
	% Change	2416%	-83%	334%	136%	93%	-89%
Western	SAIFI	0.004	0.017	0.014	0.014	0.007	0.004
	% Change	416%	336%	-18%	4%	50%	-43%
Company	SAIFI	0.019	0.013	0.014	0.024	.028	0.01
	% Change	1307%	-33%	14%	65%	17%	-64%

Cause	Other						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIDI	1.85	0.49	2.55	0.53	13.01	2.6
	% Change	44%	-73%	416%	-79%	2355%	-80%
Eastern	SAIDI	4.19	2.73	0.91	2.22	18.57	2.21
	% Change	2830%	-35%	-66%	143%	736%	-88%
Western	SAIDI	2.5	3.96	1.49	5.34	4.79	11.19
	% Change	366%	59%	-62%	259%	-10%	134%
Company	SAIDI	2.75	2.75	1.61	3.3	10.43	6.67
	% Change	336%	0%	-42%	105%	216%	-36%

Cause	Other						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIFI	0.029	0.026	0.052	0.014	0.297	0.084
	% Change	-42%	-12%	103%	-74%	2021%	-72%
Eastern	SAIFI	0.023	0.064	0.027	0.032	0.384	0.043
	% Change	1060%	182%	-57%	17%	1100%	-89%
Western	SAIFI	0.028	0.041	0.023	0.112	0.245	0.164
	% Change	351%	48%	-43%	377%	119%	-33%
Company	SAIFI	0.027	0.043	0.032	0.066	0.294	0.112
	% Change	63%	60%	-26%	108%	345%	-62%

Cause	Vines						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIDI	0.1	0.08	0.27	0.19	0.0945	0.24
	% Change	86%	-25%	243%	-28%	-50%	154%
Eastern	SAIDI	1.51	0.06	0.3	0.35	0.088	0.35
	% Change	515%	-96%	365%	18%	-75%	298%
Western	SAIDI	0.17	0.17	0.17	0.51	0.419	0.44
	% Change	-23%	-3%	2%	196%	-18%	5%
Company	SAIDI	0.49	0.12	0.23	0.39	0.25	0.36
	% Change	161%	-76%	93%	70%	-36%	44%

Cause	Vines						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIFI	0.001	0.001	0.004	0.002	0.001	0.003
	% Change	86%	-30%	394%	-48%	-50%	200%
Eastern	SAIFI	0.004	0.001	0.003	0.002	0.001	0.005
	% Change	415%	-83%	242%	-12%	-50%	400%
Western	SAIFI	0.002	0.002	0.001	0.015	0.002	0.002
	% Change	11%	-28%	-22%	1005%	-87%	0%
Company	SAIFI	0.003	0.001	0.002	0.008	0.002	0.003
	% Change	78%	-52%	86%	263%	-75%	50%

#### 15.9.1.2 Identification and Selection/Process Improvements

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

#### 15.9.1.3 2011 Activities and Budget Allowances

In general, it is not practical to provide an itemized list of all activities that Gulf has included in its budget that are related to distribution reliability. Gulf's budget and accounting systems do not separately categorize and track capital expenditures or 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

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#### 15.9.2.1 Five-Year Patterns

Gulf had two feeders in the Actual report, and two feeders in the adjusted report which were listed in last year's report.

The initial review of the reports showed that in all cases, the associated feeder problems were corrected at the same time of the outage. Additional reviews of the feeders will be conducted to determine if there are any specific improvements that can be performed to avoid having these feeders becoming repeats.

#### 15.9.2.2 Identification and Selection/Process Improvements

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

### 15.9.2.3 2011 Activities and Budget Allowances

Please see the response to Section 15.9.1.3 for 2011 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 process improvement efforts on the system wide top ten outage causes through its existing programs and the new storm hardening efforts.

### 15.9.3.3 2011Activities and Budget Allowances

Please see the response to 15.9.1.3 for 2011 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	2006	2007	2008	2009	2010	2011
Central	N-	2,112	2,224	2,498	2,672	2,207	2,097
	% Change	4%	<u> </u>	12%	7%	-17%	-5%
Eastern	N-	2,080	1,727	1,914	1,739	1,667	1,521
	% Change	40%	-17%	11%	-9%	-4%	-9%
Western	N-	4,597	4,963	5,964	5,840	5,412	5,019
	% Change	-4%	8%	20%	-2%	-7%	-7%
Company	N-	8,789	8,914	10,376	10,251	9,288	8,637
	% Change	5%	<u>1%</u>	16%	-1%	-9%	-7%

System	Underground						
Region	Data	2006	2007	2008	2009	2010	2011
Central	Ν	292	343	321	312	288	274
	% Change	-12%	17%	-6%	-3%	-8%	-5%
Eastern	N	193	190	219	225	244	232
	% Change	-18%	-2%	15%	3%	8%	-5%
Western	N	602	503	517	454	517	446
	% Change	-19%	-16%	3%	-12%	14%	-14%
Company	N	1,087	1,036	1,057	991	1049	952
	% Change	-17%	-5%	2%	-6%	6%	-9%

System	Overhead						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIDI	161.46	85.85	85.87	92.25	107.84	81.89
	% Change	48%	-47%	0%	7%	17%	-24%
Eastern	SAIDI	319.65	92.62	132.47	121.9	121.73	97.16
	% Change	360%	-71%	43%	-8%	-0.10%	-20%
Western	SAIDI	145.43	136.5	136.55	148.13	157.26	115.31
	% Change	24%	-6%	0%	8%	6%	-27%
Company	SAIDI	192.96	112.27	122.57	127.1	135.49	102.05
	% Change	87%	-42%	9%	4%	7%	-25%

System	Underground						
Region	Data	2006	2007	2008	200 <del>9</del>	2010	2011
Central	SAIDI	12.67	23.5	13.06	14.38	7.45	8.02
	% Change	5%	85%	-44%	10%	-48%	8%
Eastern	SAIDI	11.73	7.82	7.76	18.18	11.67	13.13
	% Change	26%	-33%	-1%	134%	-36%	13%
Western	SAIDI	12.13	9.22	9.34	9.34	10.76	8.18
	% Change	-1%	-24%	1%	0%	15%	-24%
Company	SAIDI	12.17	12.53	9.88	12.91	10.15	9.41
	% Change	6%	3%	-21%	31%	-21%	-7%

System	Overhead						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIFI	1.216	0.865	1.018	0.999	1.522	1.036
	% Change	-4%	-29%	18%	-2%	52%	-32%
Eastern	SAIFI	1.235	1.07	1.089	1.135	1.573	1.241
	% Change	84%	-13%	2%	4%	39%	-21%
Western	SAIFI	1.203	1.272	1.406	1.542	1.814	1.256
	% Change	2%	6%	11%	10%	18%	-31%
Company	SAIFI	1.214	1.116	1.225	1.298	1.677	1.195
	% Change	13%	-8%	10%	6%	29%	-29%

System	Underground						
Region	Data	2006	2007	2008	2009	2010	2011
Central	SAIFI	0.06	0.087	0.124	0.082	0.055	0.050
	% Change	-32%	44%	42%	-34%	-33%	-9%
Eastern	SAIFI	0.053	0.051	0.038	0.066	0.603	0.068
	% Change	27%	-4%	-25%	71%	814%	-89%
Western	SAIFI	0.071	0.051	0.043	0.047	0.068	0.045
	% Change	13%	-29%	-15%	9%	45%	-34%
Company	SAIFI	0.064	0.06	0.062	0.061	0.064	0.052
	% Change	-1%	-6%	4%	-3%	5%	-19%

### 15.10.2 Identification and Selection/Process Improvements

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

#### 15.10.3 2011 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 reliability metrics for Gulf's overhead and underground system for 2011.

SYSTEM	REGION	Miles	Customers	N.	Duration	CMI	CIDE A
	CENTRAL	1,162	59,784	2,097	198,062	9,103,168	115,164
Overhead	EASTERN	1,550	61,084	1,521	163,506	10,802,431	137,941
Overhead	WESTERN	3,187	132,109	5,019	585,438	24,236,302	263,948
	SYSTEM	5,899	252,977	8,637	947,006	44,141,901	517,053
	CENTRAL	428	49,478	274	45,983	891,308	5,523
· · · · · · · · · · · · · · · · · · ·	EASTERN	448	47,602	232	43,233	1,459,243	7,563
Underground	WESTERN	935	72,059	446	88,106	1,720,009	9,427
	SYSTEM	1,811	169,139	952	177,322	4,070,560	22,513

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

				SAIDI /	S. S. Hickory		
SYSTEM	BEGION	SAID	SAIFIE	mile	<b>U-Bar</b>	CI/N	CAIDIN
	CENTRAL	152.27	1.926	0.13	94.45	54.92	79.05
Overhead	EASTERN	176.85	2.258	0.11	107.50	90.69	78.31
Overneau	WESTERN	183.46	1.998	0.06	116.64	52.59	91.82
	SYSTEM	174.49	2.004	0.03	109.65	59.86	85.37
	CENTRAL	18.01	0.112	0.04	167.82	20.16	161.38
Underground	EASTERN	30.66	0.159	0.07	186.35	32.60	192.95
Underground	WESTERN	23.87	0.131	0.03	197.55	21.14	182.46
	SYSTEM	24.07	0.133	0.01	186.26	23.65	180.81

Note: The above metrics are for 2010.

A review of the above data continues to reinforce observations made in Gulf's March 1, 2011 report.

There are several difficulties with comparing overhead outage statistics and underground outage statistics. The first is trying to ensure a true "apples to apples" comparison. This is very difficult to do given that historically the construction standard for Gulf's system has been overhead and as a result is approximately three times that of Gulf's underground system. The main difficulty is that the comparison suffers from problems of scale. The growth of Gulf's underground system is driven by customer demand based on aesthetic reasons. This results in the construction of underground subdivisions, commercial developments and conversion of overhead lines that are spread across Gulf's distribution system, in neighborhoods and near businesses. Over time the effect of this growth pattern on the distribution system results in the development of an overhead backbone serving "pockets" of underground distribution facilities. A review of the data in the tables above continues to bring out the same important points.

First, Gulf has less than one-fourth of its system installed as underground. This means that overhead is over three times as exposed to outage-causing events and hence should experience more outages than underground, which it does. The result of dividing the SAIDI by miles of OH or by miles of UG indicates that both overhead and underground are comparable when you compare their SAIDI on a per mile basis as shown in the bottom chart.

Second, comparing the L-Bar of overhead and underground shows that underground outages last nearly twice as long as overhead outages. This continues to support the long held assertion that underground outages require more time to locate the problem and restore power than overhead outages.

Third, comparing the calculation of CI/N for overhead and underground which gives the average number of customers affected by an outage indicates that underground outages typically affect fewer customers than an overhead outage, in fact, about half as many. This supports the observation of an overhead backbone serving "pockets" of underground. Thus the data available to Gulf for underground outages, at this time, continues to be limited to mostly small-scale outages, whereas Gulf's overhead outage data includes both small-scale and large-scale outages.

Fourth, comparing the CAIDI calculation for overhead and underground shows underground has a CAIDI value that is 2 times that of overhead's, which continues to be consistent with Gulf's previous observations that underground outages have longer durations and fewer customers affected.

As discussed in last year's Reliability Report, the problem of scale is raised in attempting to answer the question, "Would Gulf Power be more or less reliable if their entire system was underground?" Gulf's underground is currently located in isolated "pockets" served from an overhead backbone. This limits Gulf's underground outage data to mostly small-scale outages, which, in turn, limits the number of customers that can be affected by any single underground outage. This places an upper limit on underground's SAIDI. If that limitation were to be removed by creating a system with an underground backbone, the analysis of L-Bar and CAIDI predicts that Gulf's reliability could degrade significantly simply due to the extended duration of each outage that occurs. In addition, Gulf's experience after major storms has shown that there is a higher failure rate for underground facilities that may have been subjected to high water due to a major storm. In summary, without taking into consideration the recognized high cost of underground, continued analysis of available overhead and underground metrics at this time does not support using underground as a storm hardening option. It will be re-evaluated each year, as more data is accumulated, and technology evolves.

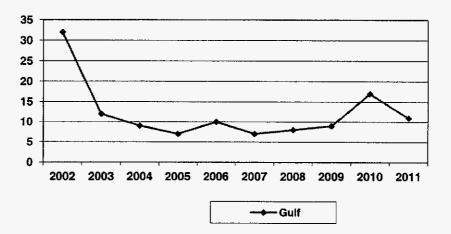
Gulf's installation of underground distribution facilities continues to outpace overhead due to customer demand based on aesthetic reasons.

### 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.

The graph below, based on the FPSC Consumer Activity Report, is provided to illustrate Gulf Power's customer complaint trend. The numbers include Service and Billing. Gulf's logged complaints for 2011 decreased to 11.



#### **Customer Complaint History**

### 15.11.2 Correlation of Reliability Related Customer Complaints to Indices

Gulf Power has not determined a correlation of reliability related customer complaints to indices. Management continues to review complaints as they occur to determine if there are any deficiencies and if so, takes action to correct them.

### 15.11.3 Identification and Selection/Process Improvements

Due to Gulf's very low 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 complaints as they occur to determine if there are any deficiencies and will take the needed action to correct them.

# Form 102 - Actual Data

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2011 Distribution Service Reliability Reports - Actual

Service Reliability Indices – Actual Gulf Power Company												
District or Service Area (a)	Service Area SAIDI CAIDI SAIFI MAIFIE CEMI5											
Central	146.36	96.51	1.517	7.48	3.12%							
Eastern	194.87	102.81	1.895	4.64	6.77%							
Western	Western 195.36 96.70 2.020 6.67 4.50%											
System Averages	182.64	98.26	1.859	6.36	4.73%							

### 2011 Distribution Service Reliability Reports - Actual

	CENTR	AL	EASTE	RN	WESTE	RN	SYSTE	EM
SAIDI = System Average Interruption Duration Index								
Total Number of Customer Minutes of Interruption (CMI) Total Number of Customers Served (C)	<u>16,270,133</u> 111,168	146.36	21,665,179 111,180	194.87	41,061,716 210,188	195.36	78,997,028 432,536	182.64
CAIDI = Customer Average Interruption Duration Index								
Total Number of Customer Minutes of Interruption (CMI) Total Number of Customer Interruptions (CI)	16,270,133 168,590	96.51	21,665,179 210,730	102.81	41,061,716 424,616	96.70	78,997,028 803,936	98.26
SAIFI = System Average Interruption Frequency Index								
Total Number of Customer Interruptions (CI) Total Number of Customers Served (C)	<u>168,590</u> 111,168	1.517	210,730 111,180	1.895	424,616 210,188	2.020	803,936 432,536	1.859
$MAIFI_e = Momentary Average Interruption Frequency Index$								
Total Number of Customer Momentary Interruption Events (CME) Total Number of Customers Served (C)	831,922 111,168	7.48	<u>515,474</u> 111,180	4.64	1,402,452 210,188	6.67	2,749,848 432,536	6.36
CEMI5 = Customers Experiencing More Interruptions than 5								
Number of Customers Experiencing More Interruptions than 5 Total Number of Customers Served (C)	<u>3,467</u> 111,168	3.12%	7,525 111,180	6.77%	9,452 210,188	4.50%	20,444 432,536	4.73%
L-Bar								
Minutes of Interruption Total Number of Outages							1,882,402 13,467	139.78

2011 Distribution Services Reliability Reports - Actual

C	Causes of Outage Eve	nts - Actual	
	Gulf Power Com	pany	
Cause (a)	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
Animal	3,024	72.65	60.08
Planned Outage	2,503	102.93	48.71
Deterioration	1,988	158.65	98.84
Lightning	1,809	176.72	140.10
Tree	1,721	231.91	155.86
Unknown	750	103.33	86.84
Wind/Rain	350	346.82	204.40
Vehicle	249	180.30	82.41
Other	239	114.67	66.97
Vines	203	121.41	120.78
All Others	631	118.92	50.93
System Totals	13,467	139.78	98.26

2011 Distribution Service Reliability Reports - Actual

				3 Perce	nt Feede	er List -	Actual						
Utility Nar	ne: Gulf Powe	r Company	Year:	2011									
	Number of Customers												
Primary Circuit Id. No. or Name (a)	Sub-station Origin (b)	Location (c)	Residential (d)	Commercial (e)	Industrial (f)	Other (g)	Total (h)	Outa ge Even ts "N" (i)	Avg Duration "L-Bar" (j)	CAIDI (k)	Listed Last Year? (I)	No. of Years in the Last 5 (m)	Corrective Action Completion Date (n)
9592	Sunnyhills	EASTERN	966	90			1,056	12	203.18	17	Y	1	December 2012
9092	Appalachee	EASTERN	3	5	1		9	6	2,228.85	371	N	1	December 2012
6612	Goulding	WESTERN	1,111	101			1,212	5	648	145	N		December 2012
8572	Parker	EASTERN	2,296	270			2,566	5	96.78	19	N		December 2012
8602	Highland City	EASTERN	2,578	104			2,682	5	216.1	62	Y	1	December 2012
9522	Vernon	EASTERN	1,364	228	2		1,594	5	70.17	15	N	2	December 2012
6792	Pine Forest	Western	2,183	178			2,361	4	51	12	N		December 2012
9828	Laurel Hill	CENTRAL	163	42			205	4	339.88	101	N	1	December 2012
7702	Bayou Marcus	WESTERN	1,394	76			1,470	4	97.2	65	N		December 2012

# Form 103 - Adjusted Data

2011 Distribution Service Reliability Reports - Adjusted

Service Reliability Indices - Adjusted Gulf Power Company									
District or Service Area SAIDI CAIDI SAIFI MAIFle CEMI5 (a) (b) (c) (d) (e) (f)									
CENTRAL	89.90	82.81	1.086	6.39	0.91%				
EASTERN	110.29	84.27	1.309	4.42	2.45%				
WESTERN	123.49	94.95	1.301	5.60	2.08%				
System	111.46	89.35	1.247	5.50	1.87%				

### 2011 Distribution Service Reliability Reports - Adjusted

Total Number of Customer Interruptions (CI)120,687145,504273,375539,566SAIFI = System Average Interruption Frequency Index120,6871.086145,5041.309273,3751.301539,5661.2Total Number of Customer Interruptions (CI)120,6871.086145,5041.309273,3751.301539,5661.2MAIFIe = Momentary Average Interruption Frequency Index111,1681.086145,5041.309273,3751.301539,5661.2MAIFIe = Momentary Average Interruption Frequency Index710,0406.39491,5914.421,176,3485.602,377,9795.4Total Number of Customers Served (C)111,168710,0406.39491,5914.421,176,3485.602,377,9795.4CEMI5 = Customers Experiencing More Interruptions than 5111,168111,180111,180111,180111,180111,180111,180		CENTR	AL	EASTE	RN	WESTE	RN	SYSTE	EM
Total Number of Customers Served (C)       111,168       111,168       111,180       210,188       432,536         CAIDI = Customer Average Interruption Duration Index       9,994,476       82.81       12,261,674       84.27       25,956,311       94.95       48,212,460       89.         Total Number of Customer Interruptions (CI)       120,687       120,687       145,504       1.309       273,375       1.301       539,566       1.2         Total Number of Customer Interruptions (CI)       120,687       1.086       145,504       1.309       273,375       1.301       539,566       1.2         Total Number of Customer Interruptions (CI)       120,687       1.086       145,504       1.309       273,375       1.301       539,566       1.2         Total Number of Customers Served (C)       111,168       1.086       145,504       1.309       273,375       1.301       539,566       1.2         MAIFIe = Momentary Average Interruption Frequency Index       111,168       1.11,180       4.42       1,176,348       5.60       2,377,979       5.1         Total Number of Customers Momentary Interruption Events (CME)       710,040       6.39       491,591       4.42       1,176,348       5.60       2,377,979       5.1         CEMI5 = Customers Experiencing More I	SAIDI = System Average Interruption Duration Index								
Total Number of Customers Served (C)       111,168       111,168       111,180       210,188       432,536         CAIDI = Customer Average Interruption Duration Index       9,994,476       82.81       12,261,674       84.27       25,956,311       94.95       48,212,460       89.         Total Number of Customer Interruptions (CI)       120,687       120,687       145,504       1.309       273,375       1.301       539,566       1.2         Total Number of Customer Interruptions (CI)       120,687       1.086       145,504       1.309       273,375       1.301       539,566       1.2         Total Number of Customer Interruptions (CI)       120,687       1.086       145,504       1.309       273,375       1.301       539,566       1.2         Total Number of Customers Served (C)       111,168       1.086       145,504       1.309       273,375       1.301       539,566       1.2         MAIFIe = Momentary Average Interruption Frequency Index       111,168       1.11,180       4.42       1,176,348       5.60       2,377,979       5.1         Total Number of Customers Momentary Interruption Events (CME)       710,040       6.39       491,591       4.42       1,176,348       5.60       2,377,979       5.1         CEMI5 = Customers Experiencing More I									
CAIDI = Customer Average Interruption Duration Index9,994,476 120,68782.8112,261,674 145,50484.2725,956,311 273,37594.9548,212,460 339,56689.SAIFI = System Average Interruption Frequency Index120,687 111,1681.086145,5041.309 210,188273,3751.301 239,566539,5661.2 339,566MAIFI_e = Momentary Average Interruption Frequency Index111,1681.086145,504 111,1801.309 210,188273,375 210,1881.301 432,536539,566 432,5361.2 339,566MAIFI_e = Momentary Average Interruption Frequency Index710,040 111,1686.33 111,1804.42 210,1881,176,348 210,1885.60 2,377,9795.3 332,536CEMIS = Customers Experiencing More Interruptions than 5 Total Number of Customers Served (C)111,168.91% 111,1802,727 111,1802.45% 2,10,1888,104 432,5361.83 432,536			89.90		110.29		123.49		111.46
Total Number of Customer Minutes of Interruption (CMI) $9,994,476$ 120,687 $82.81$ $12,261,674$ 145,504 $84.27$ $25,956,311$ 273,375 $94.95$ $48,212,460$ 539,566 $89.81$ SAIFI = System Average Interruptions (CI) $120,687$ 1008 $1.086$ $145,504$ 111,168 $1.309$ 210,188 $273,375$ 210,188 $94.95$ $48,212,460$ 339,566 $89.81$ 339,566MAIFI_e = Momentary Average Interruption Frequency Index $120,687$ 111,168 $1.086$ 111,168 $145,504$ 111,180 $1.309$ 210,188 $273,375$ 210,188 $1.301$ 432,536 $539,566$ 432,536 $1.2$ 432,536MaiFi_e = Momentary Average Interruption Frequency Index $710,040$ 111,168 $6.39$ 111,180 $4.42$ 111,180 $1.176,348$ 210,188 $5.60$ 432,536 $2,377,979$ 432,536 $5.4$ 432,536Mumber of Customer Momentary Interruption Events (CME) Total Number of Customers Served (C) $710,040$ 111,168 $6.39$ 491,591 111,180 $4.42$ 210,188 $1.176,348$ 210,188 $5.60$ 2,377,979 2.35 $2,377,979$ 2.45% $5.4$ 4,369 210,188 $2.08\%$ 432,536 $8.104$ 432,536 $1.87$ 111,180	Total Number of Customers Served (C)	111,108		111,180		210,188		432,535	
Total Number of Customer Interruptions (CI)       120,687       145,504       273,375       539,566         SAIFI = System Average Interruption Frequency Index       120,687       1.086       145,504       1.309       273,375       1.301       539,566       1.2         Total Number of Customer Interruptions (CI)       120,687       1.086       145,504       1.309       273,375       1.301       539,566       1.2         Total Number of Customers Served (C)       111,168       111,168       1111,180       1.309       273,375       1.301       539,566       1.2         MAIFI <sub>e</sub> = Momentary Average Interruption Frequency Index       111,168       111,180       4.42       1,176,348       5.60       2,377,979       5.1         Total Number of Customers Momentary Interruption Events (CME)       710,040       6.39       491,591       4.42       1,176,348       5.60       2,377,979       5.1         Total Number of Customers Experiencing More Interruptions than 5       1,008       .91%       2,727       2.45%       4,369       2.08%       8,104       1.81         Number of Customers Served (C)       111,168       .91%       2,727       2.45%       4,369       2.08%       8,104       1.81	CAIDI = Customer Average Interruption Duration Index				i			-	
Total Number of Customer Interruptions (CI)       120,687       145,504       273,375       539,566         SAIFI = System Average Interruption Frequency Index       120,687       1.086       145,504       1.309       273,375       1.301       539,566       1.2         Total Number of Customer Interruptions (CI)       120,687       1.086       145,504       1.309       273,375       1.301       539,566       1.2         Total Number of Customers Served (C)       111,168       111,180       1.309       273,375       1.301       539,566       1.2         MAIFI <sub>e</sub> = Momentary Average Interruption Frequency Index       111,168       111,180       1.42       1,176,348       5.60       2,377,979       5.4         Total Number of Customers Served (C)       111,168       111,168       4.42       1,176,348       5.60       2,377,979       5.4         CEMI5 = Customers Experiencing More Interruptions than 5       1,008       .91%       2,727       2.45%       4,369       2.08%       8,104       1.83         Number of Customers Served (C)       111,168       .91%       2,727       2.45%       4,369       2.08%       8,104       1.83	Total Number of Customer Minutes of Interruption (CMI)	9,994,476	82.81	12,261,674	84.27	25,956,311	94.95	48,212,460	89.35
Total Number of Customer Interruptions (Cl)       120,687       1.086       145,504       1.309       273,375       1.301       539,566       1.2         Total Number of Customers Served (C)       111,168       111,168       1.309       273,375       1.301       539,566       1.2         MAIFIe = Momentary Average Interruption Frequency Index       111,168       111,180       1.42       1,176,348       5.60       2,377,979       5.4         Total Number of Customers Served (C)       111,168       111,168       4.42       1,176,348       5.60       2,377,979       5.4         CEMI5 = Customers Experiencing More Interruptions than 5       1,008       .91%       2,727       2.45%       4,369       2.08%       8,104       1.8         Number of Customers Served (C)       111,168       .91%       2,727       2.45%       4,369       2.08%       8,104       1.8									
Total Number of Customers Served (C)111,168111,168111,180210,188432,536MAIFIe = Momentary Average Interruption Frequency Index111,168111,180210,188432,536Total Number of Customer Momentary Interruption Events (CME)710,0406.39491,5914.421,176,3485.602,377,9795.1Total Number of Customers Served (C)111,168111,16891%2,7272.45%4,3692.08%8,1041.81Number of Customers Experiencing More Interruptions than 51,008.91%2,7272.45%4,3692.08%8,1041.81Total Number of Customers Served (C)111,168.91%2,7272.45%4,3692.08%8,1041.81	SAIFI = System Average Interruption Frequency Index								
Total Number of Customers Served (C)111,168111,180210,188432,536MAIFIe = Momentary Average Interruption Frequency Index111,168111,180210,188432,536Total Number of Customer Momentary Interruption Events (CME)710,0406.39491,5914.421,176,3485.602,377,9795.1Total Number of Customers Served (C)111,168111,16891%2,7272.45%4,3692.08%8,1041.81Number of Customers Experiencing More Interruptions than 51,008.91%2,7272.45%4,3692.08%8,1041.81Total Number of Customers Served (C)111,168.91%2,7272.45%4,3692.08%8,1041.81	Total Number of Customer Interruptions (CI)	120.687	1.086	145.504	1.309	273.375	1.301	539.566	1.247
Total Number of Customer Momentary Interruption Events (CME) $710,040$ 111,168 $6.39$ $491,591$ 111,180 $4.42$ $1,176,348$ 210,188 $5.60$ $2,377,979$ 432,536 $5.60$ CEMI5 = Customers Experiencing More Interruptions than 5 $1,008$ $.91\%$ $2,727$ 111,180 $2.45\%$ $4,369$ 210,188 $2.08\%$ $8,104$ 432,536 $1.87$ 432,536Number of Customers Experiencing More Interruptions than 5 $1,008$ 111,168 $.91\%$ $2,727$ 111,180 $2.45\%$ $4,369$ 210,188 $2.08\%$ $8,104$ 432,536 $1.87$ 432,536									
Total Number of Customers Served (C)       111,168       111,180       210,188       432,536         CEMI5 = Customers Experiencing More Interruptions than 5       1,008       .91%       2,727       2.45%       4,369       2.08%       8,104       1.83         Number of Customers Experiencing More Interruptions than 5       1,008       .91%       2,727       2.45%       4,369       2.08%       8,104       1.83         Total Number of Customers Served (C)       111,168       111,180       210,188       432,536	MAIFI <sub>e</sub> = Momentary Average Interruption Frequency Index							F 	244 24 24 24 24 24 24 24 24 24 24 24 24
CEMI5 = Customers Experiencing More Interruptions than 5 $1,008$ $.91\%$ $2,727$ $2.45\%$ $4,369$ $2.08\%$ $8,104$ $1.87$ Number of Customers Experiencing More Interruptions than 5 $1,008$ $.91\%$ $2,727$ $2.45\%$ $4,369$ $2.08\%$ $8,104$ $1.87$ Total Number of Customers Served (C) $111,168$ $111,180$ $210,188$ $432,536$ $1.87$			6.39		4.42		5.60	2,377,979	5.50
Number of Customers Experiencing More Interruptions than 5         1,008         .91%         2,727         2.45%         4,369         2.08%         8,104         1.85           Total Number of Customers Served (C)         111,168         111,180         210,188         432,536         432,536	Total Number of Customers Served (C)	111,168		111,180		210,188		432,536	l
Total Number of Customers Served (C)         111,168         111,180         210,188         432,536	CEMI5 = Customers Experiencing More Interruptions than 5								
			.91%		2.45%		2.08%		1.87%
L-Bar	Total Number of Customers Served (C)	111,168		111,180		210,188		432,536	
	L-Bar								
Minutes of Interruption 1,124,329 117	Minutes of Interruption							1,124,329	117.25
Total Number of Outages 9,589	Total Number of Outages							9,589	

2011 Distribution	Service	Reliability	Reports -	Adjusted
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Causes of Outage Events - Adjusted									
	Gulf Power Com	bany							
Cause (a)	Number of Outage Events(N) (b)	Average Duration (L-Bar) (C)	Average Restoration Time (CAIDI) (d)						
Animal	3,013	72.29	59.96						
Deterioration	1,928	153.88	98.27						
Lightning	1,527	147.95	112.20						
Tree	1,174	137.73	107.88						
Unknown	691	95.99	83.41						
Vehicle	249	180.30	82.41						
, Other	222	103.00	59.54						
Vines	187	109.66	115.36						
Overload	162	96.92	88.63						
Contamination/Corrosion	151	118.47	121.10						
All Others	285	119.44	59.85						
Total	9,589	117.25	89.35						

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				3 Pe	ercent Fe	eeder	List - A	djusted	l				
Utility	Name: Gulf P	ower Compa	iny	Year: 201	1			<u></u>	<u> </u>				
			Number of Customers										
Primary Circuit Id. No. or Name (a)	Sub-station Origin (b)	Location (c)	Reside ntial (d)	Commercial (e)	Industrial (f)	Other (9)	Total (h)	Outage Events "N" (i)	Avg Duration "L-Bar" (j)	CAIDI (k)	Listed Last Year? (I)	No. of Years in the Last 5 (m)	Corrective Action Completion Date (n)
8572	Parker	EASTERN	2,296	270			2,566	5	19	19	N		December 2012
9092	Appalachee	EASTERN	3	5	1		9	5	289	289	N	1	December 2012
6612	Goulding	WESTERN	1,111	101			1,212	4	155	163	N		December 2012
8602	Highland City	EASTERN	2,578	104			2,682	4	45	72	Y	1	December 2012
5652	Turner	CENTRAL	1,356	139			1,495	3	26	30	Ν		December 2012
6792	Pine Forest	WESTERN	2,183	178			2,361	3	17	16	N	1	December 2012
6922	Cantonment	WESTERN	1,190	98	1		1,288	3	139	187	N		December 2012
9592	Sunnyhills	EASTERN	966	90			1,056	3	24	24	Y	1	December 2012
9828	Laurel Hill	CENTRAL	1,63	42			205	3	58	55	N		December 2012

# **Appendix 1** 2011 Distribution Service Reliability Reports - Adjusted

# **Appendix 1** 2011 Excluded Transmission Events Resulting in Customer Outages

Transmis	sion Outages	Transmissio	on Outage	63	1,961,068.14	4 85,772	2,526.26
	any one has a second of the second contrages per	<u>مى بەر مەرىپى مەرىپى بەر مەرىپى بەر مەرىپى بەر مەرىپى بەر مەرىپى بەر بەر مەرىپى بەر مەرىپى بەر مەرىپى بەر مەر</u>	na, papan international de la constitución de la constitución de la constitución de la constitución de la const	national state and each	ndarah libas balar a sasa la sis	ter en ader a staare sterraties maar en se maardaa aa aak t	ana karanan banya karanga karangan banan karangan karangan karangan karangan karangan karangan karangan karang Karang karang
Event Code	Date	Reason of Exclusion	CMI	CI	Duration	Causation	Resolution
828185	3/3/2011	Transmission	9,324	2,331	4	Contact	Supervisory
828186	3/3/2011	Transmission	2,790	1,395	2	Contact	Supervisory
828189	3/3/2011	Transmission	6,292	1,573	4	Contact	Supervisory
828191	3/3/2011	Transmission	7,884	1,971	4	Contact	Supervisory
828192	3/3/2011	Transmission	2,584	1,292	2	Contact	Supervisory
828204	3/3/2011	Transmission	2, <u>304</u> 8,908	2,227	4	Contact	Supervisory
828206	3/3/2011	Transmission	3,346	1,673	2	Contact	Supervisory
828208	3/3/2011	Transmission	<u> </u>	348	2	Contact	Supervisory
829185	3/14/2011	Transmission	3,194	1,597	2	Deterioration	
829185	3/14/2011	Transmission		<u> </u>	3	Deterioration	Supervisory
			3,180	1,060			Manual
829187	3/14/2011	Transmission	105,175	3,005	35	Deterioration	Supervisory
829189	3/14/2011	Transmission	6,996	2,332	3	Deterioration	Supervisory
829192	3/14/2011	Transmission	50,155	1,433	35	Deterioration	Manual
829198	3/14/2011	Transmission	98,346	2,658	37	Deterioration	Manual
829201	3/14/2011	Transmission	23,940	665	36	Deterioration	Manual
829202	3/14/2011	Transmission	16,835	481	35	Deterioration	Manual
829203	3/14/2011	Transmission	6,573	2,191	3	Deterioration	Supervisory
832974	4/5/2011	Transmission	141,181.9	187	754.98	Major Storm	Manual
838923	5/14/2011	Transmission	5,309	20	265.45	Failed Trim	Manual
840899	5/30/2011	Transmission	88,867.1	1,607	55.3	Down Wire	Manual
840934	5/30/2011	Transmission	58,708.67	1,061	55.33	Down Wire	Manual
848870	7/4/2011	Transmission	1,654.58	19	87.08	Alabama Transmission Outage Alabama	Alabama Transmissio Outage Alabama
848871	7/4/2011	Transmission	6,531.25	75	87.08	Transmission Outage	Transmissio Outage
849363	7/7/2011	Transmission	106,094	1,993	53.23	Animal	Manual
849364	7/7/2011	Transmission	128,409.8	2,367	54.25	Animal	Manual
850600	7/13/2011	Transmission	31,655.33	2,060	15.37	Failed Transformer	Supervisory
						Failed	
850607	7/13/2011	Transmission	38,943.67	2,470	15.77	Transformer	Supervisory
-	,					Failed	1
850687	7/13/2011	Transmission	13,275.6	888	14.95	Transformer	Supervisory
850769	7/13/2011	Transmission	8,657.97	1,058	8.18	Lightning	Supervisory
850771	7/13/2011	Transmission	14,768.1	1,614	9.15	Lightning	Supervisory
851025	7/14/2011	Transmission	5,876.5	805	7.3	Failed Switch	Manual

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# **Appendix 1** 2011 Excluded Transmission Events Resulting in Customer Outages

851050	7/14/2011	Transmission	2,614.87	643	4.07	Failed Switch	Manual
			1			Alabama	Alabama
						Transmission	Transmissio
853944	7/31/2011	Transmission	2,630.87	19	138.47	Outage	Outage
854832	8/4/2011	Transmission	1,630	1,630	1	Deterioration	Supervisory
854835	8/4/2011	Transmission	1,592	1,592	1	Deterioration	Supervisory
854836	8/4/2011	Transmission	1,505	1,505	1	Deterioration	Supervisory
854837	8/4/2011	Transmission	1,747	1,747	1	Deterioration	Supervisory
854838	8/4/2011	Transmission	2,276	2,276	1	Deterioration	Supervisory
854839	8/4/2011	Transmission	1	1	1	Deterioration	Supervisory
857546	8/18/2011	Transmission	2,8314.15	2,547	11.12	Animal	Supervisory
862085	9/5/2011	Transmission	1,32026	2,510	52.6	Major Storm	Manual
862138	9/5/2011	Transmission	112,180.1	2,403	46.68	Major Storm	Manual
862831	9/5/2011	Transmission	28,318.95	297	95.35	Major Storm	Manual
863011	9/5/2011	Transmission	17,082.57	179	95.43	Major Storm	Manual
865225	9/8/2011	Transmission	55,545.6	1,584	35.07	Deterioration	Manual
865266	9/8/2011	Transmission	68,635	1,961	35	Deterioration	Manual
868537	9/29/2011	Transmission	2,748.38	1,601	1.72	Planned	Supervisory
868560	9/29/2011	Transmission	1,774.23	1,054	1.68	Planned	Supervisory
868752	9/30/2011	Transmission	31,542.15	479	65.85	Deterioration	Manual
868753	9/30/2011	Transmission	260413.2	2,999	86.83	Deterioration	Manual
869470	10/5/2011	Transmission	1,738.65	603	2.88	Relay Operation	Manual
869472	10/5/2011	Transmission	1,886.87	682	2.77	Relay Operation	Manual
869785	9/5/2011	Transmission	150,980.5	1,567	96.35	Major Storm	Manual
870738	10/13/2011	Transmission	7,621.2	1,566	4.87	Human Error	Manual
870756	10/13/2011	Transmission	7,680.58	1,961	3.92	Human Error	Manual
872110	10/21/2011	Transmission	1,093	1,093	1	Switching Error	Supervisory
872121	10/21/2011	Transmission	2,025	2,025	1	Switching Error	Supervisory
872144	10/21/2011	Transmission	222	222	1	Switching Error	Supervisory
876083	11/18/2011	Transmission	1,540.25	1,515	1.02	Deterioration	Manual
876147	11/18/2011	Transmission	1	1	1	Deterioration	Manual
876197	11/19/2011	Transmission	21,242	645	32.93	Animal	Supervisory
876198	11/19/2011	Transmission	2,911.42	1,127	2.58	Animal	Supervisory
876199	11/19 <u>/</u> 2011	Transmission	3,397.3	1,282	2.65	Animal	Supervisory

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utage Event De	escription	Reason of Exclusion	О СМІ		CI	Duratio
Planned Out	age [	Planned Outage	2,503 3,860	0,248.6 79	9,244	257,637.4
Event Code	Date	Reason of Exclusion	CMI	Cl	Dura	tion
823698	1/3/2011	Planned Outage	227.00	1	22	7.00
823699	1/3/2011	Planned Outage	231.00	1	23	1.00
823731	1/3/2011	Planned Outage	294.00	3		8.00
823732	1/3/2011	Planned Outage	359.40	4	8	9.85
823779	1/4/2011	Planned Outage	272.00	2	13	6.00
823787	1/4/2011	Planned Outage	728.00	8	<u> </u>	01.00
823797	1/4/2011	Planned Outage	345.00	1		5.00
823811	1/4/2011	Planned Outage	292.00	4	7	3.00
823826	1/5/2011	Planned Outage	217.00	7	3	1.00
823856	1/5/2011	Planned Outage	162.60	1	16	52.60
823870	1/5/2011	Planned Outage	915.83	7	13	0.83
823924	1/6/2011	Planned Outage	141.00	1	14	1.00
823935	1/6/2011	Planned Outage	720.00	18	4	0.00
823943	1/6/2011	Planned Outage	193.67	2		6.83
824053	1/7/2011	Planned Outage	201.00	]	20	01.00
824057	1/7/2011	Planned Outage	45.00	5	. <u>-</u> .	9.00
824263	1/10/2011	Planned Outage	42.85	3		4.28
824284	1/10/2011	Planned Outage	50.50	6		8.42
824311	1/11/2011	Planned Outage	128.00	8	1	6.00
824363	1/12/2011	Planned Outage	1,364.40	9		51.60
824373	1/12/2011	Planned Outage	372.67	2		36.33
824374	1/12/2011	Planned Outage	186.38			36.38
824377	1/12/2011	Planned Outage	1,862.58	31	1	60.08
824387	1/12/2011	Planned Outage	117.50	2		8.75
824395	1/12/2011	Planned Outage	805.07	4		)1.27
824396	1/12/2011	Planned Outage	768.00	4		02.00
824505	1/13/2011	Planned Outage	583.70	6		7.28
824507	1/13/2011	Planned Outage	590.00	5		8.00
824772	1/18/2011	Planned Outage	137.00	1		37.00
824776	1/18/2011	Planned Outage	21.63	2		0.82
824828	1/18/2011	Planned Outage	33,990.00	2266		5.00
825019	1/19/2011	Planned Outage	4,246.00	2200		93.00
825025	1/19/2011	Planned Outage	608.65		· · · · · · · · · · · · · · · · · · ·	36.95
825034	1/19/2011	Planned Outage	1,127.00	7		51.00
825067	1/19/2011	Planned Outage	21,697.20	196	1	0.70

825107	1/20/2011	Planned Outage	567.00	3	189.00
825117	1/20/2011	Planned Outage	538.00	3	179.33
825124	1/21/2011	Planned Outage	486.00	3	162.00
825159	1/21/2011	Planned Outage	252.00	4	63.00
825227	1/23/2011	Planned Outage	6,699.40	86	77.90
825246	1/24/2011	Planned Outage	372.00	3	124.00
825251	1/24/2011	Planned Outage	1,881.00	11	171.00
825268	1/24/2011	Planned Outage	96.00	2	48.00
825269	1/24/2011	Planned Outage	1,390.00	10	139.00
825270	1/24/2011	Planned Outage	234.00	2	117.00
825271	1/24/2011	Planned Outage	280.00	4	70.00
825272	1/24/2011	Planned Outage	893.32	7	127.62
825283	1/24/2011	Planned Outage	651.60	6	108.60
825307	1/25/2011	Planned Outage	440.00	4	110.00
825311	1/25/2011	Planned Outage	680.00	4	170.00
825312	1/25/2011	Planned Outage	228.00	3	76.00
825313	1/25/2011	Planned Outage	1,020.00	5	204.00
825322	1/25/2011	Planned Outage	368.00	4	92.00
825326	1/25/2011	Planned Outage	363.42	7	51.92
825330	1/25/2011	Planned Outage	45.00	3	15.00
825337	1/25/2011	Planned Outage	1,106.67	4	276.67
825343	1/25/2011	Planned Outage	84.00	3	28.00
825361	1/26/2011	Planned Outage	388.43	2	194.22
825369	1/26/2011	Planned Outage	5,405.00	23	235.00
825370	1/26/2011	Planned Outage	3,369.33	19	177.33
825374	1/26/2011	Planned Outage	291.15	3	97.05
825379	1/26/2011	Planned Outage	238.00	2	119.00
825385	1/26/2011	Planned Outage	325.27	2	162.63
825418	1/26/2011	Planned Outage	210.00	6	35.00
825419	1/26/2011	Planned Outage	2,820.00	2820	1.00
825438	1/27/2011	Planned Outage	47.20	2	23.60
825448	1/27/2011	Planned Outage	1,140.00	19	60.00
825449	1/27/2011	Planned Outage	10,976.00	56	196.00
825508	1/28/2011	Planned Outage	306.90	9	34.10
825510	1/28/2011	Planned Outage	499.95	11	45.45
825516	1/28/2011	Planned Outage	17.97	1	17.97
825527	1/28/2011	Planned Outage	65.00	5	13.00
825645	1/31/2011	Planned Outage	8.10	2	4.05
825676	1/31/2011	Planned Outage	299.07	4	74.77
825696	2/1/2011	Planned Outage	1,205.25	9	133.92
825700	2/1/2011	Planned Outage	919.33	4	229.83

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825714	2/1/2011	Planned Outage	1,064.93	4	266.23
825956	2/1/2011	Planned Outage	339.43		339.43
825995	2/2/2011	Planned Outage	31.00	31	1.00
825993	2/2/2011	Planned Outage	1,569.00	3	523.00
826165	2/2/2011	Planned Outage	1,309.00	<u>_</u>	112.00
826174	2/2/2011	Planned Outage	3,696.00	16	231.00
826187	2/2/2011	Planned Outage	109.18		109.18
826193	2/2/2011	Planned Outage	170.00	2	85.00
826250	2/3/2011	Planned Outage	79.87		79.87
826254	2/3/2011	Planned Outage	64.85	1	64.85
826268	2/3/2011	Planned Outage	283.67	1	283.67
826270	2/3/2011	Planned Outage	344.17		
826303	2/3/2011	Planned Outage		1	344.17
826303	2/6/2011		1,280.00	20	64.00
		Planned Outage	45.57	l	45.57
826513	2/7/2011	Planned Outage	387.40	4	96.85
826558	2/8/2011 2/8/2011	Planned Outage	3,264.00	16	204.00
826559		Planned Outage	760.00	10	76.00
826565	2/8/2011	Planned Outage	402.00	6	67.00
826566	2/8/2011	Planned Outage	6,387.33	52	122.83
826577	2/8/2011	Planned Outage	141.87	2	70.93
826586	2/8/2011	Planned Outage	159.42	1	159.42
826592	2/8/2011	Planned Outage	4,043.00	13	311.00
826599	2/8/2011	Planned Outage	702.40	4	175.60
826607	2/8/2011	Planned Outage	413.00	7	59.00
826626	2/9/2011	Planned Outage	2,167.00	11	197.00
826627	2/9/2011	Planned Outage	2,347.67	10	234.77
826636	2/9/2011	Planned Outage	329.50	2	164.75
826655	2/9/2011	Planned Outage	432.00	3	144.00
826657	2/9/2011	Planned Outage	1,159.90	7	165.70
826662	2/9/2011	Planned Outage	33,384.00	234	142.67
826708	2/10/2011	Planned Outage	352.80	6	58.80
827049	2/11/2011	Planned Outage	108.00	3	36.00
827051	2/11/2011	Planned Outage	1,348.00	4	337.00
827055	2/11/2011	Planned Outage	134.62	1	134.62
827057	2/11/2011	Planned Outage	1,282.53	8	160.32
827058	2/11/2011	Planned Outage	134.87	1	134.87
827060	2/11/2011	Planned Outage	1,428.00	17	84.00
827080	2/11/2011	Planned Outage	2,257.00	37	61.00
827089	2/11/2011	Planned Outage	131.62	1	131.62
827135	2/12/2011	Planned Outage	45.00	1	45.00
827157	2/13/2011	Planned Outage	161.15	1	161.15

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827181	2/13/2011	Planned Outage	52.85	1	52.85
827184	2/13/2011	Planned Outage	132.33	1	132.33
827203	2/14/2011	Planned Outage	552.00	3	184.00
827205	2/14/2011	Planned Outage	135.13	1	135.13
827209	2/14/2011	Planned Outage	2,401.40	6	400.23
827211	2/14/2011	Planned Outage	320.00	5	64.00
827234	2/14/2011	Planned Outage	950.00	5	190.00
827255	2/14/2011	Planned Outage	96.00	1	96.00
827268	2/14/2011	Planned Outage	122.45	1	122.45
827308	2/15/2011	Planned Outage	3,310.37	47	70.43
827309	2/15/2011	Planned Outage	848.42	5	169.68
827323	2/15/2011	Planned Outage	187.10	6	31.18
827337	2/15/2011	Planned Outage	74.77	2	37.38
827338	2/15/2011	Planned Outage	380.00	2	190.00
827362	2/16/2011	Planned Outage	347.77	2	173.88
827383	2/16/2011	Planned Outage	416.00	15	27.73
827389	2/16/2011	Planned Outage	270.00	5	54.00
827411	2/17/2011	Planned Outage	458.17	5	91.63
827412	2/17/2011	Planned Outage	174.50	6	29.08
827413	2/17/2011	Planned Outage	2,108.00	10	210.80
827416	2/17/2011	Planned Outage	1,600.13	8	200.02
827418	2/17/2011	Planned Outage	1,152.00	8	144.00
827423	2/17/2011	Planned Outage	68.13	2	34.07
827432	2/17/2011	Planned Outage	1,688.00	8	211.00
827439	2/17/2011	Planned Outage	43.05	1	43.05
827459	2/17/2011	Planned Outage	50.95	1	50.95
827527	2/19/2011	Planned Outage	53.93	1	53.93
827562	2/21/2011	Planned Outage	490.95	1	490.95
827567	2/21/2011	Planned Outage	264.00	132	2.00
827573	2/21/2011	Planned Outage	46,184.00	1354	216.00
827574	2/21/2011	Planned Outage	40,158.00	194	207.00
827580	2/21/2011	Planned Outage	275.47	4	68.87
827594	2/21/2011	Planned Outage	704.60	4	176.15
827637	2/21/2011	Planned Outage	385.00	11	35.00
827656	2/22/2011	Planned Outage	708.00	3	236.00
827663	2/22/2011	Planned Outage	391.63	2	195.82
827664	2/22/2011	Planned Outage	1,371.53	7	195.93
827682	2/22/2011	Planned Outage	859.20	6	143.20
827686	2/22/2011	Planned Outage	2,805.00	11	255.00
827717	2/23/2011	Planned Outage	3,497.00	13	269.00
827723	2/23/2011	Planned Outage	128.37	1	128.37

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827724	2/23/2011	Planned Outage	110.00	1	110.00
827725	2/23/2011	Planned Outage	1,464.00	8	183.00
827729	2/23/2011	Planned Outage	169.55	1	169.55
827750	2/23/2011	Planned Outage	1,208.72	11	109.88
827757	2/23/2011	Planned Outage	471.47	13	36.27
827762	2/23/2011	Planned Outage	162.33	1	162.33
827791	2/23/2011	Planned Outage	130.43	13	10.03
827817	2/24/2011	Planned Outage	5,196.80	42	123.73
827843	2/23/2011	Planned Outage	4,725.00	175	27.00
827910	2/25/2011	Planned Outage	81.45	1	81.45
827928	2/26/2011	Planned Outage	153.75	1	153.75
827958	2/27/2011	Planned Outage	792.00	3	264.00
827988	2/28/2011	Planned Outage	188.00	4	47.00
827991	2/28/2011	Planned Outage	1,092.00	13	84.00
828048	3/1/2011	Planned Outage	52.20	2	26.10
828072	3/1/2011	Planned Outage	1,474.67	10	147.47
828107	3/2/2011	Planned Outage	1,220.27	4	305.07
828108	3/2/2011	Planned Outage	153.00	17	9.00
828110	3/2/2011	Planned Outage	525.02	17	30.88
828111	3/2/2011	Planned Outage	433.53	14	30.97
828113	3/2/2011	Planned Outage	271.10	2	135.55
828117	3/2/2011	Planned Outage	204.00	17	12.00
828119	3/2/2011	Planned Outage	2,327.87	17	136.93
828120	3/2/2011	Planned Outage	1,917.53	14	136.97
828128	3/2/2011	Planned Outage	66.48	1	66.48
828129	3/2/2011	Planned Outage	661.20	4	165.30
828136	3/2/2011	Planned Outage	440.00	20	22.00
828155	3/2/2011	Planned Outage	747.00	9	83.00
828165	3/3/2011	Planned Outage	386.67	4	96.67
828176	3/3/2011	Planned Outage	29,342.10	94	312.15
828371	3/6/2011	Planned Outage	11,802.00	843	14.00
828375	3/6/2011	Planned Outage	31,025.00	85	365.00
828376	3/6/2011	Planned Outage	8,328.00	24	347.00
828395	3/6/2011	Planned Outage	2,815.00	563	5.00
828396	3/6/2011	Planned Outage	1,686.00	843	2.00
828397	3/6/2011	Planned Outage	486.00	243	2.00
828409	3/6/2011	Planned Outage	585.47	8	73.18
828425	3/7/2011	Planned Outage	51.48	1	51.48
828428	3/7/2011	Planned Outage	918.00	9	102.00
828456	3/7/2011	Planned Outage	206.00	2	103.00
828510	3/8/2011	Planned Outage	112.23		112.23

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828511	3/8/2011	Planned Outage	810.00	27	30.00
828520	3/8/2011	Planned Outage	1,126.73	4	281.68
828524	3/8/2011	Planned Outage	1,120.73		14.70
828538	3/8/2011	Planned Outage	2,107.20	32	65.85
828546	3/8/2011	Planned Outage	1,507.50	10	150.75
828578	3/9/2011	Planned Outage	1,307.30	7	130.73
828604	3/9/2011	Planned Outage	129.03	3	4,43
828907	3/10/2011	Planned Outage	29.57	2	4.43
828910	3/10/2011	Planned Outage	876.00	12	
828924	3/10/2011	Planned Outage			73.00
828991	3/11/2011		2,231.40	36	61.98
828991	3/11/2011	Planned Outage	666.00	6	111.00
829000	······································	Planned Outage	11.40	4	2.85
829004	3/11/2011	Planned Outage	90.23	2	45.12
	3/12/2011	Planned Outage	897.00	13	69.00
829104	3/13/2011	Planned Outage	858.55	21	40.88
829109	3/13/2011	Planned Outage	410.00	10	41.00
829113	3/13/2011	Planned Outage	2,140.00	20	107.00
829151	3/14/2011	Planned Outage	3,074.07	26	118.23
829153	3/14/2011	Planned Outage	104.30	2	52.15
829165	3/14/2011	Planned Outage	278.27	4	69.57
829172	3/14/2011	Planned Outage	1,080.73	4	270.18
829173	3/14/2011	Planned Outage	51.02	1	51.02
829178	3/14/2011	Planned Outage	362.55	9	40.28
829180	3/14/2011	Planned Outage	52.00	I	52.00
829510	3/15/2011	Planned Outage	9,141.00	18	507.83
829515	3/15/2011	Planned Outage	1,320.47	4	330.12
829571	3/16/2011	Planned Outage	2,577.03	38	67.82
829581	3/16/2011	Planned Outage	531.60	2	265.80
829589	3/16/2011	Planned Outage	23.73	4	5.93
829590	3/16/2011	Planned Outage	22.20	3	7.40
829591	3/16/2011	Planned Outage	1,555.00	15	103.67
829596	3/16/2011	Planned Outage	727.25	5	145.45
829656	3/17/2011	Planned Outage	19.93	1	19.93
829682	3/18/2011	Planned Outage	5.25	1	5.25
829683	3/18/2011	Planned Outage	708.00	4	177.00
829795	3/21/2011	Planned Outage	500.00	4	125.00
829803	3/21/2011	Planned Outage	1,312.30	6	218.72
829809	3/21/2011	Planned Outage	465.50	6	77.58
829810	3/21/2011	Planned Outage	248.00	4	62.00
829815	3/21/2011	Planned Outage	45.00	3	15.00
829819	3/21/2011	Planned Outage	2,223.00	13	171.00

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829839	3/21/2011	Planned Outage	529.20	3	176.40
829840	3/21/2011	Planned Outage	26,000.00	1300	20.00
829879	3/22/2011	Planned Outage	470.00	2	235.00
829880	3/22/2011	Planned Outage	705.00	3	235.00
829882	3/22/2011	Planned Outage	2,675.33	10	267.53
829899	3/22/2011	Planned Outage	63.88	1	63.88
829903	3/22/2011	Planned Outage	190.00	5	38.00
829909	3/22/2011	Planned Outage	392.00	8	49.00
829916	3/22/2011	Planned Outage	6,776.00	44	154.00
829939	3/23/2011	Planned Outage	1,482.00	2	741.00
829946	3/23/2011	Planned Outage	105.52	1	105.52
830011	3/23/2011	Planned Outage	400.47	4	100.12
830510	3/23/2011	Planned Outage	148.00	4	37.00
830537	3/24/2011	Planned Outage	677.73	4	169.43
830541	3/24/2011	Planned Outage	173.28	1	173.28
830559	3/24/2011	Planned Outage	12,783.60	268	47.70
831041	3/25/2011	Planned Outage	217.37	2	108.68
831051	3/25/2011	Planned Outage	87.20	2	43.60
831312	3/28/2011	Planned Outage	792.00	9	88.00
831327	3/28/2011	Planned Outage	363.30	3	121.10
831332	3/28/2011	Planned Outage	19.23	1	19.23
831340	3/28/2011	Planned Outage	51.87	4	12.97
831343	3/28/2011	Planned Outage	60.78	1	60.78
831370	3/28/2011	Planned Outage	168.15	3	56.05
831398	3/28/2011	Planned Outage	1,378.40	8	172.30
831401	3/28/2011	Planned Outage	179.75	3	59.92
831511	3/29/2011	Planned Outage	68.97	1	68.97
831512	3/29/2011	Planned Outage	248.00	1	248.00
831514	3/29/2011	Planned Outage	729.00	3	243.00
831517	3/29/2011	Planned Outage	2,615.48	23	113,72
831529	3/29/2011	Planned Outage	253.75	3	84.58
831538	3/29/2011	Planned Outage	93.05	1	93.05
831544	3/29/2011	Planned Outage	76.57	1	76.57
831551	3/29/2011	Planned Outage	20.55	1	20.55
831556	3/29/2011	Planned Outage	65.60	4	16.40
831602	3/30/2011	Planned Outage	6,526.00	130	50.20
831726	3/30/2011	Planned Outage	365.87	98	3.73
831751	3/30/2011	Planned Outage	356.30	2	178.15
831782	3/30/2011	Planned Outage	264.45	]	264.45
831794	3/31/2011	Planned Outage	230.83	2	115.42
831797	3/31/2011	Planned Outage	30.70	1	30.70

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831801	3/31/2011	Planned Outage	115.90	1	115.90
831802	3/31/2011	Planned Outage	232.33	2	116.17
831806	3/31/2011	Planned Outage	7,048.20	68	103.65
831813	3/31/2011	Planned Outage	44.67	1	44.67
831817	3/31/2011	Planned Outage	101.78	1	101.78
831818	3/31/2011	Planned Outage	22.00	2	11.00
831824	3/31/2011	Planned Outage	639.33	7	91.33
831825	3/31/2011	Planned Outage	1,625.25	9	180.58
831866	4/1/2011	Planned Outage	165.53	1	165.53
831869	4/1/2011	Planned Outage	152.30	1	152.30
831880	4/1/2011	Planned Outage	676.00	4	169.00
831882	4/1/2011	Planned Outage	38.08	I	38.08
831898	4/1/2011	Planned Outage	189.20	4	47.30
831901	4/1/2011	Planned Outage	256.00	8	32.00
831905	4/1/2011	Planned Outage	132.80	2	66.40
831906	4/1/2011	Planned Outage	310.00	4	77.50
832030	4/2/2011	Planned Outage	45,019.80	1565	29.00
832075	4/3/2011	Planned Outage	1,058.67	5	211.73
832076	4/3/2011	Planned Outage	418.00	2	209.00
832088	4/3/2011	Planned Outage	283.97	7	40.57
832091	4/3/2011	Planned Outage	84.88	]	84.88
832112	4/4/2011	Planned Outage	98.00	1	98.00
832116	4/4/2011	Planned Outage	81.15	1	81.15
832123	4/4/2011	Planned Outage	492.00	3	164.00
832124	4/4/2011	Planned Outage	181.00	3	60.33
832125	4/4/2011	Planned Outage	85.52	1	85.52
832126	4/4/2011	Planned Outage	223.03	1	223.03
832131	4/4/2011	Planned Outage	5,305.88	623	8.52
832158	4/4/2011	Planned Outage	253.07	2	126.53
832159	4/4/2011	Planned Outage	211.67	5	42.33
832164	4/4/2011	Planned Outage	220.00	2	110.00
832165	4/4/2011	Planned Outage	110.02	1	110.02
832166	4/4/2011	Planned Outage	330.45	3	110.15
832175	4/4/2011	Planned Outage	540.00	4	135.00
832216	4/4/2011	Planned Outage	1,004.80	4	251.20
832236	4/4/2011	Planned Outage	2,500.12	13	192.32
832246	4/4/2011	Planned Outage	446.67	5	89.33
833452	4/5/2011	Planned Outage	420.35	7	60.05
833849	4/5/2011	Planned Outage	10,686.90	466	22.93
834046	4/5/2011	Planned Outage	121.00	1	121.00
834059	4/5/2011	Planned Outage	142.83	1	142.83

834096	4/5/2011	Planned Outage	189.25	3	63.08
834252	4/6/2011	Planned Outage	1,845.00	3	615.00
834334	4/6/2011	Planned Outage	245.00	5	49.00
834361	4/6/2011	Planned Outage	314.50	5	62.90
834370	4/7/2011	Planned Outage	3,159.00	27	117.00
834374	4/7/2011	Planned Outage	219.00	15	14.60
834384	4/7/2011	Planned Outage	82.05	1	82.05
834388	4/7/2011	Planned Outage	11.48	1	11.48
834392	4/7/2011	Planned Outage	9.70	1	9.70
834403	4/7/2011	Planned Outage	4.77	1	4.77
834408	4/7/2011	Planned Outage	66.97	2	33.48
834422	4/7/2011	Planned Outage	1,333.23	94	14.18
834432	4/7/2011	Planned Outage	1,164.00	12	97.00
834476	4/8/2011	Planned Outage	644.00	4	161.00
834484	4/8/2011	Planned Outage	80.30	1	80.30
834489	4/8/2011	Planned Outage	352.00	22	16.00
834716	4/11/2011	Planned Outage	443.40	4	110.85
834731	4/11/2011	Planned Outage	125.27	1	125.27
834734	4/11/2011	Planned Outage	43.90	3	14.63
834740	4/11/2011	Planned Outage	295.13	2	147.57
834773	4/11/2011	Planned Outage	21.78	1	21.78
834814	4/12/2011	Planned Outage	355.35	1	355.35
834820	4/12/2011	Planned Outage	313.33	8	39.17
834824	4/12/2011	Planned Outage	2,128.00	8	266.00
834837	4/12/2011	Planned Outage	62.15	3	20.72
834842	4/12/2011	Planned Outage	248.00	4	62.00
834857	4/12/2011	Planned Outage	354.67	32	11.08
834909	4/13/2011	Planned Outage	23.88	]	23.88
834913	4/13/2011	Planned Outage	441.20	2	220.60
834923	4/13/2011	Planned Outage	224.00	2	112.00
834924	4/13/2011	Planned Outage	12,581.40	83	151.58
834932	4/13/2011	Planned Outage	225.00	4	56.25
835013	4/13/2011	Planned Outage	28.00	2	14.00
835052	4/14/2011	Planned Outage	1,185.73	8	148.22
835054	4/14/2011	Planned Outage	600.00	4	150.00
835068	4/14/2011	Planned Outage	506.70	2	253.35
835069	4/14/2011	Planned Outage	7,246.80	66	109.80
835076	4/14/2011	Planned Outage	83.20	3	28.00
835078	4/14/2011	Planned Outage	555.00	5	111.00
835079	4/14/2011	Planned Outage	228.82	1	228.82
835080	4/14/2011	Planned Outage	333.67	5	66.73

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835085	4/14/2011	Planned Outage	483.00	7	69.00
835089	4/14/2011	Planned Outage	115.27	2	57.63
835092	4/14/2011	Planned Outage	21,294.00	78	273.00
835094	4/14/2011	Planned Outage	104.40	4	26.10
835133	4/15/2011	Planned Outage	55.65	3	18.55
835134	4/15/2011	Planned Outage	44.00	1	44.00
835135	4/15/2011	Planned Outage	272.00	4	68.00
835147	4/15/2011	Planned Outage	321.93	4	80.48
835150	4/15/2011	Planned Outage	142.00	1	142.00
835152	4/15/2011	Planned Outage	141.30	3	47.10
835356	4/18/2011	Planned Outage	119.13	4	29.78
835364	4/18/2011	Planned Outage	93.00	1	93.00
835370	4/18/2011	Planned Outage	342.60	2	171.30
835371	4/18/2011	Planned Outage	1,892.73	22	86.03
835374	4/18/2011	Planned Outage	293.73	4	73.43
835379	4/18/2011	Planned Outage	303.53	4	75.88
835380	4/18/2011	Planned Outage	452.00	6	75.33
835384	4/18/2011	Planned Outage	161.27	4	40.32
835385	4/18/2011	Planned Outage	912.92	25	36.52
835386	4/18/2011	Planned Outage	177.33	5	35.47
835387	4/18/2011	Planned Outage	210.33	2	105.17
835405	4/18/2011	Planned Outage	184.60	3	61.53
835438	4/18/2011	Planned Outage	76.43	2	38.22
835440	4/18/2011	Planned Outage	250.60	4	62.65
835490	4/19/2011	Planned Outage	553.20	2	276.60
835491	4/19/2011	Planned Outage	80.00	40	2.00
835495	4/19/2011	Planned Outage	729.00	3	243.00
835497	4/19/2011	Planned Outage	24.03	2	12.02
835498	4/19/2011	Planned Outage	52.13	4	13.03
835499	4/19/2011	Planned Outage	688.58	5	137.72
835501	4/19/2011	Planned Outage	428.00	4	107.00
835518	4/19/2011	Planned Outage	31.72		31.72
835519	4/19/2011	Planned Outage	76.90	2	38.45
835531	4/19/2011	Planned Outage	371.70	2	185.85
835545	4/19/2011	Planned Outage	275.83	2	137.92
835546	4/19/2011	Planned Outage	827.40	9	91.93
835574	4/20/2011	Planned Outage	45.00	1	45.00
835616	4/20/2011	Planned Outage	2,554.53	14	182.47
835621	4/20/2011	Planned Outage	88.13	1	88.13
835630	4/20/2011	Planned Outage	236.90	3	78.97
835641	4/20/2011	Planned Outage	101.60	2	50.80

835643	4/20/2011	Planned Outage	121.00	1	121.00
835645	4/20/2011	Planned Outage	66.25	3	22.08
835660	4/20/2011	Planned Outage	376.00	4	94.00
835662	4/20/2011	Planned Outage	426.15	3	142.05
835668	4/20/2011	Planned Outage	108.33	5	21.67
835709	4/21/2011	Planned Outage	195.00	5	39.00
835729	4/21/2011	Planned Outage	28.52	1	28.52
835764	4/21/2011	Planned Outage	872.60	6	145.43
835766	4/21/2011	Planned Outage	12.00	3	4.00
835904	4/22/2011	Planned Outage	125.97	1	125.97
835906	4/22/2011	Planned Outage	15,551.80	139	111.88
835907	4/22/2011	Planned Outage	52.90	1	52.90
835918	4/22/2011	Planned Outage	184.98	1	184.98
836069	4/25/2011	Planned Outage	155.70	2	77.85
836081	4/25/2011	Planned Outage	7,744.75	65	119.15
836082	4/25/2011	Planned Outage	531.00	3	177.00
836086	4/25/2011	Planned Outage	138.00	1	138.00
836096	4/25/2011	Planned Outage	35.28	1	35.28
836103	4/25/2011	Planned Outage	231.47	4	57.87
836105	4/25/2011	Planned Outage	497.25	5	99.45
836113	4/25/2011	Planned Outage	427.55	3	142.52
836135	4/25/2011	Planned Outage	74.48	1	74.48
836137	4/25/2011	Planned Outage	338.10	9	37.57
836260	4/26/2011	Planned Outage	21.60	1	21.60
836265	4/26/2011	Planned Outage	80.38	1	80.38
836268	4/26/2011	Planned Outage	233.10	3	77.70
836270	4/26/2011	Planned Outage	277.90	3	92.63
836271	4/26/2011	Planned Outage	41.62	1	41.62
836272	4/26/2011	Planned Outage	41.33	1	41.33
836273	4/26/2011	Planned Outage	271.50	3	90.50
836274	4/26/2011	Planned Outage	89.40	1	89.40
836276	4/26/2011	Planned Outage	83.83	1	83.83
836284	4/26/2011	Planned Outage	2,447.20	84	29.13
836309	4/26/2011	Planned Outage	77.23	1	77.23
836310	4/26/2011	Planned Outage	77.38	1	77.38
836315	4/26/2011	Planned Outage	28.28	1	28.28
836325	4/26/2011	Planned Outage	144.00	5	28.80
836333	4/26/2011	Planned Outage	107.57	1	107.57
836356	4/27/2011	Planned Outage	39.32	1	39.32
836360	4/27/2011	Planned Outage	1,000.00	20	50.00
836362	4/27/2011	Planned Outage	99.00	3	33.00

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836364	4/27/2011	Planned Outage	471.00	3	157.00
836367	4/27/2011	Planned Outage	129.95	1	129.95
836369	4/27/2011	Planned Outage	96.00	3	32.00
836373	4/27/2011	Planned Outage	108.87	4	27.22
836374	4/27/2011	Planned Outage	201.00	1	201.00
836379	4/27/2011	Planned Outage	660.00	11	60.00
836380	4/27/2011	Planned Outage	409.80	12	34.15
836382	4/27/2011	Planned Outage	1,420.32	31	45.82
836392	4/27/2011	Planned Outage	776.00	8	97.00
836398	4/27/2011	Planned Outage	416.00	8	52.00
836426	4/27/2011	Planned Outage	118.27	2	59.13
836789	4/28/2011	Planned Outage	2,582.00	2	1,291.00
836790	4/28/2011	Planned Outage	3,819.00	3	1,273.00
836791	4/28/2011	Planned Outage	80.23	2	40.12
836874	4/29/2011	Planned Outage	7,701.65	57	135.12
836887	4/29/2011	Planned Outage	12.45	1	12.45
836894	4/29/2011	Planned Outage	1,066.67	80	13.33
836911	4/29/2011	Planned Outage	21.63	1	21.63
836942	4/29/2011	Planned Outage	196.00	2	98.00
836950	4/29/2011	Planned Outage	162.50	5	32.50
837129	5/2/2011	Planned Outage	427.00	7	61.00
837133	5/2/2011	Planned Outage	4,200.00	60	70.00
837136	5/2/2011	Planned Outage	7,560.00	70	108.00
837137	5/2/2011	Planned Outage	438.50	15	29.23
837138	5/2/2011	Planned Outage	558.00	31	18.00
837140	5/2/2011	Planned Outage	289.00	17	17.00
837143	5/2/2011	Planned Outage	328.53	7	46.93
837145	5/2/2011	Planned Outage	969.00	51	19.00
837147	5/2/2011	Planned Outage	107.43	2	53.72
837152	5/2/2011	Planned Outage	132.07	4	33.02
837157	5/2/2011	Planned Outage	102.63	2	51.32
837179	5/2/2011	Planned Outage	134.50	1	134.50
837196	5/2/2011	Planned Outage	39.00	1	39.00
837197	5/2/2011	Planned Outage	154.58	5	30.92
837214	5/3/2011	Planned Outage	280.00	2	141.03
837222	5/3/2011	Planned Outage	19.70	1	19.70
837261	5/3/2011	Planned Outage	1,271.87	8	158.98
837265	5/3/2011	Planned Outage	306.83	1	306.83
837266	5/3/2011	Planned Outage	401.42	5	80.28
837299	5/3/2011	Planned Outage	729.00	27	27.00
837303	5/3/2011	Planned Outage	86.77	1	86.77

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837307	5/3/2011	Planned Outage	229,278.00	1442	159.00
837309	5/3/2011	Planned Outage	38.53	1	38.53
837348	5/3/2011	Planned Outage	33,973.30	104	326.67
837445	5/4/2011	Planned Outage	341.00	11	31.00
837489	5/4/2011	Planned Outage	104.20	1	104.20
837544	5/5/2011	Planned Outage	604.73	2	302.37
837545	5/5/2011	Planned Outage	6,928.37	23	301.23
837571	5/5/2011	Planned Outage	126.00	2	63.00
837607	5/5/2011	Planned Outage	445.00	5	89.00
837646	5/6/2011	Planned Outage	409.20	4	102.30
837663	5/6/2011	Planned Outage	112.90	1	112.90
837705	5/6/2011	Planned Outage	198.72	1	198.72
837798	5/7/2011	Planned Outage	118.00	1	118.00
837896	5/9/2011	Planned Outage	146.30	3	48.77
837904	5/9/2011	Planned Outage	369.05	3	123.02
837905	5/9/2011	Planned Outage	122.08	1	122.08
837906	5/9/2011	Planned Outage	380.00	50	7.60
837910	5/9/2011	Planned Outage	180.75	I	180.75
837957	5/9/2011	Planned Outage	418.00	2	209.00
838022	5/10/2011	Planned Outage	209.05	3	69.68
838092	5/11/2011	Planned Outage	354.00	2	177.00
838093	5/11/2011	Planned Outage	692.00	4	173.00
838097	5/11/2011	Planned Outage	1,344.00	3	448.00
838098	5/11/2011	Planned Outage	453.00	3	151.00
838099	5/11/2011	Planned Outage	477.00	3	159.00
838102	5/11/2011	Planned Outage	256.30	2	128.15
838103	5/11/2011	Planned Outage	231.00	3	77.00
838104	5/11/2011	Planned Outage	410.00	2	205.00
838107	5/11/2011	Planned Outage	406.17	1	406.17
838113	5/11/2011	Planned Outage	14.42	l	14.42
838119	5/11/2011	Planned Outage	780.00	30	26.00
838120	5/11/2011	Planned Outage	15.00	1	15.00
838125	5/11/2011	Planned Outage	436.00	4	109.00
838128	5/11/2011	Planned Outage	1,136.00	4	284.00
838129	5/11/2011	Planned Outage	9.00	1	9.00
838138	5/11/2011	Planned Outage	157.00	1	157.00
838148	5/11/2011	Planned Outage	1,853.50	33	56.17
838204	5/12/2011	Planned Outage	62.50	3	20.83
838205	5/12/2011	Planned Outage	167.60	8	20.95
838207	5/12/2011	Planned Outage	359.02	13	27.62
838209	5/12/2011	Planned Outage	2,340.62	11	212.78

838215	5/12/2011	Planned Outage	225.33	5	45.07
838216	5/12/2011	Planned Outage	229.20	4	57.30
838217	5/12/2011	Planned Outage	12.78	1	12.78
838221	5/12/2011	Planned Outage	132.00	6	22.00
838235	5/12/2011	Planned Outage	19.27	2	9.63
838307	5/12/2011	Planned Outage	1,547.00	13	119.00
838339	5/13/2011	Planned Outage	903.45	9	100.38
838356	5/13/2011	Planned Outage	487.10	3	162.37
838366	5/13/2011	Planned Outage	55.67	2	27.83
839119	5/16/2011	Planned Outage	322.00	14	23.00
839133	5/16/2011	Planned Outage	296.00	1	296.00
839137	5/16/2011	Planned Outage	1,105.00	13	85.00
839174	5/16/2011	Planned Outage	501.40	3	167.13
839178	5/16/2011	Planned Outage	945.05	3	315.02
839189	5/16/2011	Planned Outage	810.00	9	90.00
839195	5/16/2011	Planned Outage	109.75	3	36.58
839200	5/16/2011	Planned Outage	508.07	4	127.02
839310	5/17/2011	Planned Outage	1,124.00	2	562.00
839313	5/17/2011	Planned Outage	442.00	1	442.00
839326	5/17/2011	Planned Outage	716.00	2	358.00
839340	5/17/2011	Planned Outage	100.50	10	10.05
839343	5/17/2011	Planned Outage	1,814.30	6	302.38
839371	5/17/2011	Planned Outage	4,284.00	36	119.00
839377	5/17/2011	Planned Outage	972.00	9	108.00
839380	5/17/2011	Planned Outage	100.00	5	20.00
839393	5/17/2011	Planned Outage	564.00	3	188.00
839431	5/18/2011	Planned Outage	3,759.00	21	179.00
839443	5/18/2011	Planned Outage	111.18	1	111.18
839453	5/18/2011	Planned Outage	291.42	1	291.42
839454	5/18/2011	Planned Outage	2,358.00	18	131.00
839455	5/18/2011	Planned Outage	780.50	6	130.08
839459	5/18/2011	Planned Outage	316.00	2	158.00
839461	5/18/2011	Planned Outage	524.57	2	262.28
839465	5/18/2011	Planned Outage	831.50	10	83.15
839467	5/18/2011	Planned Outage	266.75	5	53.35
839480	5/18/2011	Planned Outage	344.30	6	57.38
839490	5/18/2011	Planned Outage	159.60	7	22.80
839494	5/18/2011	Planned Outage	346.00	2	173.00
839509	5/18/2011	Planned Outage	327.80	2	163.90
839559	5/19/2011	Planned Outage	979.00	30	32.63
839572	5/19/2011	Planned Outage	267.10	2	133.55

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839574	5/19/2011	Planned Outage	7,299.27	1063	6.87
839651	5/19/2011	Planned Outage	24,307.30	1063	22.87
839667	5/19/2011	Planned Outage	171.00	1	171.00
839675	5/19/2011	Planned Outage	408.00	4	102.00
839680	5/19/2011	Planned Outage	88.73	1	
839786	5/20/2011	Planned Outage	498.00	6	83.00
839794	5/20/2011	Planned Outage	176.50	3	58.83
839813	5/21/2011	Planned Outage	378.00	9	42.00
839915	5/22/2011	Planned Outage	114.40	4	28.60
839954	5/23/2011	Planned Outage	25.00	1	25.00
839955	5/23/2011	Planned Outage	95.00	5	19.00
839957	5/23/2011	Planned Outage	436.15	3	145.38
839958	5/23/2011	Planned Outage	2,320.32	23	100.88
839959	5/23/2011	Planned Outage	197.15	1	197.15
839962	5/23/2011	Planned Outage	889.00	5	177.80
839963	5/23/2011	Planned Outage	200.00	4	50.00
839964	5/23/2011	Planned Outage	3,603.17	26	138.58
839966	5/23/2011	Planned Outage	209.60	4	52.40
839975	5/23/2011	Planned Outage	2,664.00	18	148.00
839980	5/23/2011	Planned Outage	418.83	7	59.83
839995	5/23/2011	Planned Outage	477.25	3	159.08
839999	5/23/2011	Planned Outage	337.98	7	48.28
840003	5/23/2011	Planned Outage	68.80	1	68.80
840102	5/24/2011	Planned Outage	4,983.00	33	151.00
840278	5/24/2011	Planned Outage	9,102.87	44	206.88
840293	5/24/2011	Planned Outage	4,784.00	26	184.00
840329	5/25/2011	Planned Outage	177.58	1	177.58
840339	5/25/2011	Planned Outage	96.87	1	96.87
840340	5/25/2011	Planned Outage	324.27	2	162.13
840353	5/25/2011	Planned Outage	1,280.53	7	182.93
840354	5/25/2011	Planned Outage	118.88	1	118.88
840355	5/25/2011	Planned Outage	272.00	4	68.00
840358	5/25/2011	Planned Outage	272.00	4	68.00
840367	5/25/2011	Planned Outage	2,784.83	62	44.92
840369	5/25/2011	Planned Outage	298.63	17	17.57
840373	5/25/2011	Planned Outage	1,300.00	4	325.00
840374	5/25/2011	Planned Outage	10,791.00	44	245.25
840385	5/25/2011	Planned Outage	558.00	3	186.00
840388	5/25/2011	Planned Outage	4,105.00	5	821.00
840408	5/25/2011	Planned Outage	1,142.12	29	39.38
840419	5/25/2011	Planned Outage	1,169.00	7	167.00

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840425	5/26/2011	Planned Outage	1,023.00	3	341.00
840426	5/26/2011	Planned Outage	2,728.00	8	341.00
840428	5/26/2011	Planned Outage	588.00	4	147.00
840437	5/26/2011	Planned Outage	97.00	1	97.00
840439	5/26/2011	Planned Outage	350.00	2	175.00
840446	5/26/2011	Planned Outage	627.43	7	89.63
840458	5/26/2011	Planned Outage	598.00	12	49.83
840473	5/26/2011	Planned Outage	1,268.80	13	97.60
840564	5/27/2011	Planned Outage	58.00	1	58.00
840580	5/27/2011	Planned Outage	284.00	4	71.00
841081	5/31/2011	Planned Outage	448.00	4	112.00
841083	5/31/2011	Planned Outage	261.00	9	29.00
841087	5/31/2011	Planned Outage	52.33	4	13.08
841096	5/31/2011	Planned Outage	1,025.00	5	205.00
841098	5/31/2011	Planned Outage	92.72	1	92.72
841116	5/31/2011	Planned Outage	528.00	3	176.00
841119	5/31/2011	Planned Outage	55.50	1	55.50
841124	5/31/2011	Planned Outage	258.00	1	258.00
841150	5/31/2011	Planned Outage	41.43	I	41.43
841158	5/31/2011	Planned Outage	916.00	4	229.00
841193	6/1/2011	Planned Outage	183.13	1	183.13
841195	6/1/2011	Planned Outage	13.02	1	13.02
841206	6/1/2011	Planned Outage	332.60	3	110.87
841207	6/1/2011	Planned Outage	9,087.07	323	28.13
841208	6/1/2011	Planned Outage	5,278.67	107	49.33
841212	6/1/2011	Planned Outage	836.00	4	209.00
841225	6/1/2011	Planned Outage	68.37	1	68.37
841234	6/1/2011	Planned Outage	177.93	1	177.93
841264	6/1/2011	Planned Outage	49.70	1	49.70
841295	6/1/2011	Planned Outage	389.38	1	389.38
841337	6/2/2011	Planned Outage	228.83	2	114.42
841343	6/2/2011	Planned Outage	129.85	1	129.85
841348	6/2/2011	Planned Outage	158.90	2	79.45
841349	6/2/2011	Planned Outage	94.08	5	18.82
841355	6/2/2011	Planned Outage	337.10	3	112.37
841361	6/2/2011	Planned Outage	37.40	2	18.70
841377	6/2/2011	Planned Outage	449.00	2	224.50
841500	6/3/2011	Planned Outage	23.00	1	23.00
841567	6/3/2011	Planned Outage	2,329.00	73	68.00
841571	6/3/2011	Planned Outage	17,143.00	71	241.45
841634	6/3/2011	Planned Outage	70.00	2	35.00

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841635	6/3/2011	Planned Outage	107.30	3	35.77
841638	6/3/2011	Planned Outage	112.95	3	37.65
841688	6/3/2011	Planned Outage	62.00	2	31.00
842113	6/5/2011	Planned Outage	770.55	3	256.85
842114	6/5/2011	Planned Outage	619.77	2	309.88
842267	6/6/2011	Planned Outage	790.18	7	112.88
842270	6/6/2011	Planned Outage	9,575.80	52	184.15
842274	6/6/2011	Planned Outage	1,160.00	5	232.00
842276	6/6/2011	Planned Outage	161.15	3	53.72
842284	6/6/2011	Planned Outage	1,820.00	10	182.00
842288	6/6/2011	Planned Outage	1,699.55	19	89.45
842290	6/6/2011	Planned Outage	42.18	1	42.18
842291	6/6/2011	Planned Outage	267.70	3	89.23
842295	6/6/2011	Planned Outage	34.38	1	34.38
842300	6/6/2011	Planned Outage	11.58	1	11.58
842301	6/6/2011	Planned Outage	95.10	3	31.70
842606	6/7/2011	Planned Outage	376.05	3	125.35
842642	6/7/2011	Planned Outage	176.80	4	44.20
842663	6/7/2011	Planned Outage	1,470.00	10	147.00
842681	6/7/2011	Planned Outage	78.00	]	78.00
842696	6/7/2011	Planned Outage	70.55	1	70.55
842701	6/7/2011	Planned Outage	39.57	1	39.57
842703	6/7/2011	Planned Outage	25.72	1	25.72
842709	6/7/2011	Planned Outage	54.70	2	27.35
842732	6/7/2011	Planned Outage	264.13	7	37.73
842857	6/8/2011	Planned Outage	110.75	5	22.1
842863	6/8/2011	Planned Outage	352.73	2	176.37
842864	6/8/2011	Planned Outage	335.43	2	167.72
842872	6/8/2011	Planned Outage	640.92	5	128.18
842877	6/8/2011	Planned Outage	312.33	5	62.47
842879	6/8/2011	Planned Outage	26,803.10	1371	19.55
842926	6/8/2011	Planned Outage	34.17	1	34.17
842937	6/8/2011	Planned Outage	662.00	4	165.50
843152	6/9/2011	Planned Outage	23,735.00	235	101.00
843153	6/9/2011	Planned Outage	562.85	3	187.62
843174	6/9/2011	Planned Outage	1,557.50	7	222.50
843223	6/9/2011	Planned Outage	106.75	1	106.75
843254	6/10/2011	Planned Outage	155.90	1	155.90
843512	6/10/2011	Planned Outage	1,201.33	1060	1.13
843573	6/10/2011	Planned Outage	15,678.00	134	117.00
843577	6/10/2011	Planned Outage	2,473.33	1060	2.33

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843603	6/10/2011	Planned Outage	31,075.70	1060	29.32
843692	6/10/2011	Planned Outage	376.77	2	188.38
843726	6/10/2011	Planned Outage	182.42	5	36.48
843728	6/10/2011	Planned Outage	107.17	2	53.58
843736	6/10/2011	Planned Outage	137.78	1	137.78
843781	6/10/2011	Planned Outage	15,467.40	1565	9.88
843782	6/10/2011	Planned Outage	2,351.75	1227	1.92
843787	6/10/2011	Planned Outage	34,713.90	2792	12.43
843886	6/11/2011	Planned Outage	1,046.50	130	8.05
844394	6/13/2011	Planned Outage	204.77	1	204.77
844397	6/13/2011	Planned Outage	300.00	6	50.00
844918	6/14/2011	Planned Outage	60.80	3	20.27
845155	6/15/2011	Planned Outage	412.20	3	137.40
845193	6/15/2011	Planned Outage	178.03	1	178.03
845197	6/15/2011	Planned Outage	273.00	21	13.00
845201	6/15/2011	Planned Outage	598.50	9	66.50
845203	6/15/2011	Planned Outage	1,672.00	44	38.00
845206	6/15/2011	Planned Outage	1,122.00	66	17.00
845217	6/15/2011	Planned Outage	210.35	7	30.05
845218	6/15/2011	Planned Outage	69.63	1	69.63
845231	6/15/2011	Planned Outage	609.23	7	87.03
845232	6/15/2011	Planned Outage	47.43	2	23.72
845270	6/15/2011	Planned Outage	393.00	3	131.00
845279	6/15/2011	Planned Outage	428.47	4	107.12
845326	6/16/2011	Planned Outage	959.87	23	41.73
845537	6/16/2011	Planned Outage	3,057.45	17	179.85
845539	6/16/2011	Planned Outage	3,834.00	54	71.00
845542	6/16/2011	Planned Outage	3,718.80	27	137.73
845566	6/16/2011	Planned Outage	320.00	4	80.00
845637	6/16/2011	Planned Outage	6,370.00	91	70.00
845693	6/17/2011	Planned Outage	1,329.90	66	20.15
845698	6/17/2011	Planned Outage	213.87	4	53.47
845700	6/17/2011	Planned Outage	443.53	4	110.88
845701	6/17/2011	Planned Outage	71.62	1	71.62
845703	6/17/2011	Planned Outage	308.00	7	44.00
845705	6/17/2011	Planned Outage	48.03	2	24.02
845707	6/17/2011	Planned Outage	254.05	3	84.68
845711	6/17/2011	Planned Outage	316.40	3	105.4
845723	6/17/2011	Planned Outage	24,166.40	354	68.2
845750	6/17/2011	Planned Outage	422.80	4	105.70
845809	6/18/2011	Planned Outage	9.48	1	9.48

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846034	6/20/2011	Planned Outage	288.00	16	18.00
846081	6/20/2011	Planned Outage	73.20	2	36.60
846089	6/20/2011	Planned Outage	1,031.68	7	147.38
846090	6/20/2011	Planned Outage	2,044.33	20	102.22
846091	6/20/2011	Planned Outage	6,037.67	59	102.33
846100	6/20/2011	Planned Outage	471.57	7	67.37
846119	6/20/2011	Planned Outage	508.50	10	50.85
846120	6/20/2011	Planned Outage	50.78	1	50.78
846141	6/20/2011	Planned Outage	1,181.95	7	168.85
846171	6/20/2011	Planned Outage	96.97	2	48.48
846207	6/21/2011	Planned Outage	118.68	1	118.68
846213	6/21/2011	Planned Outage	5,277.08		310.42
846222	6/21/2011	Planned Outage	749.10	9	83.23
846225	6/21/2011	Planned Outage	85.10	2	42.55
846267	6/21/2011	Planned Outage	22.10	2	11.05
846276	6/21/2011	Planned Outage	55.17	1	55.17
846293	6/21/2011	Planned Outage	473.57	2	236.78
846368	6/22/2011	Planned Outage	37.35	1	37.35
846412	6/22/2011	Planned Outage	35.00	1	35.00
846438	6/22/2011	Planned Outage	103.10	2	51.55
846446	6/22/2011	Planned Outage	79.12	1	79.12
846454	6/22/2011	Planned Outage	517.40	12	43.12
846479	6/22/2011	Planned Outage	335.70	54	6.22
846500	6/23/2011	Planned Outage	101.00	1	101.00
846529	6/23/2011	Planned Outage	30.30	2	15.15
846542	6/23/2011	Planned Outage	25.07	1	25.07
846545	6/23/2011	Planned Outage	2,119.88	11	192.72
846547	6/23/2011	Planned Outage	687.60	2	343.80
846549	6/23/2011	Planned Outage	45.17	2	22.58
846551	6/23/2011	Planned Outage	113.75	3	37.92
846893	6/24/2011	Planned Outage	888.63	53	16.77
846908	6/24/2011	Planned Outage	218.40	1	218.40
846918	6/24/2011	Planned Outage	15.65	1	15.65
846919	6/24/2011	Planned Outage	122.70	2	61.35
847022	6/25/2011	Planned Outage	236.52	1	236.52
847028	6/25/2011	Planned Outage	175.45	1	175.45
847052	6/25/2011	Planned Outage	565.75	73	7.75
847064	6/25/2011	Planned Outage	1,753.50	10	175.35
847269	6/26/2011	Planned Outage	10,033.10	16	627.07
847294	6/27/2011	Planned Outage	547.00	4	136.75
847295	6/27/2011	Planned Outage	74.47	1	74.47

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847297	6/27/2011	Planned Outage	275.72	I	275.72
847299	6/27/2011	Planned Outage	208.00	8	26.00
847300	6/27/2011	Planned Outage	529.20	2	264.60
847301	6/27/2011	Planned Outage	488.43	2	244.22
847302	6/27/2011	Planned Outage	1,019.70	3	339.90
847304	6/27/2011	Planned Outage	161.00	7	23.00
847305	6/27/2011	Planned Outage	440.27	2	220.13
847309	6/27/2011	Planned Outage	256.00	2	128.00
847311	6/27/2011	Planned Outage	221.83	5	44.37
847314	6/27/2011	Planned Outage	104.85	3	34.95
847329	6/27/2011	Planned Outage	488.58	13	37.58
847335	6/27/2011	Planned Outage	572.00	4	143.00
847342	6/27/2011	Planned Outage	20.52	I	20.52
847345	6/27/2011	Planned Outage	222.00	3	74.00
847346	6/27/2011	Planned Outage	74.00	1	74.00
847348	6/27/2011	Planned Outage	2,703.00	102	26.50
847350	6/27/2011	Planned Outage	4,978.80	36	138.30
847356	6/27/2011	Planned Outage	91.50	9	10.17
847366	6/27/2011	Planned Outage	109.13	2	54.57
847389	6/27/2011	Planned Outage	20.98	1	20.98
847391	6/27/2011	Planned Outage	63.57	1	63.57
847400	6/27/2011	Planned Outage	83.20	4	20.80
847405	6/27/2011	Planned Outage	98.00	2	49.00
847465	6/28/2011	Planned Outage	700.00	4	175.00
847479	6/28/2011	Planned Outage	253.95	9	28.22
847536	6/28/2011	Planned Outage	682.72	13	52.52
847549	6/28/2011	Planned Outage	44.90	1	44.90
847563	6/28/2011	Planned Outage	123.00	1	123.00
847642	6/28/2011	Planned Outage	26.85	1	26.85
847655	6/28/2011	Planned Outage	1,433.55	19	75.45
847656	6/28/2011	Planned Outage	821.10	69	11.90
847657	6/28/2011	Planned Outage	228.95	19	12.05
847659	6/28/2011	Planned Outage	231.00	1	231.00
847917	6/29/2011	Planned Outage	3,389.20	74	45.80
847930	6/29/2011	Planned Outage	194.83	10	19.48
847947	6/29/2011	Planned Outage	191.87	4	47.97
847955	6/29/2011	Planned Outage	328.00	2	164.00
847958	6/29/2011	Planned Outage	269.00	1	269.00
847965	6/29/2011	Planned Outage	7.12	1	.7.12
847973	6/29/2011	Planned Outage	120.00	3	40.00
847983	6/29/2011	Planned Outage	58.00	1	58.00

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847985	6/29/2011	Planned Outage	780.00	10	78.00
847987	6/29/2011	Planned Outage	2,324.00	7	332.00
847988	6/29/2011	Planned Outage	114.00	1	114.00
848007	6/29/2011	Planned Outage	68.00	4	17.00
848008	6/29/2011	Planned Outage	146.70	9	16.30
848015	6/29/2011	Planned Outage	405.00	5	81.00
848026	6/29/2011	Planned Outage	95.97	1	95.97
848068	6/30/2011	Planned Outage	668.12	1	668.12
848071	6/30/2011	Planned Outage	6,615.90	27	245.03
848079	6/30/2011	Planned Outage	1,531.40	19	80.60
848086	6/30/2011	Planned Outage	168.00	6	28.00
848093	6/30/2011	Planned Outage	1,221.20	86	14.20
848115	6/30/2011	Planned Outage	53.67	5	10.73
848157	6/30/2011	Planned Outage	1,088.53	13	83.73
848867	7/4/2011	Planned Outage	288.17	2	144.08
848929	7/5/2011	Planned Outage	512.13	2	256.07
848931	7/5/2011	Planned Outage	1,279.43	2	639.72
848932	7/5/2011	Planned Outage	639.00	1	639.00
848933	7/5/2011	Planned Outage	1,915.85	3	638.62
848937	7/5/2011	Planned Outage	6,127.18	209	29.32
848948	7/5/2011	Planned Outage	77.05	1	77.05
848950	7/5/2011	Planned Outage	437.00	3	145.67
848954	7/5/2011	Planned Outage	480.10	6	80.02
848962	7/5/2011	Planned Outage	20.00	1	20.00
848965	7/5/2011	Planned Outage	199.00	1	199.00
848979	7/5/2011	Planned Outage	1,449.00	42	34.50
848980	7/5/2011	Planned Outage	1,510.10	3	503.3
848981	7/5/2011	Planned Outage	625.73	2	312.8
849113	7/6/2011	Planned Outage	10,867.20	24	452.80
849119	7/6/2011	Planned Outage	181.00	1	181.00
849141	7/6/2011	Planned Outage	107.00	I	107.0
849161	7/6/2011	Planned Outage	45.00	3	15.0
849263	7/7/2011	Planned Outage	108.00	3	36.00
849264	7/7/2011	Planned Outage	112.00	8	14.0
849269	7/7/2011	Planned Outage	220.60	4	55.0
849273	7/7/2011	Planned Outage	15.00	3	5.0
849274	7/7/2011	Planned Outage	43.75	7	6.2
849277	7/7/2011	Planned Outage	115.83	5	23.1
849278	7/7/2011	Planned Outage	126.85	1	126.8
849293	7/7/2011	Planned Outage	34.73		34.7
849309	7/7/2011	Planned Outage	5,996.00	1499	4.0

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849328	7/7/2011	Planned Outage	156.00	2	78.00
849521	7/8/2011	Planned Outage	455.82	7	65.12
849538	7/8/2011	Planned Outage	142.00	1	142.00
849541	7/8/2011	Planned Outage	192.63	2	96.32
849565	7/8/2011	Planned Outage	198.45	3	66.15
849577	7/8/2011	Planned Outage	121.62	1	121.62
850135	7/11/2011	Planned Outage	160.67	5	32.13
850148	7/11/2011	Planned Outage	339.40	2	169.70
850152	7/11/2011	Planned Outage	57.87	1	57.87
850153	7/11/2011	Planned Outage	32.00	4	8.00
850165	7/11/2011	Planned Outage	333.00	3	111.00
850167	7/11/2011	Planned Outage	12.40	1	12.40
850184	7/11/2011	Planned Outage	16.77	2	8.38
850186	7/11/2011	Planned Outage	210.00	28	7.50
850187	7/11/2011	Planned Outage	110.00	2	55.00
850201	7/11/2011	Planned Outage	564.67	22	25.67
850207	7/11/2011	Planned Outage	64.87	4	16.22
850235	7/11/2011	Planned Outage	3,180.00	1272	2.50
850299	7/11/2011	Planned Outage	194.57	1	194.57
850325	7/11/2011	Planned Outage	714.27	44	16.23
850335	7/11/2011	Planned Outage	443.87	4	110.97
850469	7/12/2011	Planned Outage	940.17	2	470.08
850473	7/12/2011	Planned Outage	210.00	5	42.00
850483	7/12/2011	Planned Outage	40.10	1	40.10
850488	7/12/2011	Planned Outage	125.60	4	31.40
850490	7/12/2011	Planned Outage	24.00	3	8.00
850491	7/12/2011	Planned Outage	61.28	1	61.2
850502	7/12/2011	Planned Outage	537.33	31	17.3
850504	7/12/2011	Planned Outage	11.63	]	11:6
850509	7/12/2011	Planned Outage	112.25	3	37.42
850510	7/12/2011	Planned Outage	68.10		
850517	7/12/2011	Planned Outage	740.00	5	148.00
850536	7/12/2011	Planned Outage	4,015.92	143	28.08
850576	7/13/2011	Planned Outage	145.00	1	145.00
850579	7/13/2011	Planned Outage	252.00	1	252.00
850735	7/13/2011	Planned Outage	7,370.00	737	10.00
850747	7/13/2011	Planned Outage	6,300.00	25	252.00
850757	7/13/2011	Planned Outage	29.03	1	29.03
850775	7/13/2011	Planned Outage	284.00	2	142.00
850789	7/13/2011	Planned Outage	260.00	5	52.00
850819	7/13/2011	Planned Outage	205.00	5	41.00

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851060	7/14/2011	Planned Outage	563.55	9	62.62
851073	7/14/2011	Planned Outage	570.83	2	285.42
851077	7/14/2011	Planned Outage	1,180.53	16	73.78
851081	7/14/2011	Planned Outage	57.85	1	57.85
851083	7/14/2011	Planned Outage	372.25	3	124.08
851087	7/14/2011	Planned Outage	191.97	2	95.98
851088	7/14/2011	Planned Outage	88.80	2	44.40
851091	7/14/2011	Planned Outage	337.18	1	337.18
851095	7/14/2011	Planned Outage	850.00	425	2.00
851113	7/14/2011	Planned Outage	217.82	1	217.82
851114	7/14/2011	Planned Outage	176.30	1	176.30
851122	7/14/2011	Planned Outage	150.07	2	75.03
851126	7/14/2011	Planned Outage	270.50	6	45.08
851269	7/15/2011	Planned Outage	75.85	3	25.28
851273	7/15/2011	Planned Outage	314.40	4	79.00
851279	7/15/2011	Planned Outage	1,757.80	33	53.27
851285	7/15/2011	Planned Outage	16.60	1	16.60
851286	7/15/2011	Planned Outage	50.60	1	50.60
851288	7/15/2011	Planned Outage	2,959.55	33	89.68
851290	7/15/2011	Planned Outage	523.33	4	130.83
851295	7/15/2011	Planned Outage	6,080.00	95	64.00
851325	7/15/2011	Planned Outage	327.00	3	109.00
851358	7/15/2011	Planned Outage	5,502.93	134	41.07
851367	7/15/2011	Planned Outage	93.00	31	3.00
851756	7/17/2011	Planned Outage	102.05	3	34.02
851768	7/18/2011	Planned Outage	475.67	1	475.67
851769	7/18/2011	Planned Outage	1,101.83	11	100.17
851799	7/18/2011	Planned Outage	2,322.00	18	129.00
851808	7/18/2011	Planned Outage	142.00	142	1.00
851809	7/18/2011	Planned Outage	34.53	1	34.53
851810	7/18/2011	Planned Outage	29,896.00	148	202.00
851812	7/18/2011	Planned Outage	8.12	1	8.12
851815	7/18/2011	Planned Outage	592.80	2	296.40
851816	7/18/2011	Planned Outage	24.55	1	24.55
851817	7/18/2011	Planned Outage	10.98	1	10.98
851818	7/18/2011	Planned Outage	27.72	1	27.72
851875	7/18/2011	Planned Outage	7,556.25	45	167.92
851913	7/18/2011	Planned Outage	3.00	1	3.00
851915	7/18/2011	Planned Outage	69.00	1	69.00
852003	7/18/2011	Planned Outage	771.20	8	96.40
852051	7/19/2011	Planned Outage	105.00	7	15.00

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852052	7/19/2011	Planned Outage	320.00	2	160.00
852052	7/19/2011	Planned Outage	16.18	1	16.18
852050	7/19/2011	Planned Outage	162.63	1	162.63
852080	7/19/2011	Planned Outage	81.13	4	20.28
852112	7/19/2011	Planned Outage	51.00	2	25.50
852126	7/19/2011	Planned Outage	481.67	10	48.17
852123	7/19/2011	Planned Outage	187.60	24	7.82
852190	7/20/2011	Planned Outage	82,734.40	267	309.87
852201	7/20/2011	Planned Outage	53.88	1	53.88
852205	7/20/2011	Planned Outage	698.27	8	87.28
852208	7/20/2011	Planned Outage	221.10	2	110.55
852220	7/20/2011	Planned Outage	469.73	4	117.43
852221	7/20/2011	Planned Outage	1,354.45	3	451.48
852223	7/20/2011	Planned Outage	15.23	1	15.23
852227	7/20/2011	Planned Outage	136.00	4	34.00
852229	7/20/2011	Planned Outage	1,080.00	12	90.00
852230	7/20/2011	Planned Outage	127.80	3	42.60
852243	7/20/2011	Planned Outage	220.00	4	55.00
852256	7/20/2011	Planned Outage	809.33	40	20.2
852282	7/20/2011	Planned Outage	5,235.97	86	60.8
852284	7/20/2011	Planned Outage	121.67	- 5	24.3
852318	7/20/2011	Planned Outage	41.40	2	20.7
852341	7/21/2011	Planned Outage	62,320.00	779	80.0
852348	7/21/2011	Planned Outage	280.00		20.0
852349	7/21/2011	Planned Outage	48.62	1	48.6
852353	7/21/2011	Planned Outage	734.25	9	81.5
852354	7/21/2011	Planned Outage	295.40	6	49.2
852355	7/21/2011	Planned Outage	191.60	4	47.9
852357	7/21/2011	Planned Outage	304.00	19	16.0
852363	7/21/2011	Planned Outage	32.02	I	32.0
852364	7/21/2011	Planned Outage	31.98	1	31.9
852365	7/21/2011	Planned Outage	166.75	23	7.2
852369	7/21/2011	Planned Outage	420.00	4	105.0
852370	7/21/2011	Planned Outage	780.00	3	260.0
852371	7/21/2011	Planned Outage	40.68	1	40.6
852375	7/21/2011	Planned Outage	939.95	3	313.3
852380	7/21/2011	Planned Outage	272.00	1	272.0
852387	7/21/2011	Planned Outage	119.27	2	59.6
852409	7/21/2011	Planned Outage	70.00	7	10.0
852499	7/22/2011	Planned Outage	1,589.03	13	122.2
852507	7/22/2011	Planned Outage	301.00	7	43.0

852547	7/22/2011	Planned Outage	26.90	1	26.90
852564	7/22/2011	Planned Outage	155.55	3	51.85
852568	7/22/2011	Planned Outage	26.73	1	26.73
852638	7/23/2011	Planned Outage	35.10	1	35.10
852650	7/23/2011	Planned Outage	68.42	1	68.42
852829	7/24/2011	Planned Outage	431.55	63	6.85
852881	7/24/2011	Planned Outage	1,451.67	26	55.83
852913	7/25/2011	Planned Outage	102.48	1	102.48
852918	7/25/2011	Planned Outage	97.83	1	97.83
852929	7/25/2011	Planned Outage	354.00	2	177.00
852932	7/25/2011	Planned Outage	839.33	40	20.98
852933	7/25/2011	Planned Outage	21.57	1	21.57
852934	7/25/2011	Planned Outage	95.15	1	95.15
852939	7/25/2011	Planned Outage	765.70	6	127.62
852942	7/25/2011	Planned Outage	8.97	1	8.97
852945	7/25/2011	Planned Outage	745.33	40	18.63
852946	7/25/2011	Planned Outage	474.28	13	36.48
852949	7/25/2011	Planned Outage	92.45	3	30.82
852961	7/25/2011	Planned Outage	6.00	1	6.00
852962	7/25/2011	Planned Outage	14.23	2	7.12
852964	7/25/2011	Planned Outage	122.33	1	122.33
852965	7/25/2011	Planned Outage	1,222.40	192	6.37
852968	7/25/2011	Planned Outage	3.00	1	3.00
853067	7/25/2011	Planned Outage	308.73	4	77.18
853129	7/26/2011	Planned Outage	18,939.30	291	65.08
853182	7/26/2011	Planned Outage	372.08	25	14.88
853239	7/26/2011	Planned Outage	60.70	6	10.12
853249	7/26/2011	Planned Outage	140.00	4	35.00
853292	7/27/2011	Planned Outage	47.98	1	47.98
853300	7/27/2011	Planned Outage	88.93	2	44.47
853305	7/27/2011	Planned Outage	270.25	3	90.08
853317	7/27/2011	Planned Outage	400.40	3	133.47
853325	7/27/2011	Planned Outage	410.30	6	68.38
853327	7/27/2011	Planned Outage	244.58	5	48.92
853340	7/27/2011	Planned Outage	243.00	15	16.20
853342	7/27/2011	Planned Outage	787.60	12	65.63
853375	7/27/2011	Planned Outage	126.25	3	42.08
853440	7/27/2011	Planned Outage	1,617.20	6	269.53
853446	7/27/2011	Planned Outage	126.00	7	18.00
853458	7/27/2011	Planned Outage	9.97	1	9.97
853507	7/27/2011	Planned Outage	1,642.83	10	164.28

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853515	7/27/2011	Planned Outage	154.10	1	154.10
853552	7/27/2011	Planned Outage	10.70	1	10.70
853599	7/28/2011	Planned Outage	10.77	1	10.77
853602	7/28/2011	Planned Outage	268.00	2	134.00
853605	7/28/2011	Planned Outage	38.90	3	12.97
853703	7/28/2011	Planned Outage	70.05	3	23.35
853704	7/28/2011	Planned Outage	22.98	1	22.98
853705	7/28/2011	Planned Outage	24.05	1	24.05
853747	7/29/2011	Planned Outage	136.32	1	136.32
853752	7/29/2011	Planned Outage	5,252.40	27	194.53
853757	7/29/2011	Planned Outage	207.50	6	34.58
853769	7/29/2011	Planned Outage	204.50	3	68.17
853778	7/29/2011	Planned Outage	134.63	]	134.63
853779	7/29/2011	Planned Outage	73.80	6	12.30
853780	7/29/2011	Planned Outage	130.07	1	130.07
853782	7/29/2011	Planned Outage	476.00	14	34.00
853789	7/29/2011	Planned Outage	66.60	6	11.10
853838	7/29/2011	Planned Outage	1,038.00	6	173.00
853848	7/29/2011	Planned Outage	13,350.00	150	89.00
854077	8/1/2011	Planned Outage	71.97	2	35.98
854088	8/1/2011	Planned Outage	39,566.30	140	282.62
854103	8/1/2011	Planned Outage	43.00	]	43.00
854110	8/1/2011	Planned Outage	62.75	5	12.55
854111	8/1/2011	Planned Outage	142.40	6	23.73
854112	8/1/2011	Planned Outage	5,508.53	104	52.97
854149	8/1/2011	Planned Outage	780.00	26	30.00
854153	8/1/2011	Planned Outage	207.70	2	103.85
854279	8/1/2011	Planned Outage	96.27	16	6.02
854280	8/1/2011	Planned Outage	606.00	101	6.00
854451	8/2/2011	Planned Outage	468.00	3	156.00
854452	8/2/2011	Planned Outage	31.00	1	31.00
854454	8/2/2011	Planned Outage	113.28	1	113.28
854469	8/2/2011	Planned Outage	70.00	2	35.00
854473	8/2/2011	Planned Outage	228.00	3	76.00
854475	8/2/2011	Planned Outage	340.87	2	170.43
854480	8/2/2011	Planned Outage	39.63	2	19.82
854487	8/2/2011	Planned Outage	619.30	2	309:65
854488	8/2/2011	Planned Outage	215.32	1	215.32
854564	8/3/2011	Planned Outage	510.95	3	170.32
854567	8/3/2011	Planned Outage	890.00	10	89.00
854568	8/3/2011	Planned Outage	93.00	1	93.00

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854572	8/3/2011	Planned Outage	747.10	2	373.55
854573	8/3/2011	Planned Outage	373.03		373.03
854575	8/3/2011	Planned Outage	37,570.00	85	442.00
854577	8/3/2011	Planned Outage	135.90	2	67.95
854582	8/3/2011	Planned Outage	90.32		90.32
854614	8/3/2011	Planned Outage	233.47	8	29.18
854654	8/3/2011	Planned Outage	471.30	3	157.10
854685	8/4/2011	Planned Outage	697.33	4	174.33
854695	8/4/2011	Planned Outage	426.00	2	213.00
854697	8/4/2011	Planned Outage	90.40	2	45.20
854703	8/4/2011	Planned Outage	215.47	2	107.73
854707	8/4/2011	Planned Outage	86.50	1	86.50
854708	8/4/2011	Planned Outage	1,113.23	7	159.03
854714	8/4/2011	Planned Outage	338.67	1	338.67
854718	8/4/2011	Planned Outage	83.40	4	20.85
854744	8/4/2011	Planned Outage	37.67	2	18.83
854745	8/4/2011	Planned Outage	370.00		370.00
854747	8/4/2011	Planned Outage	17.28		17.28
854753	8/4/2011	Planned Outage	235.67	5	47.13
854923	8/5/2011	Planned Outage	3,370.00	10	337.00
854943	8/5/2011	Planned Outage	277.60	1	277.60
854949	8/5/2011	Planned Outage	114.00	4	28.50
854955	8/5/2011	Planned Outage	16,744.00	299	56.00
855040	8/5/2011	Planned Outage	91.77	1	91.77
855076	8/6/2011	Planned Outage	21,753.20	119	182.80
855222	8/7/2011	Planned Outage	508.30	1	508.30
855456	8/8/2011	Planned Outage	129.15	1	129.15
855457	8/8/2011	Planned Outage	127.50	1	127.50
855461	8/8/2011	Planned Outage	885.00	5	177.00
855467	8/8/2011	Planned Outage	322.00	4	80.50
855470	8/8/2011	Planned Outage	238.80	2	119.40
855472	8/8/2011	Planned Outage	785.17	5	157.03
855473	8/8/2011	Planned Outage	8,614.93	58	148.53
855488	8/8/2011	Planned Outage	35.55	1	35.55
855494	8/8/2011	Planned Outage	70.40	4	17.60
855495	8/8/2011	Planned Outage	871.73	14	62.27
855502	8/8/2011	Planned Outage	81.27	4	20.32
855531	8/8/2011	Planned Outage	413.87	4	103.47
855537	8/8/2011	Planned Outage	303.97	2	151.98
855595	8/8/2011	Planned Outage	9,753.18	29	336.00
855618	8/8/2011	Planned Outage	850.42	13	65.42

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855622	8/8/2011	Planned Outage	610.65	27	22.62
855660	8/9/2011	Planned Outage	401.60	4	100.40
855665	8/9/2011	Planned Outage	393.00	6	65.50
855669	8/9/2011	Planned Outage	609.00	3	203.00
855670	8/9/2011	Planned Outage	99.00	9	11.00
855672	8/9/2011	Planned Outage	516.00	3	172.00
855673	8/9/2011	Planned Outage	154.13	1	154.13
855674	8/9/2011	Planned Outage	154.00	1	154.00
855689	8/9/2011	Planned Outage	106.37	1	106.37
855694	8/9/2011	Planned Outage	140.67	5	28.13
855696	8/9/2011	Planned Outage	93.30	1	93.30
855708	8/9/2011	Planned Outage	986.00	17	58.00
855710	8/9/2011	Planned Outage	71.00	1	71.00
855711	8/9/2011	Planned Outage	123.27	2	61.63
855713	8/9/2011	Planned Outage	1,122.00	34	33.00
855717	8/9/2011	Planned Outage	957.00	33	29.00
855718	8/9/2011	Planned Outage	213.60	8	26.70
855719	8/9/2011	Planned Outage	160.30	6	26.72
855724	8/9/2011	Planned Outage	78.67	2	39.33
855727	8/9/2011	Planned Outage	38.05	3	12.68
855728	8/9/2011	Planned Outage	223.13	2	111.57
855732	8/9/2011	Planned Outage	83.13	4	20.78
855736	8/9/2011	Planned Outage	593.27	4	148.32
855737	8/9/2011	Planned Outage	234.40	2	117.20
855739	8/9/2011	Planned Outage	117.12	1	117.12
855743	8/9/2011	Planned Outage	12.00	1	12.00
855751	8/9/2011	Planned Outage	55.00	2	27.50
855755	8/9/2011	Planned Outage	264.00	6	44.00
855756	8/9/2011	Planned Outage	36.00	1	36.00
855763	8/9/2011	Planned Outage	4,622.80	28	165.10
855769	8/9/2011	Planned Outage	96.30	9	10.70
855775	8/9/2011	Planned Outage	31.87	1	31.87
855776	8/9/2011	Planned Outage	47.75	I	47.75
855778	8/9/2011	Planned Outage	57.57	2	28.78
855781	8/9/2011	Planned Outage	17.10	]	17.10
855784	8/9/2011	Planned Outage	91.93	14	6.57
855785	8/9/2011	Planned Outage	3.23	1	3.23
855787	8/9/2011	Planned Outage	193.63	1	193.63
855990	8/10/2011	Planned Outage	92.45	1	92.45
856029	8/10/2011	Planned Outage	603.92	5	120.78
856044	8/10/2011	Planned Outage	101.80	4	25.45

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856078	8/10/2011	Planned Outage	9.83	2	4.92
856085	8/10/2011	Planned Outage	73.67	2	36.83
856087	8/10/2011	Planned Outage	344.73	2	172.37
856094	8/10/2011	Planned Outage	1 <b>77.7</b> 7	2	88.88
856132	8/10/2011	Planned Outage	385.00	77	5,00
856182	8/11/2011	Planned Outage	88.00	1	88.00
856196	8/11/2011	Planned Outage	352.67	2	176.33
856198	8/11/2011	Planned Outage	10.00	1	10.00
856203	8/11/2011	Planned Outage	635.20	2	317.60
856216	8/11/2011	Planned Outage	416.00	4	104.00
856222	8/11/2011	Planned Outage	32.73	1	32.7 <u>3</u>
856524	8/12/2011	Planned Outage	193.60	4	48.40
856528	8/12/2011	Planned Outage	220.00	4	55.00
856534	8/12/2011	Planned Outage	55.87	4	13.97
856572	8/12/2011	Planned Outage	15.25	1	15.25
856892	8/13/2011	Planned Outage	1,104.20	4	276.05
856925	8/13/2011	Planned Outage	703.27	4	175.82
856963	8/14/2011	Planned Outage	29.62	1	29.62
856964	8/14/2011	Planned Outage	26.20	1	26.20
856982	8/14/2011	Planned Outage	13.25	1	13.25
857035	8/15/2011	Planned Outage	332.87	]	332.87
857039	8/15/2011	Planned Outage	4,842.00	27	179.33
857053	8/15/2011	Planned Outage	500.27	4	125.07
857080	8/15/2011	Planned Outage	493.90	2	246.95
857082	8/15/2011	Planned Outage	175.47	2	87.73
857098	8/15/2011	Planned Outage	500.00	4	125.00
857108	8/15/2011	Planned Outage	159.13	2	79.57
857118	8/15/2011	Planned Outage	41.35	3	13.78
857119	8/15/2011	Planned Outage	83.50	6	13.92
857131	8/15/2011	Planned Outage	501.87	4	125.47
857168	8/16/2011	Planned Outage	133.47	1	133.47
857172	8/16/2011	Planned Outage	526.13	4	131.53
857174	8/16/2011	Planned Outage	1,350.65	17	79.45
857179	8/16/2011	Planned Outage	76.57	2	38.28
857180	8/16/2011	Planned Outage	3,509.00	121	29.00
857187	8/16/2011	Planned Outage	381.75	3	127.25
857192	8/16/2011	Planned Outage	358.10	]	358.10
857196	8/16/2011	Planned Outage	349.25	1	349.25
857206	8/16/2011	Planned Outage	2,261.00	19	119.00
857216	8/16/2011	Planned Outage	178.23	1	178.23
857217	8/16/2011	Planned Outage	177.93	1	177.93

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857232	8/16/2011	Planned Outage	74.73	4	18.68
857245	8/16/2011	Planned Outage	34.00	2	17.00
857254	8/16/2011	Planned Outage	210.87	1	210.87
857257	8/16/2011	Planned Outage	176.35	1	176.35
857276	8/16/2011	Planned Outage	819.00	9	91.00
857277	8/16/2011	Planned Outage	633.80	3	211.27
857281	8/16/2011	Planned Outage	184.00	4	46.00
857323	8/17/2011	Planned Outage	204.08	1	204.08
857328	8/17/2011	Planned Outage	254.20	1	254.20
857330	8/17/2011	Planned Outage	66.87	1	66.87
857331	8/17/2011	Planned Outage	471.73	2	235.87
857333	8/17/2011	Planned Outage	78.00	1	78.00
857338	8/17/2011	Planned Outage	524.00	4	131.00
<u>857</u> 339	8/17/2011	Planned Outage	396.00	11	36.00
857343	8/17/2011	Planned Outage	319.77	1	319.77
857345	8/17/2011	Planned Outage	285.00	5	57.00
857346	8/17/2011	Planned Outage	168.40	1	168.40
857353	8/17/2011	Planned Outage	254.00	1	254.00
857357	8/17/2011	Planned Outage	500.63	2	250.32
857361	8/17/2011	Planned Outage	82.80	4	20.70
857380	8/17/2011	Planned Outage	128.08	1	128.08
857383	8/17/2011	Planned Outage	120.00	4	30.00
857388	8/17/2011	Planned Outage	678.00	3	226.00
857389	8/17/2011	Planned Outage	75.37	1	75.37
857390	8/17/2011	Planned Outage	160.30	1	160.30
857408	8/17/2011	Planned Outage	22.00	1	22.00
857416	8/17/2011	Planned Outage	32.00	3	10.67
857441	8/18/2011	Planned Outage	352.87	4	88.22
857442	8/18/2011	Planned Outage	147.60	3	49.20
857446	8/18/2011	Planned Outage	13.48	1	13.48
857452	8/18/2011	Planned Outage	384.92	5	76.98
857453	8/18/2011	Planned Outage	196.00	2	98.00
857454	8/18/2011	Planned Outage	440.30	6	73.38
857455	8/18/2011	Planned Outage	306.60	4	76.65
857458	8/18/2011	Planned Outage	98.42	5	19.68
857459	8/18/2011	Planned Outage	76.82	1	76.82
857460	8/18/2011	Planned Outage	63.40	4	15.85
857462	8/18/2011	Planned Outage	1,582.47	28	64.35
857463	8/18/2011	Planned Outage	387.80	3	<u>129.00</u>
857464	8/18/2011	Planned Outage	22.07	J	22.07
857465	8/18/2011	Planned Outage	584.00	4	146.00

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857466	8/18/2011	Planned Outage	2,323.00	23	101.00
857467	8/18/2011	Planned Outage	150.00	3	50.00
857468	8/18/2011	Planned Outage	113.00	1	113.00
857471	8/18/2011	Planned Outage	496.65	7	70.95
857473	8/18/2011	Planned Outage	134.83	2	67.42
857475	8/18/2011	Planned Outage	15.15	3	5.05
857485	8/18/2011	Planned Outage	256.23	2	128.12
857486	8/18/2011	Planned Outage	18.00	3	6.00
857487	8/18/2011	Planned Outage	67.30	3	22.43
857488	8/18/2011	Planned Outage	1,132.30	26	43.55
857511	8/18/2011	Planned Outage	173.90	6	29.00
857512	8/18/2011	Planned Outage	463.73	16	28.98
857516	8/18/2011	Planned Outage	22.00	11	2.00
857519	8/18/2011	Planned Outage	1,012.00	ΙI	92.00
857533	8/18/2011	Planned Outage	15.47	4	3.87
857535	8/18/2011	Planned Outage	82.50	11	7.50
857536	8/18/2011	Planned Outage	2,186.07	22	99.3
857575	8/19/2011	Planned Outage	539.00	5	107.80
857751	8/19/2011	Planned Outage	954.00	6	159.00
857753	8/19/2011	Planned Outage	742.80	6	123.8
857756	8/19/2011	Planned Outage	2,202.60	18	122.3
857766	8/19/2011	Planned Outage	183.95	3	61.3
857781	8/19/2011	Planned Outage	21.90	1	21.90
857782	8/19/2011	Planned Outage	2,033.53	44	46.23
857812	8/19/2011	Planned Outage	264.40	3	88.1
857867	8/20/2011	Planned Outage	117.70	3	39.2
857961	8/21/2011	Planned Outage	831.00	12	69.2
857968	8/21/2011	Planned Outage	352.65	9	39.1
858102	8/22/2011	Planned Outage	216.60	2	108.3
858121	8/22/2011	Planned Outage	88.75		88.7
858138	8/22/2011	Planned Outage	52.00	2	26.0
858139	8/22/2011	Planned Outage	389.15	3	129.7
858145	8/22/2011	Planned Outage	8.90	1	8,9
858152	8/22/2011	Planned Outage	476.57	17	28.0
858160	8/22/2011	Planned Outage	228.00	228	1.0
858188	8/22/2011	Planned Outage	188.23	223	94.1
858191	8/22/2011	Planned Outage	524.00	4	131.00
858192	8/22/2011	Planned Outage	14,266.70	64	222.9
858329	8/22/2011	Planned Outage	92.90	2	46.4
858349	8/22/2011	Planned Outage	212.40	36	5.90
858370	8/23/2011	Planned Outage	875.00	5	175.00

	0.000.000		100.10		400.40
858374	8/23/2011	Planned Outage	409.40		409.40
858377	8/23/2011	Planned Outage	162.00	2	81.00
858385	8/23/2011	Planned Outage	163.37	2	81.68
858394	8/23/2011	Planned Outage	600.00	4	150.00
858402	8/23/2011	Planned Outage	131.00	1	131.00
858410	8/23/2011	Planned Outage	176.65	1	176.65
858415	8/23/2011	Planned Outage	24,082.10	64	376.28
858418	8/23/2011	Planned Outage	2,723.40	51	53.40
858422	8/23/2011	Planned Outage	11,804.00	65	181.60
858427	8/23/2011	Planned Outage	295.42	1	295.42
858429	8/23/2011	Planned Outage	16,181.50	51	317.28
858495	8/24/2011	Planned Outage	35.00	1	35.00
858496	8/24/2011	Planned Outage	404.50	6	67.42
858497	8/24/2011	Planned Outage	264.07	4	66.02
858501	8/24/2011	Planned Outage	144.00	1	144.00
858502	8/24/2011	Planned Outage	148.37	1	148.37
858503	8/24/2011	Planned Outage	259.30	3	86.43
858504	8/24/2011	Planned Outage	210.45	1	210.45
858507	8/24/2011	Planned Outage	17,839.80	51	349.80
858514	8/24/2011	Planned Outage	784.60	12	65.38
858525	8/24/2011	Planned Outage	158.80	4	39.70
858526	8/24/2011	Planned Outage	3,787.33	230	16.47
858548	8/24/2011	Planned Outage	186.63	2	93.32
858555	8/24/2011	Planned Outage	695.40	228	3.05
858566	8/24/2011	Planned Outage	686.47	14	49.03
858866	8/25/2011	Planned Outage	97.00	1	97.00
858872	8/25/2011	Planned Outage	350.00	5	70.00
858879	8/25/2011	Planned Outage	588.00	4	147.00
858888	8/25/2011	Planned Outage	5,229.00	63	83.00
858897	8/25/2011	Planned Outage	315.00	5	63.00
858920	8/25/2011	Planned Outage	2,191.00	7	313.00
858929	8/25/2011	Planned Outage	75.43	1	75.43
858976	8/26/2011	Planned Outage	684.00	6	114.00
858983	8/26/2011	Planned Outage	18.90	3	6.30
858996	8/26/2011	Planned Outage	116.90	1	116.90
858998	8/26/2011	Planned Outage	15.30	3	5.10
859021	8/26/2011	Planned Outage	4,191.67	2515	1.67
859042	8/26/2011	Planned Outage	241.80	4	60.45
859190	8/28/2011	Planned Outage	529.47	38	13.93
859201	8/28/2011	Planned Outage	407.23	38	10.72
859216	8/28/2011	Planned Outage	1,022.00	14	73.00

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859257	8/29/2011	Planned Outage	32.35	1	32.35
859291	8/29/2011	Planned Outage	349.90	2	174.95
859312	8/29/2011	Planned Outage	81.58	5	16.32
859317	8/29/2011	Planned Outage	619.93	4	154.98
859322	8/29/2011	Planned Outage	13.00	ī	13.00
859330	8/29/2011	Planned Outage	52.40	4	13.10
859367	8/30/2011	Planned Outage	41.12	1	41.12
859368	8/30/2011	Planned Outage	387.15	9	43.02
859369	8/30/2011	Planned Outage	560.00	2	280.00
859371	8/30/2011	Planned Outage	356.10	2	178.05
859383	8/30/2011	Planned Outage	26.77	2	13.38
859412	8/30/2011	Planned Outage	337.00	3	112.33
859422	8/30/2011	Planned Outage	26,323.00	165	159.53
859430	8/30/2011	Planned Outage	313.05	9	34.78
859431	8/30/2011	Planned Outage	42.50	1	42.50
859434	8/30/2011	Planned Outage	149.13	4	37.28
859449	8/30/2011	Planned Outage	3,071.28	127	24.18
859470	8/31/2011	Planned Outage	196.60	3	65.53
859476	8/31/2011	Planned Outage	3,993.00	33	121.00
859485	8/31/2011	Planned Outage	65.93	1	65.93
859488	8/31/2011	Planned Outage	215.47	4	53.87
859490	8/31/2011	Planned Outage	143.67	4	35.92
859498	8/31/2011	Planned Outage	979.67	2	489.83
859500	8/31/2011	Planned Outage	39.37	2	19.68
859501	8/31/2011	Planned Outage	240.00	4	60.00
859502	8/31/2011	Planned Outage	46.00	1	46.00
859508	8/31/2011	Planned Outage	52.60	4	13.15
859509	8/31/2011	Planned Outage	280.00	4	70.00
859513	8/31/2011	Planned Outage	384.00	4	96.00
859518	8/31/2011	Planned Outage	275.93	4	68.98
859520	8/31/2011	Planned Outage	239.60	12	19.97
859522	8/31/2011	Planned Outage	79.87	4	19.97
859524	8/31/2011	Planned Outage	166.00	1	166.00
859525	8/31/2011	Planned Outage	136.53	4	34.13
859529	8/31/2011	Planned Outage	76.55	3	25.52
859530	8/31/2011	Planned Outage	48.00	2	24.00
859532	8/31/2011	Planned Outage	69.00	3	23.00
859574	8/31/2011	Planned Outage	465.97	2	232.98
859615	8/31/2011	Planned Outage	28.00	1	28.00
859664	9/1/2011	Planned Outage	249.05	3	83.02
859671	9/1/2011	Planned Outage	32.60	3	10.87

859681	9/1/2011	Planned Outage	102.67	4	25.67
859689	9/1/2011	Planned Outage	9.82	1	9.82
859692	9/1/2011	Planned Outage	252.00	4	63.00
859712	9/1/2011	Planned Outage	80.37	1	80.37
859720	9/1/2011	Planned Outage	17.47	4	4.37
859782	9/2/2011	Planned Outage	139.90	3	46.63
859817	9/2/2011	Planned Outage	173.58	1	173.58
859818	9/2/2011	Planned Outage	163.15	1	163.15
859858	9/2/2011	Planned Outage	184.20	3	61.40
860281	9/3/2011	Planned Outage	65,929.60	192	343.38
860477	9/3/2011	Planned Outage	79.00	1	79.00
860732	9/4/2011	Planned Outage	24.83	10	2.48
864395	9/6/2011	Planned Outage	710.27	4	177.57
864595	9/6/2011	Planned Outage	181.40	12	15.12
864760	9/6/2011	Planned Outage	14,438.30	100	144.38
865043	9/7/2011	Planned Outage	458.30	6	76.38
865052	9/7/2011	Planned Outage	761.20	8	95.15
865083	9/7/2011	Planned Outage	1,778.00	7	254.00
865087	9/7/2011	Planned Outage	3,639.60	81	44.93
865140	9/7/2011	Planned Outage	3,538.00	29	122.00
865186	9/8/2011	Planned Outage	935.00	17	55.00
865190	9/8/2011	Planned Outage	2,303.53	109	21.13
865191	9/8/2011	Planned Outage	480.67	2	240.33
865192	9/8/2011	Planned Outage	27.70	3	9.23
865197	9/8/2011	Planned Outage	1,755.00	60	29.25
865200	9/8/2011	Planned Outage	113.70	2	56.85
865202	9/8/2011	Planned Outage	83.12	1	83.12
865203	9/8/2011	Planned Outage	1,572.70	6	262.00
865204	9/8/2011	Planned Outage	1,310.58	5	262.00
865207	9/8/2011	Planned Outage	153,40	2	76.70
865214	9/8/2011	Planned Outage	8.52	1	8.52
865278	9/8/2011	Planned Outage	6,646.40	268	24.80
865302	9/8/2011	Planned Outage	596.98	17	35.12
865307	9/8/2011	Planned Outage	271.05	13	20.85
865314	9/8/2011	Planned Outage	213.97	14	15.28
865384	9/9/2011	Planned Outage	159.27	1	159.2
865387	9/9/2011	Planned Outage	1,095.62	7	156.52
865402	9/9/2011	Planned Outage	2,928.33	20	146.4
865406	9/9/2011	Planned Outage	63.00	3	21.00
865428	9/9/2011	Planned Outage	55.03	1	55.02
865430	9/9/2011	Planned Outage	23.10	2	11.55

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865433	9/9/2011	Planned Outage	375.07	4	93.73
865447	9/9/2011	Planned Outage	263.53	4	65.88
865506	9/9/2011	Planned Outage	165.07	4	41.27
865628	9/10/2011	Planned Outage	36.80	2	18.4(
865643	9/11/2011	Planned Outage	243.00	1	243.00
865708	9/12/2011	Planned Outage	120.23	1	120.23
865710	9/12/2011	Planned Outage	882.80	3	294.2
865719	9/12/2011	Planned Outage	13,367.90	91	146.90
865721	9/12/2011	Planned Outage	1,447.75	5	289.5
865731	9/12/2011	Planned Outage	35.72	1	35.7
865746	9/12/2011	Planned Outage	62.62	1	62.6
865749	9/12/2011	Planned Outage	292.20	3	97.4
865754	9/12/2011	Planned Outage	48.95	1	48.9
865756	9/12/2011	Planned Outage	2,827.25	43	65.7
865762	9/12/2011	Planned Outage	305.78	7	43.6
865767	9/12/2011	Planned Outage	277.90	3	92.6
865787	9/12/2011	Planned Outage	1,827.17	10	182.7
865789	9/12/2011	Planned Outage	1,351.60	8	168.9
865822	9/12/2011	Planned Outage	181.10	3	60.3
865827	9/12/2011	Planned Outage	484.00	2	_242.0
865829	9/12/2011	Planned Outage	175.00	5	35.0
865830	9/12/2011	Planned Outage	315.52	11	28.6
865832	9/12/2011	Planned Outage	214.50	2	107.2
865834	9/12/2011	Planned Outage	197.50	2	98.7
865836	9/12/2011	Planned Outage	87.48	1	87.4
865849	9/12/2011	Planned Outage	498.50	15	33.2
865867	9/13/2011	Planned Outage	597.82	1	597.8
865875	9/13/2011	Planned Outage	241.80	4	60.4
865878	9/13/2011	Planned Outage	96,686.70	166	582.4
865884	9/13/2011	Planned Outage	145.33	]	145.3
865887	9/13/2011	Planned Outage	9,563.67	65	147.1
865890	9/13/2011	Planned Outage	11,428.10	41	278.7
865892	9/13/2011	Planned Outage	202.93	2	101.4
865893	9/13/2011	Planned Outage	86.07	4	21.5
865895	9/13/2011	Planned Outage	468.00	4	117.0
865898	9/13/2011	Planned Outage	90.48	1	90.4
865900	9/13/2011	Planned Outage	66.33	1	66.3
865907	9/13/2011	Planned Outage	208.30	3	69.4
865911	9/13/2011	Planned Outage	453.00	3	151.0
865912	9/13/2011	Planned Outage	5,126.80	24	213.6
865913	9/13/2011	Planned Outage	8.30	1	8.3
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065004	0/12/0011				
865924	9/13/2011	Planned Outage	191.20	3	63.73
865932	9/13/2011	Planned Outage	355.00	5	71.00
865947	9/13/2011	Planned Outage	498.17	10	49.82
865950	9/13/2011	Planned Outage	86.00	1	86.00
865954	9/13/2011	Planned Outage	848.00	5	169.60
866004	9/13/2011	Planned Outage	40.73	l_	40.73
866013	9/13/2011	Planned Outage	791.27	4	197.82
866038	9/14/2011	Planned Outage	798.00	7	114.00
866041	9/14/2011	Planned Outage	73.90	2	36.95
866043	9/14/2011	Planned Outage	73.70	3	24.57
866045	9/14/2011	Planned Outage	419.30	1	419.30
866046	9/14/2011	Planned Outage	72.43	1	72.43
866059	9/14/2011	Planned Outage	664.00	4	166.00
866075	9/14/2011	Planned Outage	131.93	1	131.93
866076	9/14/2011	Planned Outage	117.00	1	117.00
866089	9/14/2011	Planned Outage	240.00	4	60.00
866113	9/14/2011	Planned Outage	247.20	2	123.60
866116	9/14/2011	Planned Outage	34.83	1	34.83
866259	9/15/2011	Planned Outage	171.10		171.10
866262	9/15/2011	Planned Outage	104.00	52	2.00
866263	9/15/2011	Planned Outage	1,987.70	13	152.90
866264	9/15/2011	Planned Outage	1,252.00	4	313.00
866268	9/15/2011	Planned Outage	532.00	2	266.00
866272	9/15/2011	Planned Outage	59.00	1	59.00
866282	9/15/2011	Planned Outage	8.97	2	4.48
866283	9/15/2011	Planned Outage	8.22	1	8.22
866285	9/15/2011	Planned Outage	20.00	1	20.00
866375	9/16/2011	Planned Outage	33,467.60	372	89.97
866414	9/16/2011	Planned Outage	78.53	4	19.63
866416	9/16/2011	Planned Outage	100.63	1	100.63
866419	9/16/2011	Planned Outage	20.23	1	20.23
866443	9/16/2011	Planned Outage	127.33	1	127.33
866478	9/16/2011	Planned Outage	220.00	4	55.00
866569	9/18/2011	Planned Outage	108,434.00	717	151.23
866722	<b>9/19/20</b> 11	Planned Outage	68.97	2	34.48
866738	9/19/2011	Planned Outage	97.00	1	97.00
866742	9/19/2011	Planned Outage	182.57	2	91.28
866750	9/19/2011	Planned Outage	78.00	2	39.00
866752	9/19/2011	Planned Outage	60.33	2	30.17
866755	9/19/2011	Planned Outage	35.00	1	35.00
866756	9/19/2011	Planned Outage	60.00	5	12.00

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			02.00		21.00
866757	9/19/2011	Planned Outage	93.00	3	31.00
866772	9/19/2011	Planned Outage	278.30		278.30
866773	9/19/2011	Planned Outage	63.00	9	7.00
866774	9/19/2011	Planned Outage	390.00	5	78.00
866776	9/19/2011	Planned Outage	219.93	1	219.93
866781	9/19/2011	Planned Outage	1,210.30	13	93.10
866783	9/19/2011	Planned Outage	512.00	4	128.00
866790	9/19/2011	Planned Outage	193.97	1	193.97
866796	9/19/2011	Planned Outage	352.87	2	176.43
866797	9/19/2011	Planned Outage	194.00	2	97.00
866811	9/19/2011	Planned Outage	362.00	2	181.00
866843	9/19/2011	Planned Outage	22.10	1	22,10
866876	9/20/2011	Planned Outage	190.00	2	95.00
866935	9/20/2011	Planned Outage	2,329.00	17	137.00
866936	9/20/2011	Planned Outage	580.00	5	116.00
866937	9/20/2011	Planned Outage	882.00	18	49.00
866942	9/20/2011	Planned Outage	72.00	4	18.00
866945	9/20/2011	Planned Outage	105.00	I	105.00
866947	9/20/2011	Planned Outage	87.40	1	87.40
866948	9/20/2011	Planned Outage	87.23	1	87.23
866949	9/20/2011	Planned Outage	56.00	1	56.00
866952	9/20/2011	Planned Outage	3,711.60	54	68.73
866954	9/20/2011	Planned Outage	374.00	6	62.33
866955	9/20/2011	Planned Outage	32.00	2	16.00
866956	9/20/2011	Planned Outage	37.03	1	37.03
866966	9/20/2011	Planned Outage	54.00	1	54.00
866967	9/20/2011	Planned Outage	138.30	3	46.10
866969	9/20/2011	Planned Outage	48.00	4	12.00
866981	9/20/2011	Planned Outage	72.00	2	36.00
866986	9/20/2011	Planned Outage	172.40	3	57.47
867000	9/20/2011	Planned Outage	320.00	2	160.00
867004	9/20/2011	Planned Outage	62.00	2	31.00
867017	9/20/2011	Planned Outage	43.00	1	43.00
867053	9/21/2011	Planned Outage	14.42	1	14.42
867054	9/21/2011	Planned Outage	155.00	5	31.00
867064	9/21/2011	Planned Outage	33.00	1	33.00
867066	9/21/2011	Planned Outage	38.00	1	38.00
867070	9/21/2011	Planned Outage	32.00	1	32.00
867071	9/21/2011	Planned Outage	204.00	2	102.00
867073	9/21/2011	Planned Outage	154.00	2	77.00
867074	9/21/2011	Planned Outage	231.00	3	77.00

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867075	9/21/2011	Planned Outage	350.00	5	70.00
867076	9/21/2011	Planned Outage	172.40	4	43.10
867080	9/21/2011	Planned Outage	32.53	1	32.53
867082	9/21/2011	Planned Outage	380.00	2	190.00
867083	9/21/2011	Planned Outage	254.60	3	84.8
867085	9/21/2011	Planned Outage	76.00	2	38.00
867101	9/21/2011	Planned Outage	40.00	1	40.0
867107	9/21/2011	Planned Outage	64.00	2	32.0
867108	9/21/2011	Planned Outage	1,020.00	6	170.0
867111	9/21/2011	Planned Outage	345.00	5	69.0
867116	9/21/2011	Planned Outage	24.58	1	24.5
867140	9/21/2011	Planned Outage	210.00	6	35.0
867246	9/22/2011	Planned Outage	1,800.00	54	33.3
867268	9/22/2011	Planned Outage	42.67	1	42.6
867278	9/22/2011	Planned Outage	150.00	2	75.0
867373	9/22/2011	Planned Outage	67.00	2	33.5
867385	9/22/2011	Planned Outage	810.00	6	135.0
867414	9/23/2011	Planned Outage	335.20	4	83.8
867415	9/23/2011	Planned Outage	408.53	8	51.0
867416	9/23/2011	Planned Outage	84.65	I	84.6
867418	9/23/2011	Planned Outage	124.73	2	62.3
867422	9/23/2011	Planned Outage	39.80	2	19.9
867423	9/23/2011	Planned Outage	1,108.95	9	123.2
867431	9/23/2011	Planned Outage	224.00	16	14.0
867434	9/23/2011	Planned Outage	153.00	3	51.0
867435	9/23/2011	Planned Outage	226.33	2	113.1
867449	9/23/2011	Planned Outage	122.65	3	40.8
867453	9/23/2011	Planned Outage	134.87	7	19.2
867742	9/26/2011	Planned Outage	73.77	2	36.8
867747	9/26/2011	Planned Outage	690.00	5	138.0
867749	9/26/2011	Planned Outage	152.00	2	76.0
867750	9/26/2011	Planned Outage	90.00		15.0
867775	9/26/2011	Planned Outage	1,330.20	12	110.8
867776	9/26/2011	Planned Outage	25.00	1	25.0
867777	9/26/2011	Planned Outage	391.47	2	195.7
867778	9/26/2011	Planned Outage	149.00	1	149.(
867815	9/26/2011	Planned Outage	238.00	2	119.0
867855	9/26/2011	Planned Outage	1,329.25	15	88.6
867882	9/27/2011	Planned Outage	184.53	4	46.1
	9/27/2011	Planned Outage	19.00	1	19.0
867883		Planned Outage	266.60	4	66.6

867921         9/27/2011         Planned Outage         155.65         3         51.8           867943         9/27/2011         Planned Outage         300.00         3         100.0           867943         9/27/2011         Planned Outage         300.00         3         100.0           8667955         9/27/2011         Planned Outage         6,429.15         63         102.0           866806         9/28/2011         Planned Outage         20.4.00         12         17.0           868107         9/28/2011         Planned Outage         23.63         1         23.6           868177         9/28/2011         Planned Outage         2,255.25         15         150.3           868188         9/28/2011         Planned Outage         62.27         2         31.1           86823         9/29/2011         Planned Outage         19.928.00         94         212.0           868423         9/29/2011         Planned Outage         396.75         3         128.5           868430         9/29/2011         Planned Outage         364.07         2         182.0           868454         9/29/2011         Planned Outage         121.15         1         121.15	0,7007	0/07/2011	Discussed Outcom	534.00	2	267.00
867943         9/27/2011         Planned Outage         300.00         3         100.0           867955         9/27/2011         Planned Outage         6,429.15         63         102.0           868076         9/28/2011         Planned Outage         204.00         12         17.0           868108         9/28/2011         Planned Outage         20.30         2         25.1           868109         9/28/2011         Planned Outage         124.00         2         62.0           868198         9/28/2011         Planned Outage         62.27         2         31.1           868227         9/28/2011         Planned Outage         455.07         1         455.0           868423         9/29/2011         Planned Outage         386.75         3         128.5           868430         9/29/2011         Planned Outage         19,928.00         94         212.0           868447         9/29/2011         Planned Outage         364.75         3         128.5           868454         9/29/2011         Planned Outage         196.73         4         49.1           868454         9/29/2011         Planned Outage         121.15         1         21.15           868454	867897	9/27/2011	Planned Outage			
867955         9/27/2011         Planned Outage         6,429,15         63         102.0           868076         9/28/2011         Planned Outage         204.00         12         17.0           868108         9/28/2011         Planned Outage         204.00         12         17.0           868109         9/28/2011         Planned Outage         23.63         1         23.6           868198         9/28/2011         Planned Outage         2,255.25         15         150.3           868227         9/28/2011         Planned Outage         62.27         2         31.1           868282         9/28/2011         Planned Outage         1455.0         3         1282.6           868429         9/29/2011         Planned Outage         386.75         3         1282.6           868430         9/29/2011         Planned Outage         925.00         5         185.0           868447         9/29/2011         Planned Outage         166.73         4         49.1           868454         9/29/2011         Planned Outage         121.72         1         121.9           868459         9/29/2011         Planned Outage         121.95         1         121.9           8684						
868076         9/28/2011         Planned Outage         204.00         12         17.0           868108         9/28/2011         Planned Outage         50.30         2         25.1           868109         9/28/2011         Planned Outage         124.00         2         62.0           868177         9/28/2011         Planned Outage         124.00         2         62.0           868198         9/28/2011         Planned Outage         62.27         2         31.1           868227         9/28/2011         Planned Outage         455.07         1         455.0           868423         9/29/2011         Planned Outage         386.75         3         128.6           868430         9/29/2011         Planned Outage         925.00         5         185.0           868430         9/29/2011         Planned Outage         364.07         2         182.0           868454         9/29/2011         Planned Outage         364.07         2         182.0           868454         9/29/2011         Planned Outage         121.95         1         211.95           868454         9/29/2011         Planned Outage         121.95         1         21.0           868454						
868108         9/28/2011         Planned Outage         50.30         2         25.1           868109         9/28/2011         Planned Outage         124.00         2         62.0           868177         9/28/2011         Planned Outage         124.00         2         62.0           868198         9/28/2011         Planned Outage         62.27         2         31.1           868227         9/28/2011         Planned Outage         455.07         1         455.0           868423         9/29/2011         Planned Outage         19,928.00         94         212.0           868430         9/29/2011         Planned Outage         925.00         5         185.0           8684430         9/29/2011         Planned Outage         196.73         4         49.1           868454         9/29/2011         Planned Outage         121.05         1         121.1           868467         9/29/2011         Planned Outage         121.95         1         121.1           868469         9/29/2011         Planned Outage         164.07         2         43.0           868471         9/29/2011         Planned Outage         164.00         4         10.1           868470						
868109         9/28/2011         Planned Outage         23.63         1         23.6           868177         9/28/2011         Planned Outage         124.00         2         62.0           868198         9/28/2011         Planned Outage         2,255.25         15         150.3           868227         9/28/2011         Planned Outage         62.27         2         31.1           868282         9/28/2011         Planned Outage         455.07         1         455.0           868423         9/29/2011         Planned Outage         19,928.00         94         212.0           868429         9/29/2011         Planned Outage         386.75         3         128.5           868430         9/29/2011         Planned Outage         925.00         5         185.0           868447         9/29/2011         Planned Outage         63.42         1         63.42           868469         9/29/2011         Planned Outage         121.72         1         121.1           868470         9/29/2011         Planned Outage         121.72         1         121.5           868471         9/29/2011         Planned Outage         75.43         2         37.5           8686515<						**************************************
868177         9/28/2011         Planned Outage         124.00         2         62.0           868198         9/28/2011         Planned Outage         2,255.25         15         150.3           868227         9/28/2011         Planned Outage         62.27         2         31.1           868228         9/28/2011         Planned Outage         455.07         1         455.0           868423         9/29/2011         Planned Outage         386.75         3         128.5           868430         9/29/2011         Planned Outage         925.00         5         185.0           868447         9/29/2011         Planned Outage         63.42         1         63.42           868454         9/29/2011         Planned Outage         364.07         2         182.0           868469         9/29/2011         Planned Outage         121.72         1         121.1           868470         9/29/2011         Planned Outage         86.07         2         43.0           868471         9/29/2011         Planned Outage         75.43         2         37.           868515         9/29/2011         Planned Outage         75.43         2         37.           868524						-
868198         9/28/2011         Planned Outage         2,255.25         15         150.3           868227         9/28/2011         Planned Outage         62.27         2         31.1           868282         9/28/2011         Planned Outage         455.07         1         455.0           868282         9/29/2011         Planned Outage         19,928.00         94         212.0           868423         9/29/2011         Planned Outage         19,928.00         94         212.0           868430         9/29/2011         Planned Outage         196.73         4         49.1           868447         9/29/2011         Planned Outage         63.42         1         63.4           868467         9/29/2011         Planned Outage         364.07         2         182.0           868468         9/29/2011         Planned Outage         121.72         1         21.1           868470         9/29/2011         Planned Outage         86.07         2         43.0           868471         9/29/2011         Planned Outage         75.43         2         37.2           868515         9/29/2011         Planned Outage         75.43         2         37.2           8686524<						
868227         9/28/2011         Planned Outage         62.27         2         31.1           868282         9/28/2011         Planned Outage         455.07         1         455.0           868423         9/29/2011         Planned Outage         19,928.00         94         212.0           868423         9/29/2011         Planned Outage         19,928.00         94         212.0           868430         9/29/2011         Planned Outage         386.75         3         128.5           868447         9/29/2011         Planned Outage         925.00         5         185.0           868454         9/29/2011         Planned Outage         63.42         1         63.4           868467         9/29/2011         Planned Outage         121.95         1         121.5           868469         9/29/2011         Planned Outage         121.72         1         121.5           868470         9/29/2011         Planned Outage         164.00         4         41.0           868489         9/29/2011         Planned Outage         75.43         2         37.5           868521         9/29/2011         Planned Outage         261.47         4         65.5           868704<						62.00
868282         9/28/2011         Planned Outage         455.07         1         455.0           868423         9/29/2011         Planned Outage         19,928.00         94         212.0           868429         9/29/2011         Planned Outage         386.75         3         128.9           868430         9/29/2011         Planned Outage         925.00         5         185.0           868447         9/29/2011         Planned Outage         196.73         4         49.1           868454         9/29/2011         Planned Outage         63.42         1         63.4           868467         9/29/2011         Planned Outage         121.95         1         121.9           868469         9/29/2011         Planned Outage         121.72         1         121.7           868470         9/29/2011         Planned Outage         86.07         2         43.0           868489         9/29/2011         Planned Outage         75.43         2         37.           868515         9/29/2011         Planned Outage         75.43         2         37.           868524         9/29/2011         Planned Outage         261.47         4         65.           868704						150.35
868423         9/29/2011         Planned Outage         19,928.00         94         212.0           868429         9/29/2011         Planned Outage         386.75         3         128.5           868430         9/29/2011         Planned Outage         925.00         5         185.0           868447         9/29/2011         Planned Outage         196.73         4         49.1           868454         9/29/2011         Planned Outage         63.42         1         63.42           868467         9/29/2011         Planned Outage         364.07         2         182.0           868469         9/29/2011         Planned Outage         121.72         1         121.7           868470         9/29/2011         Planned Outage         86.07         2         43.0           868471         9/29/2011         Planned Outage         75.43         2         37.           868451         9/29/2011         Planned Outage         75.43         2         37.           868515         9/29/2011         Planned Outage         261.47         4         65.           86870         9/30/2011         Planned Outage         35.17         2         17.         39. <t< td=""><td>_</td><td></td><td></td><td></td><td>2</td><td>31.13</td></t<>	_				2	31.13
868429         9/29/2011         Planned Outage         386.75         3         128.9           868430         9/29/2011         Planned Outage         925.00         5         185.0           868447         9/29/2011         Planned Outage         196.73         4         49.1           868454         9/29/2011         Planned Outage         63.42         1         63.4           868467         9/29/2011         Planned Outage         364.07         2         182.0           868469         9/29/2011         Planned Outage         121.95         1         121.3           868470         9/29/2011         Planned Outage         121.72         1         121.7           868471         9/29/2011         Planned Outage         86.07         2         43.0           868489         9/29/2011         Planned Outage         75.43         2         37.7           868515         9/29/2011         Planned Outage         97.98         1         98.0           868524         9/29/2011         Planned Outage         261.47         4         65.7           868701         9/30/2011         Planned Outage         35.17         2         17.2           868716						455.07
868430         9/29/2011         Planned Outage         925.00         5         185.0           868447         9/29/2011         Planned Outage         196.73         4         49.1           868454         9/29/2011         Planned Outage         63.42         1         63.4           868467         9/29/2011         Planned Outage         364.07         2         182.0           868469         9/29/2011         Planned Outage         121.95         1         121.1           868470         9/29/2011         Planned Outage         121.72         1         121.7           868471         9/29/2011         Planned Outage         86.07         2         43.0           868489         9/29/2011         Planned Outage         164.00         4         41.0           868515         9/29/2011         Planned Outage         75.43         2         37.7           868521         9/29/2011         Planned Outage         97.98         1         98.0           868524         9/29/2011         Planned Outage         261.47         4         65.7           868705         9/30/2011         Planned Outage         35.17         2         17.7           868705	868423	9/29/2011				212.00
868447         9/29/2011         Planned Outage         196.73         4         49.1           868454         9/29/2011         Planned Outage         63.42         1         63.4           868467         9/29/2011         Planned Outage         364.07         2         182.0           868469         9/29/2011         Planned Outage         121.95         1         121.7           868470         9/29/2011         Planned Outage         121.72         1         121.7           868471         9/29/2011         Planned Outage         86.07         2         43.0           868489         9/29/2011         Planned Outage         164.00         4         41.0           868515         9/29/2011         Planned Outage         75.43         2         37.7           868521         9/29/2011         Planned Outage         97.98         1         98.0           868524         9/29/2011         Planned Outage         261.47         4         65.           868704         9/30/2011         Planned Outage         35.17         2         17.2           868705         9/30/2011         Planned Outage         342.77         7         48.5           8688716         <	868429	9/29/2011	Planned Outage	386.75	3	128.92
868454         9/29/2011         Planned Outage         63.42         1         63.4           868467         9/29/2011         Planned Outage         364.07         2         182.0           868469         9/29/2011         Planned Outage         121.95         1         121.7           868470         9/29/2011         Planned Outage         121.72         1         121.7           868471         9/29/2011         Planned Outage         86.07         2         43.0           868489         9/29/2011         Planned Outage         164.00         4         41.0           868515         9/29/2011         Planned Outage         75.43         2         37.           868521         9/29/2011         Planned Outage         97.98         1         98.0           868524         9/29/2011         Planned Outage         261.47         4         65.7           868701         9/30/2011         Planned Outage         35.17         2         17.7           868705         9/30/2011         Planned Outage         342.77         7         48.9           868716         9/30/2011         Planned Outage         104.20         1         104.2           868845         <	868430	9/29/2011	Planned Outage	925.00	5	185.00
868467         9/29/2011         Planned Outage         364.07         2         182.0           868469         9/29/2011         Planned Outage         121.95         1         121.3           868470         9/29/2011         Planned Outage         121.72         1         121.7           868471         9/29/2011         Planned Outage         86.07         2         43.0           868489         9/29/2011         Planned Outage         164.00         4         41.0           868515         9/29/2011         Planned Outage         75.43         2         37.7           868521         9/29/2011         Planned Outage         97.98         1         98.0           868524         9/29/2011         Planned Outage         42.77         1         42.7           868701         9/30/2011         Planned Outage         35.17         2         17.1           868705         9/30/2011         Planned Outage         342.77         7         48.9           868716         9/30/2011         Planned Outage         117.70         3         39.1           868845         10/1/2011         Planned Outage         117.70         3         39.1           868907         <	868447	9/29/2011	Planned Outage	196.73	4	49.18
868469         9/29/2011         Planned Outage         121.95         1         121.9           868470         9/29/2011         Planned Outage         121.72         1         121.7           868471         9/29/2011         Planned Outage         86.07         2         43.0           868489         9/29/2011         Planned Outage         164.00         4         41.0           868515         9/29/2011         Planned Outage         75.43         2         37.7           868521         9/29/2011         Planned Outage         97.98         1         98.0           868524         9/29/2011         Planned Outage         42.77         1         42.7           868701         9/30/2011         Planned Outage         35.17         2         17.1           868704         9/30/2011         Planned Outage         342.77         1         42.7           868705         9/30/2011         Planned Outage         104.20         1         104.2           868705         9/30/2011         Planned Outage         104.20         1         104.2           868705         9/30/2011         Planned Outage         104.20         1         104.2           868845	868454	9/29/2011	Planned Outage	63.42	1	63.42
868470         9/29/2011         Planned Outage         121.72         1         121.7           868471         9/29/2011         Planned Outage         86.07         2         43.0           868489         9/29/2011         Planned Outage         164.00         4         41.0           868489         9/29/2011         Planned Outage         75.43         2         37.7           868515         9/29/2011         Planned Outage         97.98         1         98.0           868524         9/29/2011         Planned Outage         42.77         1         42.7           868701         9/30/2011         Planned Outage         261.47         4         65.7           868705         9/30/2011         Planned Outage         35.17         2         17.7           868705         9/30/2011         Planned Outage         342.77         7         48.3           868716         9/30/2011         Planned Outage         342.77         7         48.5           868845         10/1/2011         Planned Outage         117.70         3         39.2           868907         10/3/2011         Planned Outage         4,187.70         54         77.2           869005	868467	9/29/2011	Planned Outage	364.07	2	182.03
868471         9/29/2011         Planned Outage         86.07         2         43.0           868489         9/29/2011         Planned Outage         164.00         4         41.0           868489         9/29/2011         Planned Outage         164.00         4         41.0           868515         9/29/2011         Planned Outage         75.43         2         37.7           868521         9/29/2011         Planned Outage         97.98         1         98.0           868524         9/29/2011         Planned Outage         42.77         1         42.7           868701         9/30/2011         Planned Outage         261.47         4         65.7           868705         9/30/2011         Planned Outage         35.17         2         17.2           868705         9/30/2011         Planned Outage         104.20         1         104.20           868716         9/30/2011         Planned Outage         342.77         7         48.9           868845         10/1/2011         Planned Outage         117.70         3         39.2           868907         10/3/2011         Planned Outage         4,187.70         54         77.2           869006	868469	9/29/2011	Planned Outage	121.95	1	121.95
868489         9/29/2011         Planned Outage         164.00         4         41.0           868515         9/29/2011         Planned Outage         75.43         2         37.           868521         9/29/2011         Planned Outage         97.98         1         98.0           868524         9/29/2011         Planned Outage         97.98         1         42.7           868524         9/29/2011         Planned Outage         42.77         1         42.7           868701         9/30/2011         Planned Outage         261.47         4         65.7           868704         9/30/2011         Planned Outage         35.17         2         17.5           868705         9/30/2011         Planned Outage         104.20         1         104.2           868716         9/30/2011         Planned Outage         117.70         3         39.7           868845         10/1/2011         Planned Outage         117.70         3         139.7           868907         10/3/2011         Planned Outage         4,187.70         54         77.7           869006         10/3/2011         Planned Outage         187.20         1         187.20           869005	868470	9/29/2011	Planned Outage	121.72	1	121.72
868515         9/29/2011         Planned Outage         75.43         2         37.           868521         9/29/2011         Planned Outage         97.98         1         98.0           868524         9/29/2011         Planned Outage         42.77         1         42.7           868524         9/29/2011         Planned Outage         261.47         4         65.7           868701         9/30/2011         Planned Outage         35.17         2         17.7           868705         9/30/2011         Planned Outage         104.20         1         104.3           868716         9/30/2011         Planned Outage         342.77         7         48.9           868845         10/1/2011         Planned Outage         117.70         3         39.7           868997         10/3/2011         Planned Outage         417.70         3         139.9           869001         10/3/2011         Planned Outage         11,156.50         782         14.7           869005         10/3/2011         Planned Outage         187.20         1         187.7           8690047         10/3/2011         Planned Outage         236.60         2         118.7           869049	868471	9/29/2011	Planned Outage	86.07	2	43.03
868521         9/29/2011         Planned Outage         97.98         1         98.0           868524         9/29/2011         Planned Outage         42.77         1         42.7           868701         9/30/2011         Planned Outage         261.47         4         65.7           868704         9/30/2011         Planned Outage         35.17         2         17.3           868705         9/30/2011         Planned Outage         104.20         1         104.2           868705         9/30/2011         Planned Outage         104.20         1         104.2           868706         9/30/2011         Planned Outage         342.77         7         48.9           868845         10/1/2011         Planned Outage         117.70         3         39.2           868897         10/3/2011         Planned Outage         417.70         3         139.2           869001         10/3/2011         Planned Outage         11,156.50         782         14.2           869005         10/3/2011         Planned Outage         187.20         1         187.2           8690047         10/3/2011         Planned Outage         236.60         2         118.2           869049	868489	9/29/2011	Planned Outage	164.00	4	41.00
8685249/29/2011Planned Outage42.77142.78687019/30/2011Planned Outage261.47465.78687049/30/2011Planned Outage35.17217.78687059/30/2011Planned Outage104.201104.78687059/30/2011Planned Outage104.201104.78687059/30/2011Planned Outage342.77748.98687169/30/2011Planned Outage342.77748.986884510/1/2011Planned Outage117.70339.186899710/3/2011Planned Outage417.703139.186900110/3/2011Planned Outage4,187.705477.186900610/3/2011Planned Outage11,156.5078214.186903510/3/2011Planned Outage187.201187.186904710/3/2011Planned Outage236.602118.186904910/3/2011Planned Outage826.004206.186905110/3/2011Planned Outage5,115.675159.186908410/3/2011Planned Outage389.932194.186909310/3/2011Planned Outage389.932194.1	868515	9/29/2011	Planned Outage	75.43	2	37.72
8687019/30/2011Planned Outage261.47465.38687049/30/2011Planned Outage35.17217.38687059/30/2011Planned Outage104.201104.38687169/30/2011Planned Outage342.77748.986884510/1/2011Planned Outage117.70339.386899710/3/2011Planned Outage417.703139.386900110/3/2011Planned Outage4,187.705477.386900610/3/2011Planned Outage11,156.5078214.386903510/3/2011Planned Outage187.201187.386904710/3/2011Planned Outage236.602118.386904910/3/2011Planned Outage487.05519.386905110/3/2011Planned Outage326.004206.386908410/3/2011Planned Outage5,115.675159.386909310/3/2011Planned Outage389.932194.3	868521	9/29/2011	Planned Outage	97.98	1	98.00
8687049/30/2011Planned Outage35.17217.38687059/30/2011Planned Outage104.201104.38687169/30/2011Planned Outage342.77748.986884510/1/2011Planned Outage117.70339.386899710/3/2011Planned Outage417.703139.386890710/3/2011Planned Outage4,187.705477.386900610/3/2011Planned Outage11,156.5078214.386903510/3/2011Planned Outage187.201187.386904710/3/2011Planned Outage236.602118.386904710/3/2011Planned Outage487.05519.386905110/3/2011Planned Outage5,115.675159.386908410/3/2011Planned Outage389.932194.386909310/3/2011Planned Outage389.932194.3	868524	9/29/2011	Planned Outage	42.77	1	42.77
868705         9/30/2011         Planned Outage         104.20         1         104.3           868716         9/30/2011         Planned Outage         342.77         7         48.9           868845         10/1/2011         Planned Outage         117.70         3         39.3           868845         10/3/2011         Planned Outage         117.70         3         139.3           868997         10/3/2011         Planned Outage         417.70         3         139.3           869001         10/3/2011         Planned Outage         4,187.70         54         77.3           869006         10/3/2011         Planned Outage         11,156.50         782         14.3           869035         10/3/2011         Planned Outage         187.20         1         187.3           869047         10/3/2011         Planned Outage         236.60         2         118.3           869049         10/3/2011         Planned Outage         487.05         51         9.3           869051         10/3/2011         Planned Outage         826.00         4         206.3           869084         10/3/2011         Planned Outage         5,115.67         515         9.3           86	868701	9/30/2011	Planned Outage	261.47	4	65.37
8687059/30/2011Planned Outage104.201104.38687169/30/2011Planned Outage342.77748.986884510/1/2011Planned Outage117.70339.386899710/3/2011Planned Outage417.703139.386900110/3/2011Planned Outage4,187.705477.386900610/3/2011Planned Outage11,156.5078214.386903510/3/2011Planned Outage187.201187.386904710/3/2011Planned Outage236.602118.386904910/3/2011Planned Outage487.05519.386905110/3/2011Planned Outage826.004206.386908410/3/2011Planned Outage5,115.675159.386909310/3/2011Planned Outage389.932194.3	868704	9/30/2011	Planned Outage	35.17	2	17.58
868716         9/30/2011         Planned Outage         342.77         7         48.9           868845         10/1/2011         Planned Outage         117.70         3         39.1           868897         10/3/2011         Planned Outage         417.70         3         139.1           869001         10/3/2011         Planned Outage         4,187.70         54         77.1           869006         10/3/2011         Planned Outage         4,187.70         54         77.1           869006         10/3/2011         Planned Outage         11,156.50         782         14.1           869035         10/3/2011         Planned Outage         187.20         1         187.1           869047         10/3/2011         Planned Outage         236.60         2         118.1           869049         10/3/2011         Planned Outage         487.05         51         9.1           869051         10/3/2011         Planned Outage         826.00         4         206.1           869084         10/3/2011         Planned Outage         5,115.67         515         9.1           869093         10/3/2011         Planned Outage         389.93         2         194.1		9/30/2011		104.20	1	104.20
868845         10/1/2011         Planned Outage         117.70         3         39.1           868997         10/3/2011         Planned Outage         417.70         3         139.1           869001         10/3/2011         Planned Outage         417.70         3         139.1           869001         10/3/2011         Planned Outage         4,187.70         54         77.1           869006         10/3/2011         Planned Outage         11,156.50         782         14.1           869035         10/3/2011         Planned Outage         187.20         1         187.1           869047         10/3/2011         Planned Outage         236.60         2         118.1           869049         10/3/2011         Planned Outage         487.05         51         9.1           869051         10/3/2011         Planned Outage         826.00         4         206.1           869084         10/3/2011         Planned Outage         5,115.67         515         9.1           869093         10/3/2011         Planned Outage         389.93         2         194.1	868716			342.77	7	48.97
868997         10/3/2011         Planned Outage         417.70         3         139.3           869001         10/3/2011         Planned Outage         4,187.70         54         77.3           869006         10/3/2011         Planned Outage         11,156.50         782         14.3           869035         10/3/2011         Planned Outage         187.20         1         187.3           869047         10/3/2011         Planned Outage         236.60         2         118.3           869049         10/3/2011         Planned Outage         487.05         51         9.3           869051         10/3/2011         Planned Outage         826.00         4         206.3           869051         10/3/2011         Planned Outage         5,115.67         515         9.3           869084         10/3/2011         Planned Outage         5,115.67         515         9.3           869093         10/3/2011         Planned Outage         389.93         2         194.3				· · · · · · · · · · · · · · · · · · ·	3	39.23
86900110/3/2011Planned Outage4,187.705477.86900610/3/2011Planned Outage11,156.5078214.86903510/3/2011Planned Outage187.201187.86904710/3/2011Planned Outage236.602118.86904910/3/2011Planned Outage487.05519.86905110/3/2011Planned Outage826.004206.86908410/3/2011Planned Outage5,115.675159.86909310/3/2011Planned Outage389.932194.		1		1		139.23
86900610/3/2011Planned Outage11,156.5078214.86903510/3/2011Planned Outage187.201187.86904710/3/2011Planned Outage236.602118.86904910/3/2011Planned Outage487.05519.86905110/3/2011Planned Outage826.004206.86908410/3/2011Planned Outage5,115.675159.86909310/3/2011Planned Outage389.932194.					54	77.55
86903510/3/2011Planned Outage187.201187.86904710/3/2011Planned Outage236.602118.86904910/3/2011Planned Outage487.05519.86905110/3/2011Planned Outage826.004206.86908410/3/2011Planned Outage5,115.675159.86909310/3/2011Planned Outage389.932194.		t				14.27
86904710/3/2011Planned Outage236.602118.386904910/3/2011Planned Outage487.05519.386905110/3/2011Planned Outage826.004206.386908410/3/2011Planned Outage5,115.675159.386909310/3/2011Planned Outage389.932194.3		1	· · · · · · · · · · · · · · · · · · ·			187.20
86904910/3/2011Planned Outage487.05519.86905110/3/2011Planned Outage826.004206.86908410/3/2011Planned Outage5,115.675159.86909310/3/2011Planned Outage389.932194.		j			2	118.30
869051         10/3/2011         Planned Outage         826.00         4         206.           869084         10/3/2011         Planned Outage         5,115.67         515         9.           869093         10/3/2011         Planned Outage         389.93         2         194.	····-	+				9.5
869084         10/3/2011         Planned Outage         5,115.67         515         9.           869093         10/3/2011         Planned Outage         389.93         2         194.						206.50
869093 10/3/2011 Planned Outage 389.93 2 194.				1		9.93
		<del> -</del>				194.9
					1	14.10
869098 10/3/2011 Planned Outage 79.45 1 79.					1	79.4
			1		24	79.72

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869111	10/3/2011	Planned Outage	3,913.87	26	150.53
869113	10/3/2011	Planned Outage	70.42	1	70.42
869114	10/3/2011	Planned Outage	276.33	4	69.08
869115	10/3/2011	Planned Outage	6,164.77	782	7.88
869146	10/3/2011	Planned Outage	282.30	2	141.15
869149	10/3/2011	Planned Outage	38.62	I	38.62
869150	10/3/2011	Planned Outage	32.75	3	10.92
869165	10/3/2011	Planned Outage	354.03	2	177.02
869236	10/4/2011	Planned Outage	92.40	1	92.40
869238	10/4/2011	Planned Outage	136.37	1	136.37
869241	10/4/2011	Planned Outage	200.35	1	200.35
869243	10/4/2011	Planned Outage	22,531.30	515	43.75
869307	10/4/2011	Planned Outage	3,492.25	61	57.25
869310	10/4/2011	Planned Outage	369.00	1	369.00
869312	10/4/2011	Planned Outage	291.15	9	32.35
869317	10/4/2011	Planned Outage	105.00	3	35.00
869326	10/4/2011	Planned Outage	41.75	3	13.92
869328	10/4/2011	Planned Outage	100.00	1	100.00
869334	10/4/2011	Planned Outage	180.00	5	36.00
869341	10/4/2011	Planned Outage	95.13	1	95.13
869342	10/4/2011	Planned Outage	214.77	2	107.38
869343	10/4/2011	Planned Outage	108.50	1	108.50
869353	10/4/2011	Planned Outage	32.43	2	16.22
869374	10/4/2011	Planned Outage	9,527.50	515	18.50
869376	10/4/2011	Planned Outage	2,272.05	17	133.65
869380	10/4/2011	Planned Outage	56.87	2	28.43
869382	10/4/2011	Planned Outage	176.42	1	176.42
869384	10/4/2011	Planned Outage	2,057.08	5	411.42
869400	10/4/2011	Planned Outage	241.50	2	120.75
869401	10/4/2011	Planned Outage	952.93	8	119.12
869410	10/4/2011	Planned Outage	1,189.05	9	132.12
869433	10/5/2011	Planned Outage	119.60	1	119.60
869452	10/5/2011	Planned Outage	154.00	14	11.00
869465	10/5/2011	Planned Outage	4,596.67	1970	2.33
869584	10/5/2011	Planned Outage	1,236.00	618	2.00
869605	10/5/2011	Planned Outage	17,598.20	58	303.42
869649	10/5/2011	Planned Outage	784.33	4	196.08
869653	10/5/2011	Planned Outage	508.70	3	169.57
869676	10/6/2011	Planned Outage	137,676.00	447	308.00
869715	10/6/2011	Planned Outage	243.10	6	40.52
869726	10/6/2011	Planned Outage	43.53	2	21.77

869731	10/6/2011	Planned Outage	990.00	6	165.00
869737	10/6/2011	Planned Outage	468.75	9	52.08
869741	10/6/2011	Planned Outage	1,280.25		47.00
869751	10/6/2011	Planned Outage	337.25	3	112.00
869762	10/6/2011	Planned Outage	100.30	2	50.15
869702	10/6/2011	Planned Outage	58.87		58.87
869773	10/6/2011	Planned Outage	295.20	3	98.40
869821	10/7/2011	Planned Outage	213.87	4	53.47
869826	10/7/2011	Planned Outage	215.87	5	5.77
869836	10/7/2011	Planned Outage	333.90	9	37.10
869840	10/7/2011	Planned Outage	16.30	3	5.43
869847	10/7/2011	Planned Outage	491.25	5	98.25
869850	10/7/2011	Planned Outage	88.80	4	22.20
869853	10/7/2011	Planned Outage	34.42		34.42
869856	10/7/2011	Planned Outage	16.40	2	8.20
869900	10/7/2011	Planned Outage	31.00	2	31.00
870024	10/8/2011	Planned Outage	1,251.00	417	3.00
870024	10/10/2011	Planned Outage	2,536.80	1008	2.52
870108	10/10/2011	Planned Outage	2,550.80	6	46.03
870138	10/10/2011	Planned Outage	46.63	2	23.32
870159	10/10/2011	Planned Outage	28.22	2	28.22
870152	10/10/2011	Planned Outage	363.17	2	181.58
870150	10/10/2011	Planned Outage	511.75	3	170.58
870139	10/10/2011	Planned Outage	2,834.93	16	170.58
870200	10/10/2011	Planned Outage	1,211.93	53	22.87
870200	10/10/2011	Planned Outage	551.37		32.43
870204	10/10/2011	Planned Outage	46.73	1	46.73
870212	10/10/2011	Planned Outage	91.58	 	91.58
			22.62	I	22.62
870240	10/10/2011 10/11/2011	Planned Outage	1	203	11.00
870272		Planned Outage Planned Outage	2,233.00 624.00	203	312.00
870349	10/11/2011	Planned Outage	2,422.67	8	302.83
870352	10/11/2011	Planned Outage	177.73	8	44.43
870356 870363	10/11/2011	Planned Outage	84.03		84.03
	10/11/2011	Planned Outage	1,421.75	141	10.08
870375				2	240.92
870387	10/11/2011	Planned Outage	481.83	2	240.92
870388	10/11/2011	Planned Outage	201.85	3	67.28
870406	10/11/2011	Planned Outage	417.40	3	139.13
870411	10/11/2011	Planned Outage	133.00		139.13
870414	10/11/2011	Planned Outage	63.03		63.03
870416	10/11/2011	Planned Outage	03.03	1	03.03

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870421	10/11/2011	Planned Outage	115.35	3	38.45
870448	10/12/2011	Planned Outage	1,000.00	10	100.00
870449	10/12/2011	Planned Outage	144.00	4	36.00
870454	10/12/2011	Planned Outage	312.00	2	156.00
870459	10/12/2011	Planned Outage	256.00	2	128.00
870468	10/12/2011	Planned Outage	122.93	16	7.68
870470	10/12/2011	Planned Outage	1,109.60	6	184.93
870472	10/12/2011	Planned Outage	108.57	2	54.28
870510	10/12/2011	Planned Outage	5,019.00	21	239.00
870518	10/12/2011	Planned Outage	9.05	1	9.05
870521	10/12/2011	Planned Outage	564.00	282	2.00
870570	10/12/2011	Planned Outage	172.87	2	86.43
870571	10/12/2011	Planned Outage	68.00	1	68.00
870576	10/12/2011	Planned Outage	94.87	2	47.43
870579	10/12/2011	Planned Outage	42.13	1	42.13
870581	10/12/2011	Planned Outage	156.43	2	78.22
870622	10/13/2011	Planned Outage	196.70	2	98.35
870629	10/13/2011	Planned Outage	31.00	1	31.00
870630	10/13/2011	Planned Outage	2,003.73	4	500.93
870633	10/13/2011	Planned Outage	217.07	8	27.13
870636	10/13/2011	Planned Outage	179.33	1	179.33
870639	10/13/2011	Planned Outage	464.75	3	154.92
870675	10/13/2011	Planned Outage	471.50	5	94.30
870676	10/13/2011	Planned Outage	851.25	9	94.58
870687	10/13/2011	Planned Outage	139.87	1	139.87
870691	10/13/2011	Planned Outage	101.85	3	33.95
870706	10/13/2011	Planned Outage	43.13	2	21.57
870963	10/14/2011	Planned Outage	38.85	1	38.85
870969	10/14/2011	Planned Outage	715.00	13	55.00
870970	10/14/2011	Planned Outage	57.00	1	57.00
870973	10/14/2011	Planned Outage	274.27	4	68.57
870977	10/14/2011	Planned Outage	1,703.00	13	131.00
870983	10/14/2011	Planned Outage	4.00	1	4.00
870984	10/14/2011	Planned Outage	256.50	3	85.50
870985	10/14/2011	Planned Outage	625.40	4	156.35
870987	10/14/2011	Planned Outage	26.92	1	26.92
870988	10/14/2011	Planned Outage	21.53	I	21.53
870997	10/14/2011	Planned Outage	630.00	5	126.00
871003	10/14/2011	Planned Outage	190.07	1	190.07
871004	10/14/2011	Planned Outage	377.83	2	188.92
871008	10/14/2011	Planned Outage	27.88	1	27.88

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871033	10/14/2011	Planned Outage	80.00	1	80.00
871035	10/14/2011	Planned Outage	5.78	1	5.78
871042	10/14/2011	Planned Outage	86.25	5	17.25
871047	10/14/2011	Planned Outage	5,261.07	218	24.13
871094	10/15/2011	Planned Outage	43.27	4	10.82
871135	10/15/2011	Planned Outage	365.25	1	365.25
871195	10/16/2011	Planned Outage	920.00	5	184.00
871287	10/16/2011	Planned Outage	24.10	2	12.05
871338	10/17/2011	Planned Outage	272.00	2	136.00
871363	10/17/2011	Planned Outage	571.17	5	114.23
871364	10/17/2011	Planned Outage	39.97	2	19.98
871365	10/17/2011	Planned Outage	20.73	1	20.73
871366	10/17/2011	Planned Outage	19.15	1	19.15
871367	10/17/2011	Planned Outage	267.92	25	10.72
871374	10/17/2011	Planned Outage	6,681.53	53	126.07
871376	10/17/2011	Planned Outage	404.80	4	101.20
871380	10/17/2011	Planned Outage	67.80	4	16.95
871384	10/17/2011	Planned Outage	68.43	1	68.43
871385	10/17/2011	Planned Outage	62.30	1	62.30
871386	10/17/2011	Planned Outage	49.92	1	49.92
871389	10/17/2011	Planned Outage	112.77	2	56.38
871420	10/17/2011	Planned Outage	42.85	1	42.85
871422	10/17/2011	Planned Outage	64.87	2	32.43
871423	10/17/2011	Planned Outage	30.05	1	30.05
871425	10/17/2011	Planned Outage	453.00	3	151.00
871428	10/17/2011	Planned Outage	731.00	17	43.00
871442	10/17/2011	Planned Outage	703.30	6	117.22
871445	10/17/2011	Planned Outage	54.20	3	18.07
871466	10/18/2011	Planned Outage	1,220.00	4	305.00
871469	10/18/2011	Planned Outage	1,034.00	11	94.00
871481	10/18/2011	Planned Outage	416.70	3	138.90
871482	10/18/2011	Planned Outage	235.00	5	47.00
871488	10/18/2011	Planned Outage	509.03	2	254.52
871493	10/18/2011	Planned Outage	240.62	1	240.62
871500	10/18/2011	Planned Outage	194.05	3	64.68
871520	10/18/2011	Planned Outage	50.00	5	10.00
871521	10/18/2011	Planned Outage	216.85	3	72.28
871522	10/18/2011	Planned Outage	72.18	1	72.18
871529	10/18/2011	Planned Outage	_57.40	3	19.13
871533	10/18/2011	Planned Outage	28.00	1	28.00
871596	10/18/2011	Planned Outage	95.17	10	9.52

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871608	10/18/2011	Planned Outage	35.75	1	35.75
871609	10/18/2011	Planned Outage	348.65	3	116.22
871621	10/18/2011	Planned Outage	298.77	1	298.77
871623	10/18/2011	Planned Outage	133.50	5	26.70
871664	10/19/2011	Planned Outage	153.50	2	76.75
871765	10/19/2011	Planned Outage	169.10	3	56.37
871766	10/19/2011	Planned Outage	1,636.25	15	109.08
871767	10/19/2011	Planned Outage	86.25	1	86.25
871768	10/19/2011	Planned Outage	94.23	2	47.12
871770	10/19/2011	Planned Outage	90.37	1	90.37
871771	10/19/2011	Planned Outage	87.98	1	87.98
871777	10/19/2011	Planned Outage	224.00	4	56.00
871779	10/19/2011	Planned Outage	17.85	1	17.85
871780	10/19/2011	Planned Outage	26.62	1	26.62
871783	10/19/2011	Planned Outage	129.47	4	32.37
871784	10/19/2011	Planned Outage	92.65	3	30.88
871788	10/19/2011	Planned Outage	244.20	3	81.40
871790	10/19/2011	Planned Outage	48.50	3	16.17
871792	10/19/2011	Planned Outage	12.68	l	12.68
871793	10/19/2011	Planned Outage	63.10	2	31.55
871799	10/19/2011	Planned Outage	69.80	2	34.90
871800	10/19/2011	Planned Outage	10.00	1	10.00
871801	10/19/2011	Planned Outage	453.30	18	25.18
871803	10/19/2011	Planned Outage	309.28	7	44.18
871806	10/19/2011	Planned Outage	652.00	3	217.33
871807	10/19/2011	Planned Outage	285.28	1	285.28
871813	10/19/2011	Planned Outage	33.37	1	33.37
871816	10/19/2011	Planned Outage	183.00	61	3.00
871827	10/19/2011	Planned Outage	201.05	3	67.02
871830	10/19/2011	Planned Outage	123.27	2	61.63
871831	10/19/2011	Planned Outage	61.18	I	61.18
871832	10/19/2011	Planned Outage	119.70	2	59.85
871834	10/19/2011	Planned Outage	23.65	3	7.88
871841	10/19/2011	Planned Outage	58.23	2	29.12
871843	10/19/2011	Planned Outage	504.00	2	252.00
871848	10/19/2011	Planned Outage	142.73	4	35.68
871850	10/19/2011	Planned Outage	60.55	1	60.55
871851	10/19/2011	Planned Outage	118.48	1	118.48
871871	10/19/2011	Planned Outage	263.40	4	65.85
871895	10/20/2011	Planned Outage	132.00	1	132.00
871904	10/20/2011	Planned Outage	140.67	2	70.33

871916	10/20/2011	Planned Outage	448.00	2	224.00
871926	10/20/2011	Planned Outage	89.00	1	89.00
871930	10/20/2011	Planned Outage	181.70	1	181.70
871931	10/20/2011	Planned Outage	149.82	1	149.82
871935	10/20/2011	Planned Outage	60.22	1	60.22
871938	10/20/2011	Planned Outage	5,410.00	100	81.60
871947	10/20/2011	Planned Outage	66.00	22	3.00
871951	10/20/2011	Planned Outage	48.60	1	48.60
871952	10/20/2011	Planned Outage	7,812.00	80	97.65
871957	10/20/2011	Planned Outage	39.00	3	13.00
871960	10/20/2011	Planned Outage	41.05	1	41.05
871968	10/20/2011	Planned Outage	199.10	2	99.55
871969	10/20/2011	Planned Outage	448.50	2	224.25
871976	10/20/2011	Planned Outage	88.47	2	44.23
871978	10/20/2011	Planned Outage	30.00	}	30.00
871979	10/20/2011	Planned Outage	121.30	3	40.43
871984	10/20/2011	Planned Outage	132.20	2	66.10
871985	10/20/2011	Planned Outage	339.67	5	67.93
871986	10/20/2011	Planned Outage	206.33	2	103.17
871987	10/20/2011	Planned Outage	18.32	1	18.32
872051	10/21/2011	Planned Outage	66.50	1	66.50
872053	10/21/2011	Planned Outage	43.03	1	43.03
872056	10/21/2011	Planned Outage	1,480.60	2	740.30
872064	10/21/2011	Planned Outage	13,754.10	37	371.73
872071	10/21/2011	Planned Outage	339.57	1	339.57
872076	10/21/2011	Planned Outage	630.67	8	78.83
872079	10/21/2011	Planned Outage	15,285.60	48	318.45
872082	10/21/2011	Planned Outage	213.33	16	13.33
872084	10/21/2011	Planned Outage	136.30	2	68.15
872457	10/24/2011	Planned Outage	181.00	1	181.00
872476	10/24/2011	Planned Outage	66.23	2	33.12
872482	10/24/2011	Planned Outage	1,890.00	18	105.00
872490	10/24/2011	Planned Outage	146.13	2	73.07
872492	10/24/2011	Planned Outage	473.90	2	236.95
872503	10/24/2011	Planned Outage	10,743.20	51	210.65
872519	10/24/2011	Planned Outage	442.43	2	221.22
872520	10/24/2011	Planned Outage	752.40	8	94.05
872525	10/24/2011	Planned Outage	15.00	1	15.00
872529	10/24/2011	Planned Outage	123.80	3	41.27
872531	10/24/2011	Planned Outage	1,004.00	48	20.92
872558	10/24/2011	Planned Outage	874.95	3	291.65

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070550	10/04/0011	Planned Outage	1,201.00	4	300.25
872559	10/24/2011		1,201.00		17.00
872568	10/24/2011	Planned Outage	52.90	6	8.82
872573	10/24/2011	Planned Outage	178.08	5	35.62
872581	10/24/2011	Planned Outage		3	61.65
872589	10/24/2011	Planned Outage	184.95	39	35.13
872598	10/24/2011	Planned Outage	1,370.20		
872602	10/25/2011	Planned Outage	5,030.10	486	10.35
872622	10/25/2011	Planned Outage	278.00	2	139.00
872623	10/25/2011	Planned Outage	137.00	5	27.40
872625	10/25/2011	Planned Outage	99.75	1	99.75
872626	10/25/2011	Planned Outage	98.98	1	98.98
872632	10/25/2011	Planned Outage	676.00	13	52.00
872642	10/25/2011	Planned Outage	269.13	4	67.28
872646	10/25/2011	Planned Outage	272.67	5	54.53
872647	10/25/2011	Planned Outage	97.87	2	48.93
872651	10/25/2011	Planned Outage	33.00	1	33.00
872673	10/25/2011	Planned Outage	67.85	1	67.85
872678	10/25/2011	Planned Outage	95.00	10	9.50
872684	10/25/2011	Planned Outage	328.00	2	164.00
872685	10/25/2011	Planned Outage	23.15	1	23.15
872688	10/25/2011	Planned Outage	37.03	1	37.03
872729	10/26/2011	Planned Outage	431.20	3	143.73
872734	10/26/2011	Planned Outage	358.47	4	89.62
872745	10/26/2011	Planned Outage	129.98	1	129.98
872747	10/26/2011	Planned Outage	254.83	2	127.42
872748	10/26/2011	Planned Outage	163.37	2	81.68
872756	10/26/2011	Planned Outage	86.62	1	86.62
872763	10/26/2011	Planned Outage	664.00	8	83.00
872768	10/26/2011	Planned Outage	58.32	1	58.32
872773	10/26/2011	Planned Outage	899.40	3	299.80
872774	10/26/2011	Planned Outage	184.00	5	36.80
872777	10/26/2011	Planned Outage	215.47	2	107.73
872778	10/26/2011	Planned Outage	322.90	3	107.63
872783	10/26/2011	Planned Outage	2,593.25	15	172.88
872797	10/26/2011	Planned Outage	859.05	9	95.45
872852	10/27/2011	Planned Outage	471.17	10	47.12
872867	10/27/2011	Planned Outage	12,075.20	32	377.35
872868	10/27/2011	Planned Outage	54.23	2	27.12
872870	10/27/2011	Planned Outage	2,546.00	5	509.20
872874	10/27/2011	Planned Outage	36.12	1	36.12
872876	10/27/2011	Planned Outage	2,301.42	5	460.28

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872901	10/27/2011	Planned Outage	74.00	5	14.80
872909	10/27/2011	Planned Outage	74.30	1	74.30
872918	10/27/2011	Planned Outage	139.15	3	46.38
873002	10/28/2011	Planned Outage	86.27	4	21.57
873005	10/28/2011	Planned Outage	47.28	1	47.28
873010	10/28/2011	Planned Outage	165.95	1	165.95
873013	10/28/2011	Planned Outage	33.45	1	33.45
873014	10/28/2011	Planned Outage	88.83	2	44.42
873022	10/28/2011	Planned Outage	20.88	1	20.88
873030	10/28/2011	Planned Outage	237.80	3	79.27
873034	10/28/2011	Planned Outage	81.87	2	40.93
873042	10/28/2011	Planned Outage	108.93	4	27.23
873050	10/28/2011	Planned Outage	37.13	2	18.57
873094	10/29/2011	Planned Outage	118.08	5	23.62
873183	10/30/2011	Planned Outage	175.13	2	87.57
873184	10/30/2011	Planned Outage	176.97	2	88.48
873187	10/30/2011	Planned Outage	121.02	1	121.02
873264	10/31/2011	Planned Outage	84.85	3	28.28
873266	10/31/2011	Planned Outage	2,850.00	1425	2.00
873268	10/31/2011	Planned Outage	288.00	4	72.00
873271	10/31/2011	Planned Outage	15,895.60	49	324.40
873288	10/31/2011	Planned Outage	5,357.80	28	191.35
873293	10/31/2011	Planned Outage	80.58	1	80.58
873294	10/31/2011	Planned Outage	157.33	2	78.67
873327	10/31/2011	Planned Outage	1,476.00	9	164.00
873334	10/31/2011	Planned Outage	19.00	1	19.00
873338	10/31/2011	Planned Outage	67.57	1	67.57
873344	10/31/2011	Planned Outage	231.53	4	57.88
873347	10/31/2011	Planned Outage	25.65	1	25.65
873361	10/31/2011	Planned Outage	43.47	1	43.47
873372	10/31/2011	Planned Outage	15.00	1	15.00
873376	10/31/2011	Planned Outage	145.72	1	145.72
873404	11/1/2011	Planned Outage	10.85	1	10.85
873406	11/1/2011	Planned Outage	62.20	3	20.73
873408	11/1/2011	Planned Outage	46.97	1	46. <u>9</u> 7
873409	11/1/2011	Planned Outage	340.77	1	340.77
873415	11/1/2011	Planned Outage	1,902.45	3	634.15
873419	11/1/2011	Planned Outage	450.45	3	150.15
873423	11/1/2011	Planned Outage	183.05	7	26.15
873430	11/1/2011	Planned Outage	195.63	1	195.63
873431	11/1/2011	Planned Outage	48.00	1	48.00

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873443	11/1/2011	Planned Outage	415.00	5	83.00
873444	11/1/2011	Planned Outage	475.90	3	158.63
873480	11/1/2011	Planned Outage	22.95	1	22.95
873485	11/1/2011	Planned Outage	64.08	1	64.08
873487	11/1/2011	Planned Outage	60.48	1	60.48
873495	11/1/2011	Planned Outage	152.47	1	152.47
873624	11/2/2011	Planned Outage	10,065.00	165	61.00
873646	11/2/2011	Planned Outage	302.75	3	100.92
873649	11/2/2011	Planned Outage	2,137.20	104	20.55
873656	11/2/2011	Planned Outage	134.37	1	134.37
873660	11/2/2011	Planned Outage	121.07	2	60.53
873666	11/2/2011	Planned Outage	580.00	4	145.00
873670	11/2/2011	Planned Outage	75.00	15	5.00
873671	11/2/2011	Planned Outage	636.93	8	79.62
873715	11/2/2011	Planned Outage	26,082.70	147	177.43
873724	11/2/2011	Planned Outage	124.20	2	62.10
873728	11/2/2011	Planned Outage	4.00	1	4.00
873749	11/2/2011	Planned Outage	10,026.10	118	84.97
873751	11/2/2011	Planned Outage	95.45	3	31.82
873752	11/2/2011	Planned Outage	220.38	7	31.48
873755	11/2/2011	Planned Outage	70.77	1	70.77
873757	11/2/2011	Planned Outage	48.00	8	6.00
873758	11/2/2011	Planned Outage	135.35	1	135.35
873759	11/2/2011	Planned Outage	131.97	1	131.97
873768	11/2/2011	Planned Outage	161.90	3	53.97
873769	11/2/2011	Planned Outage	62.67	2	31.33
873774	11/2/2011	Planned Outage	23.77	1	23.77
873777	11/2/2011	Planned Outage	56.00	4	14.00
873780	11/2/2011	Planned Outage	48.92	1	48.92
873784	11/2/2011	Planned Outage	171.00	3	57.00
873798	11/2/2011	Planned Outage	237.93	2	118.97
873799	11/2/2011	Planned Outage	595.00	5	119.00
873820	11/2/2011	Planned Outage	605.07	4	151.27
873825	11/2/2011	Planned Outage	235.15	3	78.38
873839	11/3/2011	Planned Outage	5,346.00	729	7.33
873840	11/3/2011	Planned Outage	50.60	4	12.65
873842	11/3/2011	Planned Outage	198.33	l	198.33
873844		Planned Outage	114.00	6	19.00
873848		Planned Outage	2,300.00	10	230.00
873849		Planned Outage	1,244.83	10	124.48
873854	11/3/2011	Planned Outage	200.47	1	200.47

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873855	11/3/2011	Planned Outage	177.05	3	59.02
873859	11/3/2011	Planned Outage	1,094.33	7	156.33
873869	11/3/2011	Planned Outage	41.00	3	13.67
873870	11/3/2011	Planned Outage	114.37	1	114.37
873872	11/3/2011	Planned Outage	201.60	6	33.60
873876	11/3/2011	Planned Outage	229.75	3	76.58
873885	11/3/2011	Planned Outage	24.65	1	24.65
873887	11/3/2011	Planned Outage	106.00	2	53.00
873894	11/3/2011	Planned Outage	303.00	3	101.00
873916	11/3/2011	Planned Outage	176.03	2	88.02
873932	11/3/2011	Planned Outage	18.03	1	18.03
873993	11/4/2011	Planned Outage	190.20	1	190.20
874007	11/4/2011	Planned Outage	230.33	4	57.58
874010	11/4/2011	Planned Outage	290.70	3	96.90
874023	11/4/2011	Planned Outage	1,770.42	25	70.82
874024	11/4/2011	Planned Outage	6,878.90	93	73.97
874025	11/4/2011	Planned Outage	156.30	3	52.10
874030	11/4/2011	Planned Outage	393.70	3	131.23
874037	11/4/2011	Planned Outage	53.95	1	53.95
874109	11/5/2011	Planned Outage	168.27	4	42.07
874216	11/7/2011	Planned Outage	393.00	393	1.00
874223	11/7/2011	Planned Outage	181.30	3	60.43
874234	11/7/2011	Planned Outage	2,327.00	70	34.00
874235	11/7/2011	Planned Outage	462.00	14	33.00
874255	11/7/2011	Planned Outage	1,872.00	26	72.00
874262	11/7/2011	Planned Outage	381.75	3	127.25
874265	11/7/2011	Planned Outage	113.00	1	113.00
874280	11/7/2011	Planned Outage	28.00	1	28.00
874285	11/7/2011	Planned Outage	86.00	2	43.00
874308	11/8/2011	Planned Outage	288.00	36	8.00
874330	11/8/2011	Planned Outage	171.20	8	21.40
874336	11/8/2011	Planned Outage	1,534.00	1534	1.00
874340	11/8/2011	Planned Outage	805.55	3	268.52
874342	11/8/2011	Planned Outage	510.37	122	4.18
874360	11/8/2011	Planned Outage	394.47	4	98.62
874362	11/8/2011	Planned Outage	634.10	17	37.30
874363	11/8/2011	Planned Outage	1,866.80	104	17.95
874372	11/8/2011	Planned Outage	260.00	2	130.00
874373	11/8/2011	Planned Outage	16.73	1	16.73
874384	11/8/2011	Planned Outage	124.00	1	124.00
874385	11/8/2011	Planned Outage	259.70	2	129.85

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874387	11/8/2011	Planned Outage	183.00	5	36.60
874388	11/8/2011	Planned Outage	67.05	1	67.05
874389	11/8/2011	Planned Outage	150.00	3	50.00
874404	11/8/2011	Planned Outage	75.75	3	25.25
874413	11/8/2011	Planned Outage	425.00	5	85.00
874478	11/9/2011	Planned Outage	80.73	1	80.73
874479	11/9/2011	Planned Outage	862.20	2	431.10
874481	11/9/2011	Planned Outage	7,488.00	18	416.00
874484	11/9/2011	Planned Outage	122.00	2	61.00
874491	11/9/2011	Planned Outage	224.00	4	56.00
874503	11/9/2011	Planned Outage	6,361.33	104	61.17
874512	11/9/2011	Planned Outage	184.25	3	61.42
874520	11/9/2011	Planned Outage	419.00	1	419.00
874542	11/9/2011	Planned Outage	22.00	1	22.00
874543	11/9/2011	Planned Outage	48.77	1	48.77
874561	11/9/2011	Planned Outage	901.60	49	18.40
874573	11/9/2011	Planned Outage	18.97	]	18.97
874589	11/9/2011	Planned Outage	736.73	43	17.13
874590	11/9/2011	Planned Outage	64.00	1	64.00
874591	11/9/2011	Planned Outage	252.00	2	126.00
874593	11/9/2011	Planned Outage	5.12	1	5.12
874600	11/9/2011	Planned Outage	368.53	8	46.07
874607	11/9/2011	Planned Outage	39.00	1	39.00
874669	11/10/2011	Planned Outage	790.00	10	79.00
874670	11/10/2011	Planned Outage	4,381.00	13	337.00
874674	11/10/2011	Planned Outage	26.00	1	26.00
874676	11/10/2011	Planned Outage	86.02	1	86.02
874680	11/10/2011	Planned Outage	57.88	1	57.88
874683	11/10/2011	Planned Outage	91.90	]	91.90
874687	11/10/2011	Planned Outage	25.02	1	25.02
874692	11/10/2011	Planned Outage	60.57	]	60.57
874694	11/10/2011	Planned Outage	169.63	1	169.63
874696	11/10/2011	Planned Outage	296.70	2	148.35
874699	11/10/2011	Planned Outage	4,525.40	66	68.57
874992	11/10/2011	Planned Outage	129.62	7	18.52
874994	11/10/2011	Planned Outage	148.00	2	74.00
875004	11/10/2011	Planned Outage	81.05	1	81.05
875006	11/10/2011	Planned Outage	1,547.00	7	221.00
875011	11/10/2011	Planned Outage	14,230.30	42	338.82
875013	11/10/2011	Planned Outage	411.30	6	68.55
875054	11/10/2011	Planned Outage	53.60	1	53.60

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875059	11/10/2011	Planned Outage	1,577.92	7	225.42
875094	11/11/2011	Planned Outage	362.00	3	120.67
875098	11/11/2011	Planned Outage	11,360.50	112	101.43
875110	11/11/2011	Planned Outage	47.55	1	47.55
875111	11/11/2011	Planned Outage	87.47	4	21.87
875112	11/11/2011	Planned Outage	813.50	5	162.70
875114	11/11/2011	Planned Outage	100.70	6	16.78
875119	11/11/2011	Planned Outage	963.85	37	26.05
875133	11/11/2011	Planned Outage	1,400.00	56	25.00
875385	11/13/2011	Planned Outage	238.40	3	79.47
875435	11/14/2011	Planned Outage	35.68	1	35.68
875444	11/14/2011	Planned Outage	2,700.00	45	60.00
875447	11/14/2011	Planned Outage	196.33	2	98.17
875448	11/14/2011	Planned Outage	19.00	1	19.00
875449	11/14/2011	Planned Outage	294.47	2	147.23
875450	11/14/2011	Planned Outage	603.60	4	150.90
875463	11/14/2011	Planned Outage	652.13	4	163.03
875464	11/14/2011	Planned Outage	346.60	6	57.77
875586	11/15/2011	Planned Outage	161.28	1	161.28
875587	11/15/2011	Planned Outage	343.12	7	49.02
875597	11/15/2011	Planned Outage	113.20	4	28.30
875607	11/15/2011	Planned Outage	291.80	4	72.95
875615	11/15/2011	Planned Outage	347.75	3	115.92
875621	11/15/2011	Planned Outage	8.13	2	4.07
875645	11/15/2011	Planned Outage	65.83	1	65.83
875647	11/15/2011	Planned Outage	396.10	2	198.05
875655	11/15/2011	Planned Outage	51.22	1	51.22
875678	11/16/2011	Planned Outage	1,741.75	5	348.35
875682	11/16/2011	Planned Outage	7,765.40	492	15.78
875705	11/16/2011	Planned Outage	815.35	3	271.78
875708	11/16/2011	Planned Outage	115.70	1	115.70
875709	11/16/2011	Planned Outage	111.00	1	111.00
875723	11/16/2011	Planned Outage	183.07	4	45.77
875734	11/16/2011	Planned Outage	364.27	2	182.13
875736	11/16/2011	Planned Outage	238.00	1	238.00
875776	11/16/2011	Planned Outage	111.00	1	111.00
875779	11/16/2011	Planned Outage	300.00	4	75.00
875824	11/16/2011	Planned Outage	32.10	2	16.05
875850	11/16/2011	Planned Outage	5,371.20	216	24.87
875869	11/17/2011	Planned Outage	309.00	1	309.00
875872	11/17/2011	Planned Outage	508.87	4	127.22

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875882	11/17/2011	Planned Outage	247.27	1	247.27
875884	11/17/2011	Planned Outage	<u>2,355.</u> 50	42	56.08
875888	11/17/2011	Planned Outage	134.85	1	134.85
875889	11/17/2011	Planned Outage	150.68	1	150.68
875917	11/17/2011	Planned Outage	121.47	2	60.73
875928	11/17/2011	Planned Outage	14.00	1	_14.00
875930	11/17/2011	Planned Outage	196.00	1	196.00
875936	11/17/2011	Planned Outage	133.58	1	133.58
875971	11/17/2011	Planned Outage	345.47	8	43.18
875989	11/18/2011	Planned Outage	3,192.17	1070	2.98
876000	11/18/2011	Planned Outage	351.25	15	23.42
<u>87</u> 6004	11/18/2011	Planned Outage	17.00	1	17.00
876018	11/18/2011	Planned Outage	142.45	1	142.45
876022	11/18/2011	Planned Outage	1,479.40	13	113.80
876024	11/18/2011	Planned Outage	11,483.10	92	124.82
876027	11/18/2011	Planned Outage	316.40	7	45.20
876037	11/18/2011	Planned Outage	921.60	12	76.80
876042	11/18/2011	Planned Outage	17.55	1	17.55
876261	11/20/2011	Planned Outage	120.00	2	60.00
876315	11/21/2011	Planned Outage	50.00	1	50.00
876316	11/21/2011	Planned Outage	96.00	2	48.00
876317	11/21/2011	Planned Outage	65.00	1	65.00
876322	11/21/2011	Planned Outage	27.00	1	27.00
876325	11/21/2011	Planned Outage	172.37	2	86.18
876326	11/21/2011	Planned Outage	414.47	I	414.47
876330	11/21/2011	Planned Outage	9.73	1	9.73
876332	11/21/2011	Planned Outage	1,491.00	7	213.00
876333	11/21/2011	Planned Outage	93.00	1	93.00
876334	11/21/2011	Planned Outage	96.00	6	16.00
876335	11/21/2011	Planned Outage	123.73	1	123.73
876336	11/21/2011	Planned Outage	289.37	2	144.68
876337	11/21/2011	Planned Outage	766.00	2	383.00
876338	11/21/2011	Planned Outage	760.00	2	380.00
876340	11/21/2011	Planned Outage	2,684.27	32	83.88
876353	11/21/2011	Planned Outage	11,588.30	32	362.13
876372	11/21/2011	Planned Outage	150.75	3	50.25
876375	11/21/2011	Planned Outage	76.00	1	76.00
876376	11/21/2011	Planned Outage	135.00	3	45.00
876385	11/21/2011	Planned Outage	247.58	5	49.52
876418	11/22/2011	Planned Outage	14.35	1	14.35
876434	11/22/2011	Planned Outage	101.25	3	33.75

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876435	11/22/2011	Planned Outage	1,436.00	4	359.00
876437	11/22/2011	Planned Outage	661.33	4	165.33
876442	11/22/2011	Planned Outage	568.00	3	189.33
876446	11/22/2011	Planned Outage	68.50	1	68.50
876447	11/22/2011	Planned Outage	206.60	3	68.87
876453	11/22/2011	Planned Outage	295.00	5	59.00
876460	11/22/2011	Planned Outage	124.00	1	124.00
876462	11/22/2011	Planned Outage	64.20	6	10.70
876492	11/22/2011	Planned Outage	1,161.00	27	43.00
876493	11/22/2011	Planned Outage	97.93	2	<u>48.97</u>
876496	11/22/2011	Planned Outage	1,364.00	31	44.00
876502	11/22/2011	Planned Outage	<u>8</u> 9.17	1	89.17
876513	11/22/2011	Planned Outage	170.83	1	170.83
876529	11/22/2011	Planned Outage	20.00	4	5.00
876670	11/23/2011	Planned Outage	33.20	1	33.20
876677	11/23/2011	Planned Outage	1,087. <u>5</u> 0	3	362.50
876679	11/23/2011	Planned Outage	1,278.20	4	319.55
876680	11/23/2011	Planned Outage	7,401.10	42	176.22
876683	11/23/2011	Planned Outage	1,043.10	18	57.95
876689	11/23/2011	Planned Outage	144.53	4	36.13
876692	11/23/2011	Planned Outage	25.55	1	25.55
876698	11/23/2011	Planned Outage	175.45	3	58.48
876705	11/23/2011	Planned Outage	32.27	2	16.13
876706	11/23/2011	Planned Outage	151.40	_ 4	37.85
876716	11/23/2011	Planned Outage	469.00	335	1.40
876721	11/23/2011	Planned Outage	1,439.20	1028	1.40
876732	11/23/2011	Planned Outage	16.42	1	16.42
876739	11/23/2011	Planned Outage	115.35	3	38.45
876841	11/24/2011	Planned Outage	109.77	2	54.88
876934	11/26/2011	Planned Outage	42.00	3	14.00
876935	11/26/2011	Planned Outage	93.80	4	23.45
876964	11/26/2011	Planned Outage	60.20	4	15.05
877139	11/28/2011	Planned Outage	4,556.93	_ 8	569.62
877141	11/28/2011	Planned Outage	555.52	1	555.52
877146	-	Planned Outage	640.00	8	80.00
877149	11/28/2011	Planned Outage	17.37	1	17.37
877154		Planned Outage	99.67	5	19.93
877160		Planned Outage	771.73	8	96.47
877162		Planned Outage	382.00	2	<u>191</u> .00
877163		Planned Outage	875.30	2	437.65
877166		Planned Outage	7,535.92	55	137.02

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| 877174  | 11/28/2011 | Planned Outage | 78.00     | 3   | 26.00         |
|---------|------------|----------------|-----------|-----|---------------|
| 877175  | 11/28/2011 | Planned Outage | 26.00     | 1   | 26.00         |
| 877176  | 11/28/2011 | Planned Outage | 6,945.25  | 65  | 106.85        |
| 877179  | 11/28/2011 | Planned Outage | 121.00    | 1   | 121.00        |
| 877183  | 11/28/2011 | Planned Outage | 267.80    | 3   | 89.27         |
| 877207  | 11/28/2011 | Planned Outage | 28.57     | 1   | 28.57         |
| 877213  | 11/28/2011 | Planned Outage | 30.00     | 2   | 15.00         |
| 877214  | 11/28/2011 | Planned Outage | 647.10    | 9   | 71.90         |
| 877218  | 11/28/2011 | Planned Outage | 66.00     | 2   | 33.00         |
| 877248  | 11/29/2011 | Planned Outage | 380.00    | 2   | 190.00        |
| 877253  | 11/29/2011 | Planned Outage | 60.00     | 3   | 20.00         |
| 877255  | 11/29/2011 | Planned Outage | 112.00    | 2   | 56.00         |
| 877267  | 11/29/2011 | Planned Outage | 610.00    | 4   | 152.50        |
| 877311  | 11/29/2011 | Planned Outage | 355.03    | 2   | 177.52        |
| 877331  | 11/29/2011 | Planned Outage | 354.67    | 5   | 70.93         |
| 877368  | 11/30/2011 | Planned Outage | 178.70    | j   | 178.70        |
| 877370  | 11/30/2011 | Planned Outage | 678.00    | 6   | 113.00        |
| 877381  | 11/30/2011 | Planned Outage | 1,554.00  | 6   | 259.00        |
| 877383  | 11/30/2011 | Planned Outage | 5,586.00  | 42  | 133.00        |
| 877385  | 11/30/2011 | Planned Outage | 77.30     | 2   | 38.65         |
| 877388  | 11/30/2011 | Planned Outage | 18,490.70 | 80  | 231.13        |
| 877391  | 11/30/2011 | Planned Outage | 1,672.00  | 4   | 418.00        |
| 877392  | 11/30/2011 | Planned Outage | 1,856.40  | 26  | 71.40         |
| 877393  | 11/30/2011 | Planned Outage | 40,198.00 | 202 | 199.00        |
| 877411  | 11/30/2011 | Planned Outage | 103.00    | 1   | 103.00        |
| 877428  | 11/30/2011 | Planned Outage | 87.55     | 1   | 87.55         |
| 877440  | 11/30/2011 | Planned Outage | 18.67     | 2   | 9.33          |
| 877441  | 11/30/2011 | Planned Outage | 9.05      | 1   | 9.05          |
| 877442  | 11/30/2011 | Planned Outage | 8.55      | 1   | 8.55          |
| 877448  | 11/30/2011 | Planned Outage | 124.20    | 1   | 124.20        |
| 877530  | 12/1/2011  | Planned Outage | 8,169.53  | 118 | 69.23         |
| 877558  | 12/1/2011  | Planned Outage | 177.00    | 3   | <u>59.0</u> 0 |
| 877560  | 12/1/2011  | Planned Outage | 96.00     | 2   | 48.00         |
| 877563  | 12/1/2011  | Planned Outage | 1,112.20  | 6   | 185.37        |
| 877572  | 12/1/2011  | Planned Outage | 294.00    | 6   | 49.00         |
| 877589  | 12/1/2011  | Planned Outage | 40.73     | 1   | 40.73         |
| 877622  | 12/2/2011  | Planned Outage | 70.00     | 2   | 35.00         |
| 877628  | 12/2/2011  | Planned Outage | 431.00    | 3   | 143.67        |
| 877633  | 12/2/2011  | Planned Outage | 748.00    | 11  | 68.00         |
| 87,7635 | 12/2/2011  | Planned Outage | 2.00      | 1   | 2.00          |
| 877638  |            | Planned Outage | 498.00    | 3   | 166.00        |

| 877650 | 12/2/2011 | Planned Outage             | 14.70     | J   | 14.70  |
|--------|-----------|----------------------------|-----------|-----|--------|
| 877655 | 12/2/2011 | Planned Outage             | 50.00     | 1   | 50.00  |
| 877656 | 12/2/2011 | Planned Outage             | 162.33    | 5   | 32.47  |
| 877669 | 12/2/2011 | Planned Outage             | 72.25     | 5   | 14.45  |
| 877675 | 12/2/2011 | Planned Outage             | 404.25    | 35  | 11.55  |
| 877682 | 12/2/2011 | Planned Outage             | 4.00      | 1   | 4.00   |
| 877684 | 12/2/2011 | Planned Outage             | 46.00     | 2   | 23.00  |
| 877827 | 12/3/2011 | Planned Outage             | 12,411.00 | 540 | 22.98  |
| 877883 | 12/4/2011 | Planned Outage             | 361.87    | 1   | 361.87 |
| 877887 | 12/4/2011 | Planned Outage             | 354.03    | 1   | 354.03 |
| 877890 | 12/4/2011 | Planned Outage             | 12,264.00 | 84  | 146.00 |
| 877893 | 12/4/2011 | Planned Outage             | 120.00    | 2   | 60.00  |
| 877897 | 12/4/2011 | Planned Outage             | 169.00    | 1   | 169.00 |
| 877898 | 12/4/2011 | Planned Outage             | 316.00    | 2   | 158.00 |
| 877913 | 12/4/2011 | Planned Outage             | 107.95    | 3   | 35.98  |
| 877947 | 12/5/2011 | Planned Outage             | 178.73    | 1   | 178.73 |
| 877949 | 12/5/2011 | Planned Outage             | 1,404.00  | 16  | 87.75  |
| 877950 | 12/5/2011 | Planned Outage             | 161.80    | 1   | 161.80 |
| 877952 | 12/5/2011 | Planned Outage             | 2,618.00  | 7   | 374.00 |
| 877955 | 12/5/2011 | Planned Outage             | 506.90    | 2   | 253.45 |
| 877965 | 12/5/2011 | Planned Outage             | 214.23    | 2   | 107.12 |
| 877968 | 12/5/2011 | Planned Outage             | 946.05    | 7   | 135.15 |
| 877969 | 12/5/2011 | Planned Outage             | 22.73     | 1   | 22.73  |
| 877970 | 12/5/2011 | Planned Outage             | 2,282.92  | 25  | 91.32  |
| 877972 | 12/5/2011 | Planned Outage             | 3,534.00  | 38  | 93.00  |
| 877973 | 12/5/2011 | Planned Outage             | 4,876.00  | 53  | 92.00  |
| 877974 | 12/5/2011 | Planned Outage             | 4,991.00  | 115 | 43.40  |
| 877983 | 12/5/2011 | Planned Outage             | 3,224.80  | 87  | 37.07  |
| 877985 | 12/5/2011 | Planned Outage             | 249.30    | 3   | 83.10  |
| 877989 | 12/5/2011 | Planned Outage             | 37.02     | 1   | 37.02  |
| 877990 | 12/5/2011 | Planned Outage             | 247.80    | 6   | 41.30  |
| 877994 | 12/5/2011 | Planned Outage             | 589.20    | 36  | 16.37  |
| 878005 | 12/5/2011 | Planned Outage             | 65.25     | 9   | 7.25   |
| 878007 | 12/5/2011 | Planned Outage             | 2,065.00  | 59  | 35.00  |
| 878008 | 12/5/2011 | Planned Outage             | 630.00    | 18  | 35.00  |
| 878011 | 12/5/2011 | Planned Outage             | 146.00    | 2   | 73.00  |
| 878013 | 12/5/2011 | Planned Outage             | 6,042.00  | 114 | 53.00  |
| 878015 | 12/5/2011 | Planned Outage 26.23       |           | 1   | 26.23  |
| 878032 | 12/5/2011 | Planned Outage 5,251.40 31 |           | 31  | 169.40 |
| 878044 | 12/6/2011 | Planned Outage             | 67.60     | 1   | 67.60  |
| 878060 | 12/6/2011 | Planned Outage             | 207.42    | 1   | 207.42 |

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| 878080 | 12/6/2011 | Planned Outage | 903.17    | 5   | 180.63 |
|--------|-----------|----------------|-----------|-----|--------|
| 878084 | 12/6/2011 | Planned Outage | 2,366.83  | 22  | 107.58 |
| 878127 | 12/6/2011 | Planned Outage | 90.62     | 1   | 90.62  |
| 878134 | 12/6/2011 | Planned Outage | 56.00     | 4   | 14.00  |
| 878135 | 12/6/2011 | Planned Outage | 137.10    | 2   | 68.55  |
| 878136 | 12/6/2011 | Planned Outage | 276.05    | 3   | 92.02  |
| 878137 | 12/6/2011 | Planned Outage | 57.57     | 1   | 57.57  |
| 878142 | 12/6/2011 | Planned Outage | 460.85    | 3   | 153.62 |
| 878143 | 12/6/2011 | Planned Outage | 20.62     | 1   | 20.62  |
| 878146 | 12/6/2011 | Planned Outage | 219.30    | 2   | 109.65 |
| 878147 | 12/6/2011 | Planned Outage | 85.50     | 3   | 28.50  |
| 878148 | 12/6/2011 | Planned Outage | 657.15    | 3   | 219.05 |
| 878158 | 12/6/2011 | Planned Outage | 800.67    | 8   | 100.08 |
| 878235 | 12/6/2011 | Planned Outage | 19.47     | 1   | 19.47  |
| 878240 | 12/6/2011 | Planned Outage | 71.77     | 1   | 71.77  |
| 878250 | 12/6/2011 | Planned Outage | 216.00    | 2   | 108.00 |
| 878251 | 12/6/2011 | Planned Outage | 99.60     | 18  | 5.53   |
| 878253 | 12/6/2011 | Planned Outage | 805.00    | 7   | 115.00 |
| 878265 | 12/6/2011 | Planned Outage | 68.00     | 1   | 68.00  |
| 878269 | 12/6/2011 | Planned Outage | 358.73    | 2   | 179.37 |
| 878270 | 12/6/2011 | Planned Outage | 29.07     | 1   | 29.07  |
| 878285 | 12/6/2011 | Planned Outage | 113.20    | 2   | 56.60  |
| 878288 | 12/6/2011 | Planned Outage | 490.53    | 13  | 37.73  |
| 878289 | 12/6/2011 | Planned Outage | 62.75     | 3   | 20.92  |
| 878292 | 12/6/2011 | Planned Outage | 924.00    | 7   | 132.00 |
| 878319 | 12/6/2011 | Planned Outage | 1,673.00  | 10  | 167.30 |
| 878339 | 12/6/2011 | Planned Outage | 99.00     | 27  | 3.67   |
| 878349 | 12/7/2011 | Planned Outage | 170.33    | 2   | 85.17  |
| 878356 | 12/7/2011 | Planned Outage | 63,998.70 | 140 | 457.13 |
| 878357 | 12/7/2011 | Planned Outage | 2,119.58  | 25  | 84.78  |
| 878358 | 12/7/2011 | Planned Outage | 243.08    | 1   | 243.08 |
| 878362 | 12/7/2011 | Planned Outage | 4,255.62  | 37  | 115.02 |
| 878366 | 12/7/2011 | Planned Outage | 7,574.58  | 53  | 142.92 |
| 878367 | 12/7/2011 | Planned Outage | 1,969.05  | 9   | 218.78 |
| 878389 | 12/7/2011 | Planned Outage | 228.00    | 4   | 57.00  |
| 878405 | 12/7/2011 | Planned Outage | 162.20    | 1   | 162.20 |
| 878407 | 12/7/2011 | Planned Outage | 540.67    | 4   | 135.17 |
| 878408 | 12/7/2011 | Planned Outage |           |     | 51.53  |
| 878420 | 12/7/2011 | Planned Outage |           |     | 7.73   |
| 878425 | 12/7/2011 | Planned Outage | 314.93    | 8   | 39.37  |
| 878428 | 12/7/2011 | Planned Outage | 9,130.00  | 55  | 166.00 |

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|--------|---------------------------------------|----------------|----------|---------------------------------------|--------|
| 878437 | 12/7/2011                             | Planned Outage | 675.00   | 3                                     | 225.00 |
| 878511 | 12/8/2011                             | Planned Outage | 101.75   | 1                                     | 101.75 |
| 878532 | 12/8/2011                             | Planned Outage | 33.92    | 1                                     | 33.92  |
| 878533 | 12/8/2011                             | Planned Outage | 1,632.00 | 3                                     | 544.00 |
| 878540 | 12/8/2011                             | Planned Outage | 84.00    | 7                                     | 12.00  |
| 878541 | 12/8/2011                             | Planned Outage | 138.40   | 3                                     | 46.13  |
| 878542 | 12/8/2011                             | Planned Outage | 1,153.75 | 25                                    | 46.15  |
| 878543 | 12/8/2011                             | Planned Outage | 126.65   | 3                                     | 42.22  |
| 878546 | 12/8/2011                             | Planned Outage | 38.22    | 1                                     | 38.22  |
| 878550 | 12/8/2011                             | Planned Outage | 34.75    | 1                                     | 34.75  |
| 878556 | 12/8/2011                             | Planned Outage | 366.00   | 3                                     | 122.00 |
| 878557 | 12/8/2011                             | Planned Outage | 100.95   | 9                                     | 11.22  |
| 878560 | 12/8/2011                             | Planned Outage | 2,174.90 | 7                                     | 310.70 |
| 878602 | 12/8/2011                             | Planned Outage | 545.70   | 9                                     | 60.63  |
| 878604 | 12/8/2011                             | Planned Outage | 108.60   | 4                                     | 27.15  |
| 878611 | 12/8/2011                             | Planned Outage | 37.07    | 2                                     | 18.53  |
| 878620 | 12/8/2011                             | Planned Outage | 25.77    | 1                                     | 25.77  |
| 878671 | 12/9/2011                             | Planned Outage | 26.87    | 1                                     | 26.87  |
| 878674 | 12/9/2011                             | Planned Outage | 557.40   | 3                                     | 185.80 |
| 878676 | 12/9/2011                             | Planned Outage | 748.93   | 8                                     | 93.62  |
| 878680 | 12/9/2011                             | Planned Outage | 142.60   | 3                                     | 47.53  |
| 878681 | 12/9/2011                             | Planned Outage | 158.00   | 1                                     | 158.00 |
| 878685 | 12/9/2011                             | Planned Outage | 103.42   | 5                                     | 20.68  |
| 878686 | 12/9/2011                             | Planned Outage | 41.67    | 2                                     | 20.83  |
| 878693 | 12/9/2011                             | Planned Outage | 684.00   | 3                                     | 228.00 |
| 878710 | 12/9/2011                             | Planned Outage | 105.60   | 2                                     | 52.80  |
| 878712 | 12/9/2011                             | Planned Outage | 10.02    | 1                                     | 10.02  |
| 878713 | 12/9/2011                             | Planned Outage | 26.70    | 3                                     | 8.90   |
| 878765 | 12/10/2011                            | Planned Outage | 2,211.87 | 4                                     | 552.97 |
| 878766 | 12/10/2011                            | Planned Outage | 7,189.00 | 13                                    | 553.00 |
| 878781 | 12/10/2011                            | Planned Outage | 11.77    | 1                                     | 11.77  |
| 878982 | 12/12/2011                            | Planned Outage | 96.00    | 1                                     | 96.00  |
| 878997 | 12/12/2011                            | Planned Outage | 942.83   | 2                                     | 471.42 |
| 879001 | 12/12/2011                            | Planned Outage | 529.00   | I                                     | 529.00 |
| 879004 | 12/12/2011                            | Planned Outage | 153.85   | 3                                     | 51.28  |
| 879005 | 12/12/2011                            | Planned Outage | 186.00   | 1                                     | 186.00 |
| 879014 | 12/12/2011                            | Planned Outage | 684.93   | 4                                     | 171.23 |
| 879017 | 12/12/2011                            | Planned Outage | 143.00   | 1                                     | 143.00 |
| 879019 | 12/12/2011                            | Planned Outage | 1,777.78 | 11                                    | 161.62 |
| 879048 | 12/12/2011                            | Planned Outage | 192.00   | 1                                     | 192.00 |
| 879050 | 12/12/2011                            | Planned Outage | 208.00   | 2                                     | 104.00 |

| 879055 | 12/12/2011 | Planned Outage | 415.33    | 20  | 20.77          |
|--------|------------|----------------|-----------|-----|----------------|
| 879058 | 12/12/2011 | Planned Outage | 308.60    | 4   | 77.15          |
| 879083 | 12/13/2011 | Planned Outage | 335.00    | 5   | 67.00          |
| 879097 | 12/13/2011 | Planned Outage | 1,629.00  | 9   | 181.00         |
| 879099 | 12/13/2011 | Planned Outage | 106.47    | 4   | 26.62          |
| 879104 | 12/13/2011 | Planned Outage | 2,601.20  | 6   | 433.53         |
| 879108 | 12/13/2011 | Planned Outage | 489.00    | 3   | 163.00         |
| 879110 | 12/13/2011 | Planned Outage | 36.87     | 4   | 9.22           |
| 879112 | 12/13/2011 | Planned Outage | 3,033.45  | 7   | 433.35         |
| 879119 | 12/13/2011 | Planned Outage | 52.75     | I   | 52.75          |
| 879120 | 12/13/2011 | Planned Outage | 228.00    | 4   | 57.00          |
| 879125 | 12/13/2011 | Planned Outage | 593.33    | 4   | 148.33         |
| 879132 | 12/13/2011 | Planned Outage | 374.53    | 2   | 187.27         |
| 879134 | 12/13/2011 | Planned Outage | 125.47    | 4   | 31.37          |
| 879142 | 12/13/2011 | Planned Outage | 105.95    | 3   | 35.32          |
| 879143 | 12/13/2011 | Planned Outage | 16.95     | 1   | 16.95          |
| 879144 | 12/13/2011 | Planned Outage | 13.73     | 2   | 6.87           |
| 879147 | 12/13/2011 | Planned Outage | 81.77     | 2   | 40.88          |
| 879149 | 12/13/2011 | Planned Outage | 503.47    | 4   | 125.87         |
| 879156 | 12/13/2011 | Planned Outage | 1,000.00  | 6   | 166.67         |
| 879162 | 12/13/2011 | Planned Outage | 37.60     | 4   | 9.40           |
| 879163 | 12/13/2011 | Planned Outage | 23.10     | 3   | 7.70           |
| 879181 | 12/14/2011 | Planned Outage | 2,597.83  | 5   | 519.57         |
| 879185 | 12/14/2011 | Planned Outage | 502.80    | 4   | 125.70         |
| 879186 | 12/14/2011 | Planned Outage | 333.33    | 4   | 83.33          |
| 879189 | 12/14/2011 | Planned Outage | 503.73    | 4   | 125.93         |
| 879190 | 12/14/2011 | Planned Outage | 1,438.05  | 3   | 479.3          |
| 879198 | 12/14/2011 | Planned Outage | 2,611.80  | 6   | 435.30         |
| 879213 | 12/14/2011 | Planned Outage | 699.00    | 6   | 116.50         |
| 879224 | 12/14/2011 | Planned Outage | 1,303.83  | 5   | 260.7          |
| 879226 | 12/14/2011 | Planned Outage | 853.30    | 6   | 142.22         |
| 879259 | 12/14/2011 | Planned Outage | 59.23     | 1   | 59.23          |
| 879283 | 12/15/2011 | Planned Outage | 342.90    | 6   | 57 <u>.1</u> . |
| 879285 | 12/15/2011 | Planned Outage | 302.13    | 8   | 37.7           |
| 879288 | 12/15/2011 | Planned Outage | 345.33    | 5   | 69.0           |
| 879290 | 12/15/2011 | Planned Outage | 545.00    | 5   | 109.0          |
| 879291 | 12/15/2011 | Planned Outage | 173.00    | 1   | 173.00         |
| 879294 | 12/15/2011 | Planned Outage | 210.00    | 3   | 70.0           |
| 879296 | 12/15/2011 | Planned Outage | 84.00     | 6   | 14.00          |
| 879299 | 12/15/2011 | Planned Outage | 39,183.70 | 356 | 110.0          |
| 879303 | 12/15/2011 | Planned Outage | 102.00    | 1   | 102.00         |

|        | · · · · · · · · · · · · · · · · · · · |                |          |    |        |
|--------|---------------------------------------|----------------|----------|----|--------|
| 879310 | 12/15/2011                            | Planned Outage | 309.27   | 4  | 77.32  |
| 879314 | 12/15/2011                            | Planned Outage | 356.00   | 4  | 89.00  |
| 879328 | 12/15/2011                            | Planned Outage | 864.73   | 34 | 25.43  |
| 879343 | 12/15/2011                            | Planned Outage | 664.00   | 8  | 83.00  |
| 879351 | 12/15/2011                            | Planned Outage | 26.62    | 1  | 26.62  |
| 879357 | 12/15/2011                            | Planned Outage | 98.77    | 2  | 49.38  |
| 879396 | 12/16/2011                            | Planned Outage | 1,060.00 | 5  | 212.00 |
| 879404 | 12/16/2011                            | Planned Outage | 206.70   | 2  | 103.35 |
| 879406 | 12/16/2011                            | Planned Outage | 338.10   | 6  | 56.35  |
| 879408 | 12/16/2011                            | Planned Outage | 657.40   | 4  | 164.35 |
| 879419 | 12/16/2011                            | Planned Outage | 860.65   | 3  | 286.88 |
| 879423 | 12/16/2011                            | Planned Outage | 67.23    | i  | 67.23  |
| 879426 | 12/16/2011                            | Planned Outage | 605.35   | 3  | 201.78 |
| 879427 | 12/16/2011                            | Planned Outage | 228.95   | 1  | 228.95 |
| 879433 | 12/16/2011                            | Planned Outage | 20.50    | 1  | 20.50  |
| 879434 | 12/16/2011                            | Planned Outage | 18.27    | 1  | 18.27  |
| 879439 | 12/16/2011                            | Planned Outage | 263.30   | 3  | 87.77  |
| 879441 | 12/16/2011                            | Planned Outage | 222.00   | 3  | 74.00  |
| 879444 | 12/16/2011                            | Planned Outage | 888.00   | 6  | 148.00 |
| 879611 | 12/18/2011                            | Planned Outage | 719.40   | 3  | 239.80 |
| 879618 | 12/18/2011                            | Planned Outage | 67.60    | 12 | 5.63   |
| 879620 | 12/18/2011                            | Planned Outage | 480.00   | 12 | 40.00  |
| 879621 | 12/18/2011                            | Planned Outage | 1,483.50 | 46 | 32.25  |
| 879626 | 12/18/2011                            | Planned Outage | 607.57   | 11 | 55.23  |
| 879627 | 12/18/2011                            | Planned Outage | 1,020.60 | 18 | 56.70  |
| 879651 | 12/19/2011                            | Planned Outage | 173.53   | 1  | 173.53 |
| 879655 | 12/19/2011                            | Planned Outage | 433.75   | 5  | 86.75  |
| 879663 | 12/19/2011                            | Planned Outage | 220.98   | 1  | 220.98 |
| 879664 | 12/19/2011                            | Planned Outage | 329.87   | 16 | 20.62  |
| 879667 | 12/19/2011                            | Planned Outage | 119.63   | 2  | 59.82  |
| 879670 | 12/19/2011                            | Planned Outage | 902.85   | 3  | 300.95 |
| 879672 | 12/19/2011                            | Planned Outage | 178.12   | 1  | 178.12 |
| 879674 | 12/19/2011                            | Planned Outage | 115.00   | 4  | 28.75  |
| 879676 | 12/19/2011                            | Planned Outage | 578.73   | 4  | 144.68 |
| 879678 | 12/19/2011                            | Planned Outage | 85.00    | 2  | 42.50  |
| 879685 | 12/19/2011                            | Planned Outage | 507.40   | 6  | 84.57  |
| 879700 | 12/19/2011                            | Planned Outage | 183.53   | 2  | 91.77  |
| 879703 | 12/19/2011                            | Planned Outage | 75.18    | 1  | 75.18  |
| 879708 | 12/19/2011                            | Planned Outage | 84.93    | 8  | 10.62  |
| 879711 | 12/19/2011                            | Planned Outage | 260.67   | 1  | 260.67 |
| 879715 | 12/19/2011                            | Planned Outage | 11.35    | 1  | 11.35  |

| 879719 | 12/19/2011 | Planned Outage | 11,323.00 | 130 | 87.10  |
|--------|------------|----------------|-----------|-----|--------|
| 879727 | 12/19/2011 | Planned Outage | 317.25    | 5   | 63.45  |
| 879736 | 12/19/2011 | Planned Outage | 346.33    | 4   | 86.58  |
| 879756 | 12/19/2011 | Planned Outage | 99.60     | 4   | 24.90  |
| 879763 | 12/19/2011 | Planned Outage | 29.15     | 1   | 29.15  |
| 880017 | 12/20/2011 | Planned Outage | 62.00     | 1   | 62.00  |
| 880019 | 12/20/2011 | Planned Outage | 9.68      | 1   | 9.68   |
| 880028 | 12/20/2011 | Planned Outage | 140.50    | 1   | 140.50 |
| 880046 | 12/20/2011 | Planned Outage | 104.00    | 4   | 26.00  |
| 880124 | 12/21/2011 | Planned Outage | 578.13    | 4   | 144.53 |
| 880133 | 12/21/2011 | Planned Outage | 541.95    | 1   | 541.95 |
| 880139 | 12/21/2011 | Planned Outage | 41.60     | 1   | 41.60  |
| 880144 | 12/21/2011 | Planned Outage | 624.00    | 2   | 312.00 |
| 880153 | 12/21/2011 | Planned Outage | 2,218.73  | 92  | 24.12  |
| 880172 | 12/21/2011 | Planned Outage | 51.78     | 1   | 51.78  |
| 880180 | 12/21/2011 | Planned Outage | 99.55     | 3   | 33.18  |
| 880203 | 12/21/2011 | Planned Outage | 998.20    | 6   | 166.37 |
| 880204 | 12/21/2011 | Planned Outage | 361.00    | 3   | 120.33 |
| 880207 | 12/21/2011 | Planned Outage | 272.95    | 1   | 272.95 |
| 880212 | 12/21/2011 | Planned Outage | 114.78    | 1   | 114.78 |
| 880213 | 12/21/2011 | Planned Outage | 167.67    | 4   | 41.92  |
| 880289 | 12/22/2011 | Planned Outage | 55.30     | 3   | 18.43  |
| 880290 | 12/22/2011 | Planned Outage | 35.47     | 2   | 17.73  |
| 880293 | 12/22/2011 | Planned Outage | 62.00     | 2   | 31.00  |
| 880296 | 12/22/2011 | Planned Outage | 171.10    | 3   | 57.03  |
| 880303 | 12/22/2011 | Planned Outage | 64.28     | 1   | 64.28  |
| 880305 | 12/22/2011 | Planned Outage | 63.68     | 1   | 63.68  |
| 880306 | 12/22/2011 | Planned Outage | 92.73     | 4   | 23.18  |
| 880319 | 12/22/2011 | Planned Outage | 2,064.00  | 9   | 229.33 |
| 880323 | 12/22/2011 | Planned Outage | 64.00     | 1   | 64.00  |
| 880397 | 12/22/2011 | Planned Outage | 22.00     | 1   | 22.00  |
| 880444 | 12/22/2011 | Planned Outage | 146.20    | 4   | 36.55  |
| 880535 | 12/23/2011 | Planned Outage | 136.93    | 4   | 34.23  |
| 880697 | 12/26/2011 | Planned Outage | 24.00     | 3   | 8.00   |
| 880775 | 12/27/2011 | Planned Outage | 580.93    | 4   | 145.23 |
| 880794 | 12/27/2011 | Planned Outage | 32.45     | 1   | 32.45  |
| 880798 | 12/27/2011 | Planned Outage | 528.05    | 3   | 176.02 |
| 880824 | 12/27/2011 | Planned Outage | 57.85     | 1   | 57.85  |
| 880849 | 12/27/2011 | Planned Outage | 163.95    | 3   | 54.65  |
| 880877 | 12/27/2011 | Planned Outage | 111.50    | 2   | 55.75  |
| 880878 | 12/27/2011 | Planned Outage | 8.37      | 1   | 8.37   |

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| 880897 | 12/27/2011 | Planned Outage | 150.67    | 4   | 37.67  |
|--------|------------|----------------|-----------|-----|--------|
| 880942 | 12/28/2011 | Planned Outage | 595.12    | 7   | 85.02  |
| 880948 | 12/28/2011 | Planned Outage | 118.00    | 1   | 118.00 |
| 880949 | 12/28/2011 | Planned Outage | 158.00    | 12  | 13.17  |
| 880950 | 12/28/2011 | Planned Outage | 7,155.87  | 68  | 105.23 |
| 880954 | 12/28/2011 | Planned Outage | 25.50     | 3   | 8.50   |
| 880958 | 12/28/2011 | Planned Outage | 245.00    | 1   | 245.00 |
| 880960 | 12/28/2011 | Planned Outage | 560.25    | 5   | 112.05 |
| 880961 | 12/28/2011 | Planned Outage | 1,121.83  | 10  | 112.18 |
| 880965 | 12/28/2011 | Planned Outage | 273.40    | 4   | 68.35  |
| 880968 | 12/28/2011 | Planned Outage | 86.27     | 4   | 21.57  |
| 880972 | 12/28/2011 | Planned Outage | 642.02    | 7   | 91.72  |
| 880982 | 12/28/2011 | Planned Outage | 277.83    | 2   | 138.92 |
| 880994 | 12/28/2011 | Planned Outage | 1,004.12  | 11  | 91.28  |
| 880995 | 12/28/2011 | Planned Outage | 639.45    | 7   | 91.35  |
| 881010 | 12/28/2011 | Planned Outage | 67.25     | 3   | 22.42  |
| 881018 | 12/28/2011 | Planned Outage | 36.53     | 2   | 18.27  |
| 881019 | 12/28/2011 | Planned Outage | 57.98     | 1   | 57.98  |
| 881022 | 12/28/2011 | Planned Outage | 190.42    | 25  | 7.62   |
| 881025 | 12/28/2011 | Planned Outage | 288.00    | 6   | 48.00  |
| 881031 | 12/28/2011 | Planned Outage | 116.83    | 1   | 116.83 |
| 881038 | 12/28/2011 | Planned Outage | 258.83    | 2   | 129.42 |
| 881039 | 12/28/2011 | Planned Outage | 240.42    | 5   | 48.08  |
| 881042 | 12/28/2011 | Planned Outage | 41.68     | 1   | 41.68  |
| 881043 | 12/28/2011 | Planned Outage | 106.40    | 2   | 53.20  |
| 881067 | 12/29/2011 | Planned Outage | 490.95    | 3   | 163.65 |
| 881070 | 12/29/2011 | Planned Outage | 814.67    | 47  | 17.33  |
| 881072 | 12/29/2011 | Planned Outage | 164.97    | 2   | 82.48  |
| 881075 | 12/29/2011 | Planned Outage | 595.05    | 3   | 198.35 |
| 881093 | 12/29/2011 | Planned Outage | 29.17     | 1   | 29.17  |
| 881098 | 12/29/2011 | Planned Outage | 14,699.90 | 151 | 97.35  |
| 881099 | 12/29/2011 | Planned Outage | 80.38     | 1   | 80.38  |
| 881102 | 12/29/2011 | Planned Outage | 1,345.57  | 37  | 36.37  |
| 881103 | 12/29/2011 | Planned Outage | 61.03     | 1   | 61.03  |
| 881131 | 12/29/2011 | Planned Outage | 107.05    | 1   | 107.05 |
| 881132 | 12/29/2011 | Planned Outage | 138.33    | 2   | 69.17  |
| 881133 | 12/29/2011 | Planned Outage | 10.42     | 1   | 10.42  |
| 881180 | 12/29/2011 | Planned Outage | 98.62     | 1   | 98.62  |
| 881184 | 12/29/2011 | Planned Outage | 1,390.57  | 26  | 53.48  |
| 881188 | 12/29/2011 | Planned Outage | 189.60    | 4   | 47.40  |
| 881191 | 12/29/2011 | Planned Outage | 222.57    | 2   | 111.28 |

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| 881233         | 12/30/2011 | Planned Outage | 420.20 | 6 | 70.03 |
|----------------|------------|----------------|--------|---|-------|
| 881248         | 12/30/2011 | Planned Outage | 174.20 | 4 | 43.55 |
| 881249         | 12/30/2011 | Planned Outage | 38.40  | 4 | 9.60  |
| 881250         | 12/30/2011 | Planned Outage | 64.90  | 1 | 64.90 |
| 88125 <b>4</b> | 12/30/2011 | Planned Outage | 72.55  | 1 | 72.55 |
| 881255         | 12/30/2011 | Planned Outage | 11.43  | 1 | 11.43 |
| 881258         | 12/30/2011 | Planned Outage | 19.27  | 1 | 19.27 |
| 881262         | 12/30/2011 | Planned Outage | 174.07 | 4 | 43.52 |

#### **APPENDIX 2**

# Gulf Power Company Annual Wood Pole Inspection Report

| а                                                               | b                                                                                                                                                             | С                                                     | d                                                                | е                                                        | f                                                                           | g                                                            | h                                                                          | i                                                         | j                                                                                                        | k                                                                                | 1                                                                                     | m                                                                            |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Total # of<br>Wooden<br>Poles in<br>the<br>Company<br>Inventory | # of Pole<br>Inspections<br>Planned<br>this Annual<br>Inspection                                                                                              | # of Poles<br>Inspected<br>this Annual<br>Inspection* | # of Poles<br>Failing<br>Inspection<br>this Annual<br>Inspection | Pole<br>Failure<br>Rate (%)<br>this Annual<br>Inspection | # of Poles<br>Designated<br>for<br>Replacement<br>this Annual<br>Inspection | Total # of<br>Poles<br>Replaced<br>this Annual<br>Inspection | # of Poles<br>Requiring<br>Minor<br>Follow-up<br>this Annual<br>Inspection | # of Poles<br>Overloade<br>d this<br>Annual<br>Inspection | Method(s)<br>V = Visual<br>E =<br>Excavation<br>P = Prod<br>S = Sound<br>B = Bore<br>R =<br>Resistograph | # of Pole<br>Inspections<br>Planned<br>for Next<br>Annual<br>Inspection<br>Cycle | Total # of<br>Poles<br>Inspected<br>(Cumulative)<br>in the 8-Year<br>Cycle To<br>Date | % of Poles<br>Inspected<br>(Cumulative)<br>in the 8-Year<br>Cycle To<br>Date |
| 208,281<br>Note 1                                               | 32,000                                                                                                                                                        | 53,963                                                | 1,364                                                            | 2.53%                                                    | 1;209                                                                       | 873                                                          | 156                                                                        | N/A<br>Note 2                                             | V, E, S, B                                                                                               | 32,000                                                                           | 182,064                                                                               | 87%                                                                          |
|                                                                 | 0, provide<br>anation                                                                                                                                         |                                                       |                                                                  |                                                          |                                                                             |                                                              |                                                                            |                                                           |                                                                                                          |                                                                                  |                                                                                       | •                                                                            |
|                                                                 | 0, provide<br>anation                                                                                                                                         | Pole inspec                                           | ctions were o                                                    | completed in                                             | 2011 and rem                                                                | naining repai                                                | rs have beer                                                               | n scheduled                                               | for 2012.                                                                                                |                                                                                  |                                                                                       | ······································                                       |
| selection                                                       | Description of selection criteria for inspections Gulf is systematically moving across its system. Poles are selected for inspection on a geographical basis. |                                                       |                                                                  |                                                          |                                                                             |                                                              |                                                                            |                                                           |                                                                                                          |                                                                                  |                                                                                       |                                                                              |

(Reporting Year 2011)

Note I - Data has been updated based on the 2011 pole audit

Note 2 - Program was discontinued in PSC approved 2010 - 2012 Storm Hardening Plan

| (a)<br>Feeder ID | (b)<br>Sub Region | (c)<br>Number of<br>Overhead<br>Lateral Lines | (d)<br>Number of<br>Overhead<br>Lateral Miles | (e)<br>Number of<br>Customers<br>served on<br>Overhead<br>Lateral Lines | (f)<br>CMt for<br>Overhead<br>Lateral-Lines | (g)<br>Cl for<br>Overhead<br>Lateral Lines | (h)<br>Number of<br>Underground<br>Lateral Lines | (i)<br>Number of<br>Underground<br>Lateral Miles | (j)<br>Number of<br>Customers<br>served on<br>Underground<br>Lateral Lines | (k)<br>CMI for<br>Underground<br>Lateral Lines | (I)<br>CI for<br>Underground<br>Lateral Lines |
|------------------|-------------------|-----------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------|--------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------|
| 514              | WESTERN           | 0                                             | 0.00                                          | 1                                                                       | -                                           | -                                          | 0                                                | 0.00                                             | - Lateral Lines                                                            | ·Lateral Lines                                 | Lateral Lines                                 |
| 804              | WESTERN           | 0                                             | 0.29                                          | 1                                                                       | -                                           |                                            | 4                                                | 1.06                                             |                                                                            |                                                | <u> </u>                                      |
| 2222             | EASTERN           | 0                                             | 0.08                                          | 1                                                                       | -                                           |                                            | 1                                                | 0.54                                             | 6                                                                          |                                                |                                               |
| 2613             | CENTRAL           | 2                                             | 2.42                                          | 19                                                                      | 2,531                                       | 19                                         | 0                                                | 0.00                                             |                                                                            | <u> </u>                                       | <u> </u>                                      |
| 2619             | CENTRAL           | 14                                            | 5.32                                          | 73                                                                      | 18,352                                      | 78                                         | 0                                                | 0.00                                             | -                                                                          |                                                |                                               |
| 5202             | WESTERN           | 0                                             | 0.00                                          | -                                                                       | -                                           | -                                          | 0                                                | 0.00                                             |                                                                            |                                                |                                               |
| 5212             | WESTERN           | 0                                             | 0.00                                          | -                                                                       | -                                           | -                                          | 0                                                |                                                  |                                                                            |                                                | -                                             |
| 5222             | WESTERN           | 0                                             | 0.00                                          | <u> </u>                                                                |                                             | -                                          | 1                                                | 0.00                                             |                                                                            | -                                              |                                               |
| 5232             | WESTERN           | 0                                             | 0.00                                          | -                                                                       | -                                           | -                                          | 0                                                | 0.00                                             | -                                                                          |                                                | -                                             |
| 5242             | WESTERN           | 0                                             | 0.00                                          |                                                                         | -                                           | -                                          | 0                                                | 0.00                                             |                                                                            | · · ·                                          |                                               |
| 5262<br>5332     | WESTERN           | 0                                             | 0.00                                          |                                                                         | -                                           |                                            |                                                  | 0.00                                             | -                                                                          | -                                              | -                                             |
| 5332             | WESTERN           | 90                                            | 16.71                                         | 752                                                                     | 101,161                                     | 1,306                                      | 53                                               | 11.43                                            | 1,273                                                                      | 19,831                                         | 217                                           |
| 5352             | WESTERN           | 27                                            | 3.87                                          | 180                                                                     | 59,754                                      | 374                                        | 21                                               | 5.24                                             | 917                                                                        | 1,491                                          | 19                                            |
| 5362             | WESTERN           | 42                                            | 6.52                                          | 133                                                                     | 622                                         | 8                                          | 30                                               | 2.96                                             | 90                                                                         | -                                              | -                                             |
| 5372             | WESTERN           |                                               | 0.00                                          | -                                                                       |                                             |                                            | 0                                                | 0.00                                             | -                                                                          | -                                              | -                                             |
| 5382             | WESTERN           | 449                                           | 134.53                                        | 1.820                                                                   | 214.567                                     | - 1.104                                    | 0                                                | 0.00                                             | -                                                                          | -                                              | •                                             |
| 5392             | WESTERN           | 231                                           | 60,46                                         | 926                                                                     | 110,830                                     |                                            | 32                                               | 6.01                                             | 80                                                                         | 929                                            | 2                                             |
| 5412             | WESTERN           | 1                                             | 0.40                                          | 3                                                                       | 110,030                                     | 1,081                                      | 15                                               | 1.95                                             | 21                                                                         | 849                                            | 3                                             |
| 5502             | WESTERN           | 50                                            | 8.30                                          | 248                                                                     | 11.775                                      | 93                                         | 0                                                | 0.00                                             | 72                                                                         | -                                              | -                                             |
| 5512             | WESTERN           | 172                                           | 45.01                                         | 1,074                                                                   | 227,248                                     | 1,380                                      | 22                                               | 9.07                                             | 489                                                                        |                                                | -                                             |
| 5522             | WESTERN           | 103                                           | 24.62                                         | 605                                                                     | 78,470                                      | 748                                        | 13                                               | 3.99                                             | 244                                                                        | 212                                            | 2                                             |
| 5542             | WESTERN           | 107                                           | 32.73                                         | 1,692                                                                   | 14.074                                      | 158                                        | 29                                               | 22.22                                            | 969                                                                        | -<br>5,975                                     | - 33                                          |
| 5562             | WESTERN           | 83                                            | 24.29                                         | 1,780                                                                   | 354,996                                     | 2,704                                      | 16                                               | 5.17                                             | 345                                                                        | 38,456                                         | 120                                           |
| 5572             | WESTERN           |                                               | 12.83                                         | 922                                                                     | 81,461                                      | 1.068                                      | 13                                               | 5.29                                             | 338                                                                        | 7.365                                          | 51                                            |
| 5582             | WESTERN           | 102                                           | 15,93                                         | 889                                                                     | 35,711                                      | 389                                        | 15                                               | 7.91                                             | 916                                                                        | 7,300                                          |                                               |
| 5592             | WESTERN           | 27                                            | 4.71                                          | 242                                                                     | 143,759                                     | 950                                        | 15                                               | 8.68                                             | 1,277                                                                      | 18,463                                         | 135                                           |
| 5602             | WESTERN           | 292                                           | 76.15                                         | 1,842                                                                   | 104,816                                     | 1,623                                      | 31                                               | 12.21                                            | 125                                                                        | 2.087                                          | 7                                             |
| 5612             | WESTERN           | 446                                           | 137.42                                        | 2,186                                                                   | 1,764,145                                   | 12,963                                     | 10                                               | 4.29                                             | 155                                                                        | 2,001                                          | <u>_</u>                                      |
| 5632             | WESTERN           | 19                                            | 6.40                                          | 461                                                                     | 25,328                                      | 82                                         | 23                                               | 6.70                                             | 706                                                                        | 864                                            | 3                                             |
| 5642             | WESTERN           | 106                                           | 25.87                                         | 1,551                                                                   | 44,522                                      | 484                                        | 16                                               | 24.80                                            | 1.456                                                                      | 20.000                                         | 155                                           |
| 5652             | CENTRAL           | 84                                            | 17.01                                         | 1,096                                                                   | 248,097                                     | 1,875                                      | 33                                               | 5.07                                             | 399                                                                        | 1.937                                          | 18                                            |
| 5662             | CENTRAL           | 97                                            | 19.03                                         | 1,634                                                                   | 504,585                                     | 4,947                                      | 56                                               | 8.39                                             | 1,209                                                                      | 2,038                                          | 11                                            |
| 5682             | CENTRAL           | 47                                            | 9.31                                          | 899                                                                     | 336,630                                     | 2,495                                      | 25                                               | 2.41                                             | 234                                                                        | 294                                            | 5                                             |
| 5752             | WESTERN           | 138                                           | 28.23                                         | 1,285                                                                   | 213,030                                     | 2,044                                      | 25                                               | 19.34                                            | 946                                                                        | 280,304                                        | 791                                           |
| 5762             | WESTERN           | 171                                           | 37.60                                         | 1,507                                                                   | 188,755                                     | 1,030                                      | 19                                               | 6.45                                             | 554                                                                        | 161                                            | 3                                             |
| 5772             | WESTERN           | 19                                            | 3.94                                          | 129                                                                     | 12,945                                      | 349                                        | 5                                                | 2.79                                             | 198                                                                        | 2,562                                          | - 11                                          |
| 5782             | WESTERN           | 205                                           | 65.58                                         | 1,905                                                                   | 128,511                                     | 1,147                                      | 25                                               | 18.61                                            | 515                                                                        | 7,206                                          | 26                                            |
| 5792             | WESTERN           | 273                                           | 99.49                                         | 2,286                                                                   | 184,354                                     | 1,445                                      | 42                                               | 12.56                                            | 526                                                                        | 3,371                                          | 28                                            |
| 5812             | WESTERN           | 0                                             | 0.04                                          | •                                                                       | -                                           |                                            | 0                                                | 0.00                                             | -                                                                          |                                                |                                               |
| 5822             | WESTERN           | 101                                           | 25.49                                         | 1,278                                                                   | 94,744                                      | 1,188                                      | 28                                               | 10.71                                            | 482                                                                        | 48                                             | 1                                             |
| 5832             | WESTERN           | 200                                           | 59.59                                         | 2,241                                                                   | 231,616                                     | 2,953                                      | 16                                               | 1.62                                             | 92                                                                         | -                                              | -                                             |
| 5842             | WESTERN           | 49                                            | 19.78                                         | 869                                                                     | 38,495                                      | 841                                        | 15                                               | 15.91                                            | 1,027                                                                      | 1,069                                          | 6                                             |
| 5852             | WESTERN           | 88                                            | 25.87                                         | 788                                                                     | 28,071                                      | 784                                        | 5                                                | 0.93                                             | 6                                                                          | -                                              | -                                             |
| 5872             | WESTERN           | 48                                            | 11.53                                         | 636                                                                     | 9,654                                       | 143                                        | 32                                               | 15.47                                            | 935                                                                        | 6,054                                          | 36                                            |
| 5882             | CENTRAL           | 91                                            | 23.33                                         | 1,969                                                                   | 183,971                                     | 2,415                                      | 36                                               | 5.16                                             | 648                                                                        | 567                                            | 12                                            |
| 5892             | CENTRAL           | 106                                           | 27.68                                         | 2,025                                                                   | 246,103                                     | 1,823                                      | 52                                               | 17.66                                            | 1,368                                                                      | 13,198                                         | 113                                           |

| (a)       | (b)        | (m)<br>Number of<br>Automatic line<br>Sectionalizing<br>devices on the | (n)<br>Number of<br>Automatic line<br>Sectionalizing<br>devices on the | (o)<br>Whether the<br>Feeder<br>Circuit is | (p)<br>Total Length<br>of the Feeder | (q)<br>Length of<br>Underground<br>portion of the | (u)<br>Length of<br>Overhead<br>portion of<br>the Feeder | (v)<br>Number of<br>Customers<br>served by<br>Overhead | (w)<br>CMI for<br>Overhead | (x)<br>Cl for<br>Overhead | (y)<br>Load | (z) Peak Load |
|-----------|------------|------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------|--------------------------------------|---------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|----------------------------|---------------------------|-------------|---------------|
| Feeder ID | Sub Region | Lateral Lines                                                          | Feeder                                                                 | Loop                                       | Circuit                              | Feeder Circuit                                    | Circuit                                                  | Feeders                                                | Feeders                    | Feeders                   | Growth %    | MVA           |
| 514       | WESTERN    | 0                                                                      |                                                                        | No                                         | 0.01                                 | 0.00                                              | 0.01                                                     | 1                                                      | -                          | •                         | 0.1         | 5.69          |
| 804       | WESTERN    | 0                                                                      | · · ·                                                                  | No                                         | 2.18                                 | 1.06                                              | 1.12                                                     | 1                                                      | -                          | -                         | 0           | 0.46          |
| 2222      | EASTERN    | 0                                                                      | -                                                                      | No                                         | 0.72                                 | 0.64                                              | 0.08                                                     | 7                                                      | -                          | -                         | n/a         | n/a           |
| 2613      | CENTRAL    | 0                                                                      |                                                                        | No                                         | 2.43                                 | 0.00                                              | 2.43                                                     | 19                                                     | 2531                       | 19                        | 0.1         | 0.08          |
| 2619      | CENTRAL    | 0                                                                      | · · · · · ·                                                            | No                                         | 5.34                                 | 0.00                                              | 5.34                                                     | 73                                                     | 18352                      | 78                        | 0.1         | 0.35          |
| 5202      | WESTERN    | 0                                                                      | -                                                                      | No                                         | 0.03                                 | 0.00                                              | 0.03                                                     | -                                                      | -                          | -                         | 0.1         | 4.28          |
| 5212      | WESTERN    | 0                                                                      |                                                                        | No                                         | 0.02                                 | 0.00                                              | 0.02                                                     | -                                                      | •                          | -                         | 0.1         | 2.53          |
| 5222      | WESTERN    | 0                                                                      |                                                                        | Yes                                        | 0.99                                 | 0.97                                              | 0.03                                                     | -                                                      | -                          | -                         | 0.1         | 4.98          |
| 5232      | WESTERN    | 0                                                                      |                                                                        | Yes                                        | 1.08                                 | 1.05                                              | 0.02                                                     | -                                                      |                            | -                         | 0.1         | 8.98          |
| 5242      | WESTERN    | 0                                                                      | · · · · ·                                                              | No                                         | 0.02                                 | 0.00                                              | 0.02                                                     | -                                                      | -                          | -                         | 0.1         | 1.28          |
| 5262      | WESTERN    | 0                                                                      | L *1                                                                   | Yes                                        | 1.04                                 | 0.97                                              | 0.07                                                     | -                                                      | -                          | -                         | 0.1         | 4.73          |
| 5332      | WESTERN    | 0                                                                      | -                                                                      | Yes                                        | 30.47                                | 11.43                                             | 19.04                                                    | 2,025                                                  | 125899                     | 2750                      | 0.5         | 11.00         |
| 5342      | WESTERN    | 0                                                                      |                                                                        | Yes                                        | 10.84                                | 5.24                                              | 5.60                                                     | 1,097                                                  | 61245                      | 393                       | 0.1         | 7.38          |
| 5352      | WESTERN    | 0                                                                      |                                                                        | Yes                                        | 11.68                                | 2.96                                              | 8.72                                                     | 223                                                    | 622                        | 8                         | 0.5         | 12.20         |
| 5362      | WESTERN    | 0                                                                      |                                                                        | No                                         | 3.21                                 | 0.06                                              | 3.15                                                     | -                                                      |                            | -                         | 0.5         | 0.95          |
| 5372      | WESTERN    | 0                                                                      | •                                                                      | No                                         | 3.18                                 | 0.06                                              | 3.11                                                     | -                                                      | -                          | -                         | 0.5         | 1.70          |
| 5382      | WESTERN    | 4                                                                      |                                                                        | No                                         | 144,47                               | 6.01                                              | 138.46                                                   | 1,900                                                  | 459517                     | 2766                      | 0.5         | 9.26          |
| 5392      | WESTERN    | 1                                                                      |                                                                        | No                                         | 64.94                                | 1.95                                              | 62.99                                                    | 947                                                    | 111679                     | 1084                      | 0.5         | 4.26          |
| 5412      | WESTERN    | 0                                                                      |                                                                        | No                                         | 1.01                                 | 0.00                                              | 1.01                                                     | 3                                                      | -                          | -                         | 0.1         | 0.43          |
| 5502      | WESTERN    | 0                                                                      |                                                                        | Yes                                        | 11.13                                |                                                   | 10.02                                                    | 320                                                    | 12237                      | 412                       | 1           | 1.94          |
| 5512      | WESTERN    | 2                                                                      |                                                                        | No                                         | 56.90                                | 9.07                                              | 47.83                                                    | 1,563                                                  | 415927                     | 4055                      | 1.5         | 7.63          |
| 5522      | WESTERN    | 1                                                                      |                                                                        | Yes                                        | 32.88                                | 3,99                                              | 28.90                                                    | 849                                                    | 97120                      | 2453                      | 0.5         | 3.91          |
| 5542      | WESTERN    | 0                                                                      |                                                                        | Yes                                        | 59.39                                | 22.22                                             | 37.17                                                    | 2,661                                                  | 20049                      | 191                       | 2           | 15.28         |
| 5562      | WESTERN    | 1                                                                      |                                                                        | Yes                                        | 31.17                                | 5.17                                              | 26.00                                                    | 2,125                                                  | 607997                     | 7082                      | 0.2         | 8.66          |
| 5572      | WESTERN    | 0                                                                      | • [                                                                    | No                                         | 18.94                                | 5.29                                              | 13.65                                                    | 1,260                                                  | 88826                      | 1119                      | 0.5         | 6.84          |
| 5582      | WESTERN    | 1                                                                      |                                                                        | Yes                                        | 27.04                                | 7.91                                              | 19.13                                                    | 1,805                                                  | 223972                     | 4020                      | 0.5         | 11.47         |
| 5592      | WESTERN    | 0                                                                      |                                                                        | Yes                                        | 16.45                                | 8.68                                              | 7.77                                                     | 1,519                                                  | 162221                     | 1085                      | 2.5         | 5.41          |
| 5602      | WESTERN    | 0                                                                      |                                                                        | Yes                                        | 93.09                                | 12.22                                             | 80.87                                                    | 1,967                                                  | 106903                     | 1630                      | 1.5         | 12.70         |
| 5612      | WESTERN    | 0                                                                      | 1                                                                      | Yes                                        | 145.11                               | 4.29                                              | 140.82                                                   | 2,341                                                  | 1764145                    | 12963                     | 1.5         | 14.47         |
| 5632      | WESTERN    | 1                                                                      |                                                                        | Yes                                        | 15.20                                | 7.97                                              | 7.23                                                     | 1,167                                                  | 26192                      | 85                        | 2.5         | 5.05          |
| 5642      | WESTERN    | 1                                                                      |                                                                        | Yes                                        | 56.87                                | 24.80                                             | 32.07                                                    | 3,007                                                  | 64522                      | 639                       | 2           | 15.45         |
| 5652      | CENTRAL    | 0                                                                      |                                                                        | No                                         | 24.58                                | 5.07                                              | 19.51                                                    | 1,495                                                  | 365908                     | 5804                      | 0.1         | 8.69          |
| 5662      | CENTRAL    | 3                                                                      |                                                                        | No                                         | 28.54                                | 8.39                                              | 20.15                                                    | 2,843                                                  | 506623                     | 4958                      | 0.1         | 11.64         |
| 5682      | CENTRAL    | 1                                                                      |                                                                        | No                                         | 12.73                                | 2.41                                              | 10.32                                                    | 1,133                                                  | 336924                     | 2500                      | 0.1         | 10.87         |
| 5752      | WESTERN    | 1                                                                      | 0                                                                      | Yes                                        | 52.08                                | 19.34                                             | 32.74                                                    | 2,231                                                  | 660038                     | 5000                      | 1.5         | 15.37         |
| 5762      | WESTERN    | 1                                                                      |                                                                        | Yes                                        | 46.25                                | 6.45                                              | 39.81                                                    | 2,061                                                  | 255136                     | 4043                      | 2.5         | 15.34         |
| 5772      | WESTERN    | 0                                                                      |                                                                        | Yes                                        | 8.43                                 | 2.79                                              | 5.64                                                     | 327                                                    | 16149                      | 681                       | 1           | 3.31          |
| 5782      | WESTERN    | 0                                                                      |                                                                        | Yes                                        | 88.69                                | 18.61                                             | 70.08                                                    | 2,420                                                  | 235947                     | 5618                      | 1           | 12.46         |
| 5792      | WESTERN    | 3                                                                      |                                                                        | No                                         | 118.63                               | 12.56                                             | 106.07                                                   | 2,812                                                  | 187725                     | 1473                      | 1           | 13.37         |
| 5812      | WESTERN    | 0                                                                      | 0                                                                      | -                                          | 0.04                                 | 0.00                                              | 0.04                                                     |                                                        |                            |                           | — न         | 0.00          |
| 5822      | WESTERN    | 0                                                                      |                                                                        | Yes                                        | 39.40                                | 10.71                                             | 28.69                                                    | 1,760                                                  | 188590                     | 2926                      | - 1         | 11.08         |
| 5832      | WESTERN    | 1                                                                      |                                                                        | Yes                                        | 67.85                                | 1.62                                              | 66.23                                                    | 2,333                                                  | 231616                     | 2953                      | 1.5         | 12.10         |
| 5842      | WESTERN    | 0                                                                      | 0                                                                      | Yes                                        | 38.94                                | 15.91                                             | 23.03                                                    | 1,896                                                  | 85669                      | 2589                      | 1           | 8.52          |
| 5852      | WESTERN    | 1                                                                      |                                                                        | Yes                                        | 29.56                                | 0.93                                              | 28.63                                                    | 794                                                    | 348714                     | 2384                      | 0.1         | 5.61          |
| 5872      | WESTERN    | 1                                                                      | 1                                                                      | No                                         | 28.14                                | 15.47                                             | 12.67                                                    | 1,571                                                  | 15709                      | 179                       | 0.5         | 8.66          |
| 5882      | CENTRAL    | 0                                                                      | 0                                                                      | No                                         | 30.02                                | 5.16                                              | 24.86                                                    | 2,617                                                  | 624022                     | 5050                      | 0.5         | 9.96          |
| 5892      | CENTRAL    | 0                                                                      | 0                                                                      | No                                         | 51.87                                | 17.66                                             | 34.21                                                    | 3,393                                                  | 259300                     | 1936                      | 1.5         | 15.79         |

|              |                    | (c)           | (d)           | (e)<br>Number of<br>Customers | (f)              | (g)           | (h)           | (i)           | (j)<br>Number of<br>Customers | (1)                                   | (1)           |
|--------------|--------------------|---------------|---------------|-------------------------------|------------------|---------------|---------------|---------------|-------------------------------|---------------------------------------|---------------|
|              | { }                | Number of     | Number of     | served on                     | CMI for          | Cl for        | Number of     | Number of     | served on                     | (k)<br>CMI for                        | (I)<br>Cl for |
| (a)          | (b)                | Overhead      | Overhead      | Overhead                      | Overhead         | Overhead      | Underground   | Underground   | Underground                   | Underground                           | Underground   |
| Feeder ID    | Sub Region         | Lateral Lines | Lateral Miles | Lateral Lines                 | Lateral Lines    | Lateral Lines | Lateral Lines | Lateral Miles | Lateral Lines                 | Lateral Lines                         | Lateral Lines |
| 5902         | WESTERN            | 40            | 7.39          | 563                           | 14,140           | 73            | Cateral Lines |               | 120                           | 31,450                                | Tateral Lines |
| 5912         | WESTERN            | 24            | 2.23          | 265                           | 16,336           | 229           | 32            |               | 328                           | 5.059                                 | 44            |
| 5922         | WESTERN            | 40            | 6.96          | 675                           | 32,540           | 139           | 27            | 25.42         | 1.636                         | 148,396                               | 1,133         |
| 5932         | WESTERN            | 68            | 13.60         | 1,101                         | 32,021           | 275           | 26            |               | 877                           | 96,164                                | 435           |
| 5942         | WESTERN            | 16            | 6.55          | 600                           | 11,016           | 105           | 43            |               | 1.636                         | 5,329                                 | 30            |
| 5952         | WESTERN            | 0             | 0.00          | -                             |                  | -             | 0             |               |                               | -                                     |               |
| 5972         | WESTERN            | 37            | 10.83         | 661                           | 119,388          | 1,016         | 20            | 4.86          | 427                           | 11.656                                | 95            |
| 5982         | WESTERN            |               | 14.78         | 969                           | 17,388           | 145           | 48            |               | 1,401                         | 50,209                                | 391           |
| 5992         | WESTERN            | 37            | 8.23          | 632                           | 22,840           | 278           | 22            | 11.12         | 1,061                         | 38,552                                | 319           |
| 6022         | WESTERN            | 0             | 0.00          | -                             | -                | -             | 0             |               | -                             | -                                     | -             |
| 6032         | WESTERN            | 32            | 6.61          | 347                           | 7,272            | 47            | 16            | 4.00          | 766                           | 4,080                                 | 10            |
| 6042         | WESTERN            | 81            | 17.66         | 1,657                         | 65,626           | 470           | 6             |               | 44                            | -                                     | •             |
| 6052         | WESTERN            | 128           | 31.01         | 1,483                         | 275,019          | 4,802         | 25            | 12.38         | 1,140                         | 175                                   | 2             |
| 6062         | WESTERN            | 69            | 19.87         | 1,592                         | 48,092           | 591           | 7             | 0.26          | 12                            | 316                                   | 1             |
| 6072         | WESTERN            | 105           | 25.81         | 1,241                         | 168,237          | 2,189         | 41            | 23.21         | 1,610                         | 15,889                                | 103           |
| 6082         | WESTERN            | 106           | 28.64         | 1,548                         | 62,057           | 976           | 17            | 11_47         | 975                           | -                                     | •             |
| 6092         | WESTERN            | 40            | 14.32         | 846                           | 33,401           | 216           | 26            |               | 1,015                         | 65,509                                | 291           |
| 6212         | WESTERN            | 110           | 30.28         | 1,218                         | 378,091          | 2,899         | 21            | 25.97         | 1,102                         | 580                                   | 3             |
| 6222         | WESTERN            | 70            | 18.87         | 600                           | 42,581           | 503           | 23            | 10.92         | 628                           | •                                     | -             |
| 6338         | WESTERN            | 0             | 0.00          | -                             |                  | -             | 0             | 0.89          | 47                            | -                                     | -             |
| 6348         | WESTERN            | 0             | 0.00          | -                             | -                | -             | 0             |               | 35                            | -                                     | -             |
| 6352<br>6412 | WESTERN<br>CENTRAL | 0             | 0.00          | 468                           | -                | -             | 0             |               | 58                            | -                                     | ·             |
| 6432         | CENTRAL            | 50<br>26      | 6.95          | 203                           | 24,304<br>28,181 | 274           | 3             |               | 59                            | · · · · · · · · · · · · · · · · · · · | -             |
| 6452         | CENTRAL            | 28            | 8.82          | 4                             | 20,101           | - 236         | <u>4</u> 5    | 0.64          | 10                            |                                       |               |
| 6482         | WESTERN            | 33            | 10.44         | 812                           | 98,925           | 394           | 32            | 9.41          | 1,221                         | 358                                   | 1             |
| 6508         | WESTERN            |               | 0.52          | 18                            | 129              | 2             | 10            | 0.38          | 5                             | 41,772<br>10                          | 226           |
| 6522         | WESTERN            | 110           | 16.65         | 1,493                         | 344,293          | 4,365         | 35            | 3.48          | 465                           | 786                                   | 8             |
| 6532         | WESTERN            | 107           | 23.10         | 1,775                         | 74,885           | 716           |               | 0.36          | 303                           |                                       | - 8           |
| 6542         | WESTERN            | 59            | 13.94         | 1.338                         | 46,014           | 511           |               | 1.29          | 232                           |                                       |               |
| 6572         | WESTERN            | 114           | 21.36         | 1,615                         | 381,535          | 3,903         | 21            | 0.91          | 240                           |                                       |               |
| 6582         | WESTERN            | 101           | 18.34         | 1,512                         | 99,388           | 666           | 5             | 0.31          | 33                            | -                                     |               |
| 6592         | WESTERN            | 20            | 2.94          | 177                           | 16,793           | 129           |               | 0.97          | 170                           | 4,622                                 | 59            |
| 6602         | WESTERN            | 30            | 6.61          | 546                           | 53,804           | 765           | 4             | 0.12          | 18                            | -                                     |               |
| 6612         | WESTERN            | 69            | 12.35         | 1,208                         | 87,714           | 1,336         | -5            | 0.11          | 4                             | -                                     | -             |
| 6622         | WESTERN            | 44            | 7.58          | 790                           | 312,405          | 1,358         | 4             | 0.12          | 11                            | 984                                   | 8             |
| 6632         | WESTERN            | 86            | 8.51          | 640                           | 41,901           | 481           | 10            | 1.02          | 16                            | -                                     |               |
| 6642         | WESTERN            | 64            | 9.98          | 565                           | 13,836           | 136           | 6             | 0.37          | 5                             | -                                     |               |
| 6652         | WESTERN            | 159           | 25.86         | 2,349                         | 118,693          | 1,011         | 10            | 0.95          | 152                           | 18,257                                | 43            |
| 6662         | WESTERN            | 82            | 17.81         | 989                           | 178,069          | 1,642         | 23            | 3.81          | 352                           | -                                     | •             |
| 6678         | WESTERN            | 54            | 17.42         | 1,674                         | 191,670          | 1,801         | 25            | 5.61          | 709                           | 10,905                                | 57            |
| 6682         | WESTERN            | 32            | 9.79          | 732                           | 33,300           | 439           | 12            | 2.40          | 210                           | 10,320                                | 92            |
| 6692         | WESTERN            | 54            | 13.75         | 1,132                         | 347,908          | 1,734         | 12            | 2.97          | 493                           | 4,543                                 | 43            |
| 6706         | WESTERN            | 52            | 13.57         | 786                           | 126,296          | 1,238         | 4             | 0.11          | 4                             | -                                     | -             |
| 6716         | WESTERN            | 69            | 12.60         | 840                           | 25,838           | 326           | 17            | 1.12          | 164                           | 83                                    | 1             |
| 6722         | WESTERN            | 1             | 0.39          | 1                             | -                | -             | 0             | 0.00          | -                             | -                                     | -             |
| 6732         | WESTERN            | 0             | 0.00          | -                             |                  | -             | 0             | 0.00          | -                             | -                                     | -             |

|           |            | ()             |                |             |               |                |            |           |          |          | 1        |               |
|-----------|------------|----------------|----------------|-------------|---------------|----------------|------------|-----------|----------|----------|----------|---------------|
|           |            | (m)            | (n)            |             |               |                | (u)        | (v)       |          |          |          |               |
|           |            | Number of      | Number of      | (0)         |               | (q)            | Length of  | Number of |          |          | 1        |               |
|           |            | Automatic line | Automatic line | Whether the | (p)           | Length of      | Overhead   | Customers | [ (w)    | (X)      |          |               |
|           |            | Sectionalizing | Sectionalizing | Feeder      | Total Length  | Underground    | portion of | served by | CMI for  | CI for   | (y)      |               |
| (a)       | (b)        | devices on the | devices on the | Circuit is  | of the Feeder |                | the Feeder | Overhead  | Overhead | Overhead | Load     | (z) Peak Load |
| Feeder ID | Sub Region | Lateral-Lines  | Feeder         | Loop        | Circuit       | Feeder Circuit | Circuit    | Feeders   | Feeders  | Feeders  | Growth % | MVA           |
| 5902      | WESTERN    | 0              |                | Yes         | 11.31         | 2.92           | 8.39       | 683       | 45589    | 147      | 0.1      | 7.85          |
| 5912      | WESTERN    | 0              | ÷              | Yes         | 10.91         | 5.90           | 5.01       | 593       | 21395    | 273      | 0.5      | 8.13          |
| 5922      | WESTERN    | 0              | ·              | Yes         | 36.32         | 25.42          | 10.91      | 2,311     | 180935   | 1272     | 0.5      | 14.57         |
| 5932      | WESTERN    | 1              | 1              | Yes         | 29.72         | 14.19          | 15.53      | 1,978     | 128186   | 710      | 0.5      | 11.49         |
| 5942      | WESTERN    | 0              | -              | No          | 21.16         | 10.72          | 10.44      | 2,236     | 255277   | 2359     | 1        | 14.11         |
| 5952      | WESTERN    | 0              |                | No          | 0.01          | 0.00           | 0.01       | -         | -        | -        | 0        | 0.00          |
| 5972      | WESTERN    | 0              |                | No          | 16.40         | 4.95           | 11.45      | 1,088     | 131044   | 1111     | 0.1      | 5.78          |
| 5982      | WESTERN    | 2              | 1              | No          | 29.05         | 12.64          | 16.41      | 2,370     | 67597    | 536      | 0.1      | 10.25         |
| 5992      | WESTERN    | 1              | •              | No          | 22.16         | 11.22          | 10.94      | 1,693     | 61392    | 597      | 0.1      | 8.18          |
| 6022      | WESTERN    | 0              |                | No          | 0.01          | 0.00           | 0.01       | -         | -        | -        | 0        | 0.00          |
| 6032      | WESTERN    | 0              | -              | Yes         | 13.79         | 4.00           | 9.79       | 1,113     | 11352    | 57       | 0.5      | 8.69          |
| 6042      | WESTERN    | 1              |                | Yes         | 19.76         | 0.49           | 19.27      | 1,701     | 65626    | 470      | 0.1      | 7.73          |
| 6052      | WESTERN    | 2              |                | Yes         | 46.40         | 12.38          | 34.02      | 2,623     | 275195   | 4804     | 0.5      | 11.96         |
| 6062      | WESTERN    | 0              |                | Yes         | 23.49         | 0.26           | 23.23      | 1,604     | 48408    | 592      | 0.1      | 7.37          |
| 6072      | WESTERN    | 0              |                | Yes         | 53.64         | 23.21          | 30.44      | 2,851     | 188652   | 5091     | 0.5      | 14.45         |
| 6082      | WESTERN    | 0              | -              | Yes         | 44.35         | 11.47          | 32.87      | 2,523     | 62057    | 976      | 0.5      | 10.54         |
| 6092      | WESTERN    | 0              |                | Yes         | 26.66         | 8.67           | 17.99      | 1,861     | 98909    | 507      | 0.1      | 10.11         |
| 6212      | WESTERN    | 0              |                | Yes         | 59.48         | 25.97          | 33.51      | 2,320     | 378672   | 2902     | 2        | 12.94         |
| 6222      | WESTERN    | 0              | -              | Yes         | 31.78         | 10.92          | 20.87      | 1,228     | 42581    | 503      | 1        | 7.12          |
| 6338      | WESTERN    | 0              | 1              | No          | 0.89          | 0.89           | 0.00       | 47        | - · _    | _        |          |               |
| 6348      | WESTERN    | 0              |                | No          | 0.93          | 0.93           | 0.00       | 35        | -        | -        |          |               |
| 6352      | WESTERN    | 0              |                | No          | 0.86          | 0.86           | 0.00       | 58        | -        | -        |          |               |
| 6412      | CENTRAL    | 0              |                | Yes         | 20.23         | 2.19           | 18.05      | 527       | 48363    | 765      | 0.1      | 1.90          |
| 6432      | CENTRAL    | 0              |                | No          | 8.78          | 0.64           | 8.14       | 213       | 28181    | 238      | 0.1      | 1.36          |
| 6452      | CENTRAL    | 1              |                | Yes         | 12.36         | 0.43           | 11.93      | 6         | 358      | 1        | 0.1      | 0.27          |
| 6482      | WESTERN    |                |                | Yes         | 22.94         | 9.46           | 13.48      | 2,033     | 268854   | 2676     | 0.1      | 9.84          |
| 6508      | WESTERN    | 0              | -              | Yes         | 2.50          | 0.46           | 2.04       | 23        | 139      | 3        | 0.5      | 9.79          |
| 6522      | WESTERN    | 1              |                | No          | 23.97         | 3.49           | 20.48      | 1,958     | 345080   | 4373     | 0.5      | 9.08          |
| 6532      | WESTERN    | 0              |                | No          | 24.70         | 0.36           | 24.33      | 2,078     | 74885    | 716      | 0.1      | 8.94          |
| 6542      | WESTERN    | 1              |                | No          | 17.88         | 1.29           | 16.59      | 1,570     | 46014    | 511      | 0.1      | 9.43          |
| 6572      | WESTERN    | 0              |                | No          | 24.35         | 0.91           | 23.44      | 1,855     | 381535   | 3903     | 1.5      | 9.66          |
| 6582      | WESTERN    | 1              |                | Yes         | 21.16         | 0.31           | 20.85      | 1,545     | 99388    | 666      | 0.1      | 6.69          |
| 6592      | WESTERN    | 0              | •              | No          | 6.60          | 0.97           | 5.64       | 347       | 45555    | 868      | 0.1      | 8.48          |
| 6602      | WESTERN    | 0              | _              | Yes         | 7.84          | 0.12           | 7.72       | 564       | 53804    | 765      | 0.5      | 2.23          |
| 6612      | WESTERN    | 0              |                | Yes         | 15.57         | 0.20           | 15.37      | 1,212     | 275894   | 2491     | 0.1      | 6.00          |
| 6622      | WESTERN    | 0              |                | Yes         | 9.36          | 0.27           | 9.09       | 801       | 364222   | 2164     | 0.5      | 3.98          |
| 6632      | WESTERN    | 0              |                | Yes         | 11.46         | 1.02           | 10.44      | 656       | 41901    | 481      | 0.1      | 8.74          |
| 6642      | WESTERN    | 1              |                | Yes         | 12.59         | 0.37           | 12.22      | 570       | 13836    | 136      | 0.1      | 6.97          |
| 6652      | WESTERN    | 0              |                | Yes         | 29.62         | 0.95           | 28.67      | 2,501     | 136950   | 1054     | 0.1      | 11.22         |
| 6662      | WESTERN    | 0              |                | Yes         | 25.06         | 3.81           | 21.25      | 1,341     | 189291   | 2763     | 0.1      | 7.92          |
| 6678      | WESTERN    | 1              |                | No          | 25.40         | 5.61           | 19.80      | 2,383     | 240655   | 4258     | 0.1      | 9.50          |
| 6682      | WESTERN    | 0              |                | Yes         | 16.44         | 2.40           | 14.04      | 942       | 43620    | 531      | 0.1      | 5.31          |
| 6692      | WESTERN    | 0              |                | Yes         | 19.08         | 2.97           | 16.11      | 1,625     | 352451   | 1777     | 0.5      | 6.06          |
| 6706      | WESTERN    | 0              |                | No          | 15.07         | 0.11           | 14.95      | 790       | 126296   | 1238     | 0.5      | 4.92          |
| 6716      | WESTERN    | 1              | _              | Yes         | 18.51         | 1.12           | 17.39      | 1,004     | 81782    | 1329     | 0.1      | 6.56          |
| 6722      | WESTERN    | 0              |                | No          | 1.18          | 0.10           | 1.08       | 1         | -        | -        | 0.1      | 8.19          |
| 6732      | WESTERN    | 0              | 0              | No          | 0.66          | 0.10           | 0.55       | -         | -        | -        | 0.1      | 7.37          |

| ſ         | 1          |               |                |                 | F                        | r                 | ·····         | T             |                  | · · · ·       | <u> </u>      |
|-----------|------------|---------------|----------------|-----------------|--------------------------|-------------------|---------------|---------------|------------------|---------------|---------------|
|           |            |               |                | (e)             |                          |                   |               |               | m                |               |               |
|           |            |               |                | Number of       |                          |                   |               |               | (j)<br>Number of |               |               |
|           |            | (c)           | (ď)            | Customers       | (f)                      | (g)               | (h)           | 6             |                  |               |               |
| 1         |            | Number of     | Number of      | served on       | CMI for                  | Cl for            | Number of     | (i)           | Customers        | (k)           | (1)           |
| (a)       | (b)        | Overhead      | Overhead       | Overhead        | Overhead                 | Overhead          |               | Number of     | served on        | CMI for       | Cl for        |
| Feeder ID | Sub Region | Lateral Lines | Lateral Miles  | Lateral Lines   |                          |                   | Underground   | Underground   | Underground      | Underground   | Underground   |
| 6742      | WESTERN    | 29            | 11.61          | 1,143           | Lateral Lines<br>106,186 | Lateral Lines     | Lateral Lines | Lateral Miles | Lateral Lines    | Lateral Lines | Lateral Lines |
| 6774      | WESTERN    | 60            | 16.76          | 696             | 227,706                  | 1,215<br>2,191    | 11            |               | 552              | 24,735        | 97            |
| 6782      | WESTERN    | 102           | 27.97          | 1,021           | 44,847                   | 420               | 32            |               | 87               | 2,150         | 5             |
| 6792      | WESTERN    | 159           | 34.51          | 1,218           | 186,183                  | 2,360             | 19            |               | 628              | 7,767         | 66            |
| 6912      | WESTERN    | 133           | 33.81          | 919             | 46,732                   | 344               | 19            |               | 1,143            | 46,556        | 341           |
| 6922      | WESTERN    | 163           | 46.05          | 1,178           | 520,025                  | 5,079             | 4             |               | 351              | -             | -             |
| 6932      | WESTERN    | 100           | 22.63          | 865             | 198,806                  | 1,288             | 23            |               | 110              | 783           | 4             |
| 6942      | WESTERN    | 277           | 53,29          | 1.451           | 631,272                  | 3,623             |               |               | 707              | 7,757         | 94            |
| 6966      | WESTERN    |               | 0.41           |                 |                          |                   |               | 0.02          | 142              | 152           | 2             |
| 6982      | WESTERN    |               | 10.00          | 10              |                          | -                 | 1             |               | -                | -             | -             |
| 6992      | WESTERN    | 105           | 19.38          | 1.007           | 23,835                   | 315               | 31            |               |                  | -             |               |
| 7012      | WESTERN    | 133           | 33.56          | 1,758           | 133,128                  | 1,310             |               | 19.91         | 1,171            | 3,159         | 19            |
| 7022      | WESTERN    | 61            | 11.76          | 582             | 20.084                   | 208               | 17            | 4.55          | 319              |               | -             |
| 7022      | WESTERN    | 48            | 9,99           | 532             | 8,333                    | 208<br>94         | 16            |               | 212              | 5,034         | 28            |
| 7042      | WESTERN    | 81            | 21.95          | 901             | 34,935                   | 94<br>449         | 14            | 4.40          | 330              | 21,781        | 25            |
| 7112      | WESTERN    | 118           | 21.95          | 1,121           | 193,703                  |                   | 20            | 14.00         | 678              | 260           | 4             |
| 7122      | WESTERN    | 124           | 23.54          | 721             |                          | 1,658             | 24            | 6.92          | 520              | 958           | 9             |
| 7132      | WESTERN    | 124           | 19.16          | 949             | 34,737                   | 360               | 33            | 21.91         | 898              | 7,257         | 119           |
| 7152      | WESTERN    | 124           | 0.61           |                 | 69,565                   | 588               | 24            | 9.11          | 568              | -             | -             |
| 7172      | WESTERN    |               | 16.22          | - 817           | -                        | -                 | 1             | 0.08          | 1                | -             | -             |
| 7232      | WESTERN    | 197           | 51.29          |                 | 61,422                   | 809               | 15            | 5.76          | 263              | 10,676        | 42            |
| 7252      | WESTERN    | 164           | 39.09          | 1,845           | 37,150                   | 430               | 51            | 8.29          | 405              | 647           | 1             |
| 7262      | WESTERN    | 181           | 64.90          | 1,382           | 509,476                  | 2,942             | 42            | 15.51         | 1,032            | 6,261         | 18            |
| 7272      | WESTERN    | 234           | 71.98          | 2,556           | 767,613<br>508,338       | 2,995             | 22            | 6.09          | 393              | -             | -             |
| 7282      | WESTERN    | 101           | 24.84          | 2,277           |                          | 4,393             | 29            | 2.90          | 224              | -             | -             |
| 7292      | WESTERN    | 127           | 24.64          | 1,559           | 126,344                  | 1,111             | 23            | 3.96          | 216              | 124           | 4             |
| 7302      | WESTERN    |               | 0.71           | 1,559           | 112,824                  | 1,183             | 19            | 4.55          | 422              | 800           | 4             |
| 7332      | WESTERN    |               |                | 446             |                          |                   | 1             | 0.55          | 1                | -             | -             |
| 7342      | WESTERN    | 141           | 17.55<br>22.39 |                 | 108,171                  | 1,628             | 28            | 18.14         | 952              | 23,878        | 133           |
| 7352      | WESTERN    | 41            | 12.70          | 1,030<br>993    | 193,434                  | 3,569             | 81            | 15.32         | 2,282            | 39,631        | 207           |
| 7362      | WESTERN    | 33            | 5.08           | 305             | 156,966<br>40,567        | 1,064             | 25            | 7.42          | 1,357            | 28,394        | 160           |
| 7372      | WESTERN    | 66            | 12.57          | 824             |                          | <u>277</u><br>633 | 44            | 6.48          | 1,646            | 2,783         | 5             |
| 7402      | WESTERN    | 0             | 0.00           | - 024           | 113,116                  |                   | 32            | 28.36         | 1,887            | 43,365        | 293           |
| 7402      | WESTERN    | 57            | 8.32           | 894             | 175,906                  | 2.039             | 1 24          | 0.02          | 2                | -             | -             |
| 7406      | WESTERN    | 132           | 18.22          |                 |                          | -1-++             |               | 1.60          | 57               | •             | -             |
| 7406      | WESTERN    | 132           |                | 1,977           | 379,203                  | 4,011             | 10            | 0.60          | 168              | -             | -             |
| 7408      | WESTERN    | 3             | 2.27           | 248             | 4,965                    | 77                | 6             | 0.39          | 16               | -             | •             |
| 7410      | WESTERN    |               | 0.17           | <u>28</u><br>90 | 388                      | 11                | 0             | 0.00          |                  | -             | -             |
| 7414      | WESTERN    |               | 9.10           | 721             |                          | 3                 | 4             | 0.10          | 1                | •             |               |
| 7416      | WESTERN    | 126           | 27.60          | 721             | 50,067                   | 373               | 23            | 1.70          | 48               | 70            | 1             |
| 7512      | WESTERN    | 95            |                |                 | 91,655                   | 1,068             | 9             | 0.95          | 67               | 162           | 1             |
| 7522      | WESTERN    | 50            | 9,76           | 1,238<br>840    | 404,969                  | 2,647             | 34            | 4.96          | 459              | 595           | 3             |
| 7522      | WESTERN    |               | 9,76           |                 | 18,173                   | 218               | 37            | 10.45         | 556              | 33,909        | 181           |
| 7532      | WESTERN    |               |                | 104             | 3,997                    | 22                | 7             | 17.30         | 1,185            | 35,232        | 310           |
| 7542      | WESTERN    |               | 0.00           | -               | -                        | -                 | 1             | 5.61          | 349              | 21,188        | 128           |
| 7582      | WESTERN    | 166           | 33.67          |                 | -                        | -                 | 0             | 0.00          | -                | -             | -             |
| 7592      | WESTERN    | 20            |                | 2,139           | 201,402                  | 1,581             | 21            | 4.10          | 322              | -             | -             |
| 1082      | WEDIERIN   | 20            | 5.36           | 304             | 149,185                  | 1,788             | 13            | 6.18          | 587              | 16,961        | 80            |

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|--------------|-----------------|----------------|-----------------------------------|-------------|---------------|----------------|------------|-----------|-----------------|-------------|----------|---------------|
|              |                 | (m)            | (n)                               |             |               |                | (u)        | (v)       |                 |             | }        |               |
|              |                 | Number of      | Number of                         | (0)         |               | (q)            | Length of  | Number of | j               |             |          |               |
|              |                 | Automatic line | Automatic line                    | Whether the | (p)           | Length of      | Overhead   | Customers | (w)             | (x)         | ]        |               |
|              |                 | Sectionalizing | Sectionalizing                    | Feeder      | Total Length  |                | portion of | served by | CMI for         | Ci for      | (y)      | !             |
| (a)          | (b)             | devices on the | devices on the                    | Circuit is  |               | portion of the | the Feeder | Overhead  | Overhead        | Overhead    | Load     | (z) Peak Load |
| Feeder ID    | Sub Region      | Lateral Lines  | Feeder                            | - Loop      | Circuit       | Feeder Circuit | Circuit    | Feeders   | Feeders         | Feeders     | Growth % | MVA           |
| 6742         | WESTERN         | 0              | 0                                 | Yes         | 21.38         | 7.15           | 14.23      | 1.695     | 130921          | 1312        | 0.1      | 8.59          |
| 6774         | WESTERN         | 0              | 0                                 | No          | 21.74         | 2.31           | 19.43      | 783       | 229855          | 2196        |          | 7.07          |
| 6782         | WESTERN         | 2              | 0                                 | No          | 39.15         | 6.25           | 32.90      | 1,649     | 52614           | 486         | 0.5      | 10.18         |
| 6792         | WESTERN         | 0              | <u></u>                           | No          | 51.51         | 13.76          | 37.75      | 2,361     | 324814          | 8573        | 0.5      | 12.22         |
| 6912         | WESTERN         | 0              | · · · · · · · · · · · · · · · · · | Yes         | 42.02         | 6.58           | 35.44      | 1,270     | 289663          | 2817        | 0.5      | 7.88          |
| 6922         | WESTERN         | 3              |                                   | Yes         | 50.32         | 2.34           | 47.98      | 1,288     | 1038882         | 7850        | 0.1      | 6.08          |
| 6932         | WESTERN         | 0              |                                   | No          | 39.85         | 12.25          | 27.61      | 1,572     | 206563          | 1382        | 1        | 8.01          |
| 6942         | WESTERN         | 3              |                                   | Yes         | 60.79         | 3.18           | 57.61      | 1,593     | 682720          | 5228        | 0.1      | 7.90          |
| 6966         | WESTERN         | 0              |                                   | No          | 0.42          | 0.02           | 0.41       | -         | -               | -           | 0        | 0.80          |
| 6982         | WESTERN         | 0              | -                                 | No          | 10.58         | 0.00           | 10.58      | 10        | -               |             | 0        | 0.38          |
| 6992         | WESTERN         | 0              |                                   | Yes         | 45.06         | 19.91          | 25.15      | 2,178     | 236337          | 2552        | 1        | 13.55         |
| 7012         | WESTERN         | 0              | -                                 | No          | 41.98         | 4.55           | 37.43      | 2,077     | 133128          | 1310        | 0.1      | 12.29         |
| 7022         | WESTERN         | 0              | -                                 | Yes         | 19.69         | 4.14           | 15.55      | 794       | 25119           | 236         | 0.1      | 6.24          |
| 7032         | WESTERN         | 0              |                                   | No          | 15.29         | 4.40           | 10.89      | 862       | 30114           | 119         | 0.1      | 4.80          |
| 7042         | WESTERN         |                |                                   | Yes         | 40.04         | 14.00          | 26.04      | 1,579     | 35195           | 453         | 1.5      | 8.73          |
| 7122         | WESTERN         | 0              |                                   | Yes         | 31.65         | 6.93           | 24.72      | 1,641     | 194661          | 1667        | 0.1      | 7.52          |
| 7132         | WESTERN         | 0              |                                   | Yes         | 48.80         | 21.91          | 26.89      | 1,619     | 95033           | 2087        | 1.5      | 11.89         |
| 7157         | WESTERN         | 0              |                                   | Yes<br>No   |               | 9.11           | 23.90      | 1,517     | 69565           | 588         | 1.5      | 7.97          |
| 7172         | WESTERN         |                |                                   | Yes         | 0.70<br>27.22 | 0.08           | 0.62       | 1         | -               | -           | 0.1      | 2.21          |
| 7232         | WESTERN         | 1              |                                   | Yes         | 64.41         | 8.29           | 56.12      | 1,080     | 72098           | 851         | 0.1      | 5.99          |
| 7252         | WESTERN         |                |                                   | Yes         | 57.80         | 15.51          | 42.29      | 2,250     | 37797<br>582591 | 431<br>6450 | 0.5      | 11.98         |
| 7262         | WESTERN         | 0              |                                   | Yes         | 74.72         | 6.09           | 68.62      | 2,949     | 922053          | 5965        | 1        | 12.11         |
| 7272         | WESTERN         | 4              |                                   | Yes         | 77.71         | 2.90           | 74.82      | 2,543     | 662773          | 8511        | 0.5      | 12.47         |
| 7282         | WESTERN         |                |                                   | Yes         | 33.20         | 3.96           | 29.24      | 1,603     | 252219          | 2727        | 0.5      | 13.96<br>9.98 |
| 7292         | WESTERN         | 0              |                                   | Yes         | 36.79         | 4.55           | 32.24      | 1,981     | 113625          | 1187        | 0.1      |               |
| 7302         | WESTERN         | 0              |                                   | No          | 1.28          | 0.55           | 0.73       | 1         |                 |             | 0.5      | 11.68         |
| 7332         | WESTERN         | 0              |                                   | Yes         | 37.56         | 18.14          | 19.41      | 1,398     | 132049          | 1761        | 0.1      | 8.46          |
| 7342         | WESTERN         | 0              | 0                                 | Yes         | 42.09         | 15.60          | 26.48      | 3,312     | 702663          | 10450       | 2        | 14.68         |
| 7352         | WESTERN         | 0              | 1                                 | Yes         | 22.64         | 7.42           | 15.21      | 2,350     | 331135          | 3562        | 0.1      | 8.53          |
| 7362         | WESTERN         | 0              | 0                                 | Yes         | 15.06         | 6.67           | 8.38       | 1.951     | 43350           | 282         | 1        | 9.62          |
| 7372         | WESTERN         | 0              | 0                                 | Yes         | 43.87         | 28.36          | 15.51      | 2,711     | 174737          | 3534        | 0.5      | 12.07         |
| 7402         | WESTERN         | 0              |                                   | Yes         | 1.86          | 0.08           | 1.78       | 2         |                 |             | 0.5      | 0.92          |
| 7404         | WESTERN         | 0              |                                   | Yes         | 11.33         | 1.74           | 9.59       | 951       | 175906          | 2039        | 0.1      | 9.57          |
| 7406         | WESTERN         | 1              |                                   | Yes         | 22.73         | 1.04           | 21.69      | 2,145     | 379203          | 4011        | 0.5      | 9.97          |
| 7408         | WESTERN         | 0              |                                   | Yes         | 3.85          | 0.44           | 3.41       | 264       | 4965            | 77          | 0.1      | 2.63          |
| 7410         | WESTERN         | 0              |                                   | Yes         | 2.23          | 0.13           | 2.11       | 28        | 741             | 11          | 0.1      | 2.11          |
| 7414         | WESTERN         | 0              |                                   | Yes         | 2.92          | 0.84           | 2.09       | 91        | 388             | 3           | 0.1      | 2.21          |
| 7416         | WESTERN         | 1              |                                   | Yes         | 12.02         | 1.91           | 10.11      | 769       | 50138           | 374         | 0.1      | 8.59          |
| 7492         | WESTERN         | 0              |                                   | No          | 33.50         | 0.95           | 32.55      | 846       | 91817           | 1069        | 0.1      | 5.39          |
| 7512         | WESTERN         | 1              |                                   | Yes         | 25.23         | 4.96           | 20.27      | 1,697     | 588246          | 4033        | 0.5      | 10.72         |
| 7522         | WESTERN         | 0              |                                   | Yes         | 23.62         | 10.45          | 13.17      | 1,396     | 52082           | 399         | 0.5      | 11.77         |
| 7532<br>7542 | WESTERN         |                |                                   | Yes         | 24.41         | 21.11          | 3.30       | 1,289     | 39229           | 332         | 1        | 7.21          |
| 7542         | WESTERN         | 0              |                                   | Yes         | 10.70         | 9.90           | 0.79       | 349       | 21188           | 128         | 1        | 5.21          |
| 7572         | WESTERN WESTERN | 0              |                                   | No          | 0.01          | 0.00           | 0.01       | -         |                 |             | 0        | 0.00          |
| 7592         | WESTERN         |                |                                   | No          | 42.75         | 4.10           | 38.65      | 2,461     | 201402          | 1581        | 0.1      | 10.88         |
| 1332         | HEOTENN         |                | 0                                 | Yes         | 12.69         | 6.18           | 6.51       | 891       | 166146          | 1868        | 0.1      | 4.52          |

| (a)<br>Feeder ID | (b)<br>Sub Region | (c)<br>Number of<br>Overhead<br>Lateral Lines | (d)<br>Number of<br>Overhead<br>Lateral Miles | (e)<br>Number of<br>Customers<br>served on<br>Overhead<br>Lateral Lines | (f)<br>CMI for<br>Overhead<br>Lateral Lines | (g)<br>Cl for<br>Overhead<br>Lateral Lines. | (h)<br>Number of<br>Underground<br>Lateral Lines | (i)<br>Number of<br>Underground<br>Lateral Miles | (j)<br>Number of<br>Customers<br>served on<br>Underground<br>Lateral Lines | (k)<br>CMI for<br>Underground<br>Lateral Lines | (I)<br>CI for<br>Underground<br>Lateral-Lines |
|------------------|-------------------|-----------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------|--------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------|
| 7602             | WESTERN           | 29                                            | 4.76                                          | 192                                                                     | 903                                         | 10                                          | 39                                               | 3.48                                             | 432                                                                        | -                                              | -                                             |
| 7612             | WESTERN           | 86                                            | 14.70                                         | 1,154                                                                   | 96,017                                      | 967                                         | 51                                               | 5.32                                             | 726                                                                        | 33,399                                         | 117                                           |
| 7622             | WESTERN           | 48                                            | 10.12                                         | 943                                                                     | 17,204                                      | 264                                         | 19                                               | 2.53                                             | 354                                                                        | 4,850                                          | 52                                            |
| 7632             | WESTERN           | 94                                            | 13.56                                         | 1,104                                                                   | 23,280                                      | 191                                         | 13                                               | 4.86                                             | 453                                                                        | 24,912                                         | 78                                            |
| 7642             | WESTERN           | 43                                            |                                               | 927                                                                     | 33,395                                      | 860                                         | 21                                               | 3.70                                             | 551                                                                        | 16,712                                         | 49                                            |
| 7652             | WESTERN           | 12                                            |                                               | 37                                                                      | 9,483                                       | 78                                          | 25                                               | 3.68                                             | 108                                                                        | -                                              |                                               |
| 7662             | WESTERN           | 76                                            |                                               | 1,113                                                                   | 61,023                                      | 1,775                                       | 27                                               | 7.08                                             | 782                                                                        | 3,625                                          | 38                                            |
| 7682             | WESTERN           | 66                                            | 10.75                                         | 1,044                                                                   | 89,473                                      | 1,157                                       | 34                                               | 8.10                                             | 1,062                                                                      | 32,928                                         | 172                                           |
| 7692             | WESTERN           | 7                                             | 1.52                                          | 110                                                                     | 41,942                                      | 185                                         | 7                                                | 0.51                                             | 9                                                                          | -                                              | -                                             |
| 7702             | WESTERN           | 45                                            | 11.27                                         | 975                                                                     | 309,014                                     | 2,845                                       | 11                                               | 6.38                                             | 495                                                                        | 7,513                                          | 46                                            |
| 7712             | WESTERN           | 40                                            | 9.65                                          | 671                                                                     | 26,484                                      | 228                                         | 5                                                | 1.31                                             | 177                                                                        | -                                              |                                               |
| 7722             | WESTERN           | 46                                            | 12.30                                         | 1,018                                                                   | 49,456                                      | 524                                         | 1                                                | 0.74                                             | 48                                                                         | -                                              |                                               |
| 7742             | WESTERN           | 57                                            | 19.42                                         | 1,816                                                                   | 191,253                                     | 1,262                                       | 14                                               | 1.84                                             | 280                                                                        | -                                              | -                                             |
| 7752             | WESTERN           | 83                                            | 18.51                                         | 1,341                                                                   | 505,897                                     | 3,100                                       | 36                                               | 6.15                                             | 730                                                                        | 56,544                                         | 272                                           |
| 7762             | WESTERN           | 50                                            | 11.95                                         | 1,243                                                                   | 16,219                                      | 154                                         | 5                                                | 0.40                                             | 42                                                                         | -                                              | -                                             |
| 7772             | WESTERN           | 39                                            | 6.44                                          | 392                                                                     | 67,314                                      | 719                                         | 12                                               | 1.38                                             | 254                                                                        | •                                              | -                                             |
| 7782             | WESTERN           | 78                                            | 13.76                                         | 1,006                                                                   | 84,285                                      | 557                                         | 12                                               | 1.12                                             | 133                                                                        |                                                | -                                             |
| 7792             | WESTERN           | 91                                            | 21.27                                         | 1,371                                                                   | 151,291                                     | 2,001                                       | 19                                               | 9.36                                             | 689                                                                        | 14,541                                         | 96                                            |
| 7802             | WESTERN           | 27                                            | 5.92                                          | 274                                                                     | 2,705                                       | 193                                         | 30                                               | 5.25                                             | 719                                                                        | 3,538                                          | 27                                            |
| 7822             | WESTERN           | 45                                            | 7.78                                          | 426                                                                     | 13,084                                      | 151                                         | 29                                               | 7.61                                             | 1,451                                                                      | 319                                            | 2                                             |
| 7832             | WESTERN           | 121                                           | 29.71                                         | 1,808                                                                   | 881,760                                     | 9,687                                       | 21                                               | 9.15                                             | 1,154                                                                      | 38,475                                         | 384                                           |
| 7842             | WESTERN           | 152                                           | 31.65                                         | 1,640                                                                   | 477,394                                     | 3,995                                       | 44                                               | 11.64                                            | 940                                                                        | 51,523                                         | 399                                           |
| 7872             | WESTERN           | 31                                            | 5.77                                          | 343                                                                     | 15,293                                      | 135                                         | 19                                               | 1.48                                             | 66                                                                         | •                                              | -                                             |
| 7882             | WESTERN           | 55                                            | 11.87                                         | 633                                                                     | 49,091                                      | 460                                         | 29                                               | 3.89                                             | 256                                                                        | 2,823                                          | 7                                             |
| 7892             | WESTERN           | 0                                             | 0.00                                          | 11                                                                      | -                                           | -                                           | 1                                                | 1.02                                             | 89                                                                         | -                                              | -                                             |
| 7902             | CENTRAL           | 178                                           | 45.47                                         | 1,635                                                                   | 246,230                                     | 1,983                                       | 31                                               | 5.11                                             | 312                                                                        | 46,141                                         | 272                                           |
| 7912             | CENTRAL           | 167                                           | 56.41                                         | 1,490                                                                   | 530,533                                     | 4,965                                       | 16                                               | 1.35                                             | 95                                                                         | -                                              |                                               |
| 7922             | WESTERN           | 85                                            | 13.64                                         | 919                                                                     | 102,174                                     | 1,153                                       | 32                                               | 14.79                                            | 1,161                                                                      | 5,132                                          | 30                                            |
| 7932             | WESTERN           | 70                                            | 14.27                                         | 1,004                                                                   | 57,212                                      | 613                                         | 54                                               | 8.38                                             | 969                                                                        | 47,206                                         | 156                                           |
| 7942             | WESTERN           | 55                                            | 5.46                                          | 517                                                                     | 8,227                                       | 57                                          | 27                                               | 2.47                                             | 136                                                                        |                                                | -                                             |
| 7952             | CENTRAL           | 23                                            | 8.94                                          | 176                                                                     | 29,299                                      | 237                                         | 3                                                | 0.23                                             | 4                                                                          | -                                              |                                               |
| 7962             | CENTRAL           | 52                                            | 18.31                                         | 289                                                                     | 44,065                                      | 138                                         | 2                                                | 0.12                                             | 1                                                                          |                                                |                                               |
| 7992             | EASTERN           | 0                                             | 0.00                                          | -                                                                       | -                                           | -                                           | 0                                                | 0.00                                             |                                                                            | -                                              | •                                             |
| 8012             | EASTERN           | 3                                             | 1,40                                          | 14                                                                      | -                                           | -                                           | 8                                                | 0.48                                             | 5                                                                          | -                                              | -                                             |
| 8032             | EASTERN           | 33                                            | 22.01                                         | 192                                                                     | 1,894                                       | 20                                          | 24                                               | 11.54                                            | 38                                                                         | -                                              | -                                             |
| 8062             | EASTERN           | 143                                           | 67.83                                         | 1,514                                                                   | 82,313                                      | 820                                         | 56                                               | 12.76                                            | 635                                                                        | 15,759                                         | 81                                            |
| 8112             | EASTERN           | 55                                            | 10.70                                         | 1,511                                                                   | 164,116                                     | 2,499                                       | 32                                               | 2.45                                             | 1,959                                                                      | 3,837                                          | 64                                            |
| 8122             | EASTERN           | 30                                            | 5.96                                          | 225                                                                     | 97,903                                      | 888                                         | 25                                               | 12.95                                            | 1,361                                                                      | 3,305                                          | 22                                            |
| 8132             | EASTERN           | 38                                            | 12.40                                         | 366                                                                     | 24,661                                      | 194                                         | 46                                               | 33.25                                            | 1,859                                                                      | 4,819                                          | 32                                            |
| 8142             | EASTERN           | 0                                             | 0.00                                          | -                                                                       | -                                           | -                                           | 0                                                | 0.00                                             | -                                                                          | -                                              |                                               |
| 8162             | CENTRAL           | 49                                            | 13.23                                         | 446                                                                     | 207,833                                     | 1,477                                       | 54                                               | 24.86                                            | 1,558                                                                      | 1,895                                          | 14                                            |
| 8172             | CENTRAL           | 3                                             | 1.13                                          | 22                                                                      | 189                                         | 2                                           | 15                                               | 17.24                                            | 1,751                                                                      | 6,614                                          | 28                                            |
| 8182             | CENTRAL           | 0                                             | 0.00                                          | -                                                                       | _                                           | -                                           | 14                                               | 4.31                                             | 1,160                                                                      | 463                                            | 11                                            |
| 8202             | EASTERN           | 89                                            | 23.80                                         | 1,453                                                                   | 160,728                                     | 1,242                                       | 31                                               | 5.29                                             | 572                                                                        | 13,905                                         | 131                                           |
| 8222             | EASTERN           | 0                                             | 0.82                                          | 3                                                                       | -                                           | •                                           | 5                                                | 21.87                                            | 883                                                                        | -                                              | -                                             |
| 8232             | EASTERN           | 0                                             | 0.00                                          | -                                                                       | -                                           | -                                           | 0                                                | 0.00                                             | -                                                                          | •                                              |                                               |
| 8252             | EASTERN           | 0                                             | 0.00                                          | -                                                                       | -                                           | -                                           | 0                                                | 0.00                                             | -                                                                          | -                                              |                                               |

|              |            |                |                |             |               |                |            |                |          |             | l        |              |
|--------------|------------|----------------|----------------|-------------|---------------|----------------|------------|----------------|----------|-------------|----------|--------------|
|              |            | (m)            | (n)            |             |               |                | (u)        | (v)            |          |             |          |              |
|              |            | Number of      | Number of      | (o)         |               | (q)            | Length of  | Number of      |          |             |          |              |
|              |            | Automatic line | Automatic line | Whether the | (P)           | Length of      | Overhead   | Customers      | (w)      | (x)         |          |              |
|              |            | Sectionalizing | Sectionalizing | Feeder      | Total Length  | Underground    | portion of | served by      | CMI for  | CI for      | (y)      |              |
| (a)          | (b)        | devices on the | devices on the | Circuit is  | of the Feeder | portion of the | the Feeder | Overhead       | Overhead | Overhead    | Load     | (z) Peak Loa |
| Feeder ID    | Sub Region | Lateral Lines  | Feeder         | Loop        | Circuit       | Feeder Circuit | Circuit    | Feeders        | Feeders  | Feeders     | Growth % | MVA          |
| 7602         | WESTERN    | 0              | 0              | No          | 9.47          | 3.48           | 5.99       | 624            | 1744     | 633         | 0.1      | 5.1          |
| 7612         | WESTERN    | 2              | 0              | Yes         | 22.08         | 5.32           | 16.76      | 1,880          | 129416   | 1084        | 0.5      | 12.0         |
| 7622         | WESTERN    | 0              |                | Yes         | 14.40         | 2.53           | 11.87      | 1,297          | 22054    | 316         | 0.1      | 7.1          |
| 7632         | WESTERN    | 0              |                | No          | 19.95         |                | 15.09      | 1,557          | 48192    | 269         | 0,1      | 7.3          |
| 7642         | WESTERN    | 2              |                | No          | 16.01         | 3.70           | 12.31      | 1,478          | 50107    | 909         | 0.1      | 6.6          |
| 7652         | WESTERN    | 0              |                | Yes         | 7.65          | 3.89           | 3.75       | 145            | 9483     | 78          | 0.1      | 7.4          |
| 7662         | WESTERN    | 0              | -              | No          | 26.84         | 7.08           | 19.76      | 1,895          | 64648    | 1813        | 0.5      | 11.3         |
| 7682         | WESTERN    | 0              |                | No          | 23.24         | 8.29           | 14.96      | 2,106          | 122401   | 1329        | 0.1      | 9.1          |
| 7692         | WESTERN    | 0              |                | Yes         | 3.58          | 0.51           | 3.07       | 119            | 41942    | 185         | 0.1      | 1.5          |
| 7702         | WESTERN    | 0              |                | Yes         | 19.90         | 6.38           | 13.52      | 1,470          | 437516   | 4503        | 0.5      | 8.0          |
| 7712         | WESTERN    | 0              |                | Yes         | 12.67         | 1.31           | 11.36      | 848            | 30619    | 1055        | 0.1      | 3.7          |
| 7722         | WESTERN    | 0              |                | Yes         | 16.29         | 0.74           | 15.55      | 1,066          | 49456    | 524         | 0.5      | 4.6          |
| 7742         | WESTERN    | 2              |                | Yes         | 24.16         | 1.84           | 22.33      | 2,096          | 191253   | 1262        | 0.1      | 8.3          |
| 7752         | WESTERN    | 0              |                | Yes         | 28.15         |                | 21.99      | 2,071          | 853683   | 7470        | 0.1      | 9.3          |
| 7762         | WESTERN    | 0              |                | Yes         | 14.88         | 0.40           | 14.48      | 1,285          | 16219    | 154         | 0.1      | 5.4          |
| 7772         | WESTERN    | 1              |                | Yes         | 10.14         | 1.38           | 8.76       | 646            | 79993    | 1128        | 0.1      | 6.1          |
| 7782         | WESTERN    | 2              |                | Yes         | 17.07         | 1.12           | 15.95      | 1,139          | 84285    | 557         | 0.5      | 10.9         |
| 7792         | WESTERN    | 0              |                | Yes         | 32.75         | 9.36           | 23.39      | 2,060          | 230962   | 4157        | 1        | 11.5         |
| 7802         | WESTERN    | 0              |                | No          | 12.70         | 5.25           | 7.45       | 993            | 6242     | 220         | 0.5      | 12.37        |
| 7822         | WESTERN    | 0              |                | No          | 17.99         | 7.61           | 10.38      | 1,877          | 356597   | 1969        | 0.5      | 8.4          |
| 7832<br>7842 | WESTERN    | 2              |                | No          | 42.94         | 9.15           | 33.79      | 2,962          | 920235   | 10071       | 0.1      | 12.35        |
| 7872         | WESTERN    | 3              |                | No          | 45.92         | 11.64          | 34.28      | 2,580          | 528995   | 4395        | 0.1      | 13.97        |
| 7872         | WESTERN    | 0              |                | Yes         | 9.56          | 1.48           | 8.08       | 409            | 15293    | 135         | 0.5      | 11.35        |
| 7892         | WESTERN    |                |                | Yes<br>No   | 16.68         | 3.89           | 12.79      | 889            | 51915    | 467         | 2        | 13.1         |
| 7902         | CENTRAL    |                |                | No          | 1.57<br>54.96 | 1.02           | 0.56       | 100            | -        | 0055        | 0.5      | 12.2         |
| 7902         | CENTRAL    | 2              |                | No          | 63.99         | 5.11           | 49.85      | 1,947<br>1,585 | 292371   | 2255        | 0.1      | 12.39        |
| 7912         | WESTERN    |                |                | No          | 31.03         | 1.35           | 16.24      | 2,080          | 535234   | 6532        | 0.1      | 8.02         |
| 7932         | WESTERN    | 2              |                | No          | 24,58         | 8.38           | 16.24      | 1,973          | 107307   | 1183<br>769 | 0.5      | 10.76        |
| 7932         | WESTERN    | 2              |                | Yes         | 12.41         | 3.15           | 9.27       | 653            | 8227     | 769         | 0.1      | 13.46        |
| 7952         | CENTRAL    | 0              |                | No          | 13.11         | 0.26           | 12.84      | 180            | 40953    | 360         | 0.5      | 10.49        |
| 7952         | CENTRAL    |                |                | No          | 19.19         | 0.12           | 12.84      | 290            | 40953    | 138         | 0.1      | 1.10         |
| 7992         | EASTERN    |                |                | No          | 0.09          | 0.12           | 0.09       | - 290          | 44065    | - 130       | 0.1      | 1.1          |
| 8012         | EASTERN    | 0              |                | No          | 2.28          | 0.73           | 1.55       | - 19           |          |             | 0.1      | 1.20         |
| 8032         | EASTERN    |                |                | No          | 36.49         | 11.54          | 24.95      | 230            | 1894     | 20          | 0.1      | 1.20         |
| 8062         | EASTERN    | 11             |                | Yes         | 88.05         | 12.76          | 75.29      | 2.149          | 105476   | 20          | 1.5      | 1.10         |
| 8112         | EASTERN    | 0              |                | Yes         | 15.45         | 3.07           | 12.38      | 3,470          | 167954   | 2563        | 0.5      | 13.70        |
| 8122         | EASTERN    | 0              |                | Yes         | 19.82         | 12.95          | 6.87       | 1,586          | 248039   | 2503        | 1.5      | 12.22        |
| 8132         | EASTERN    | 1              |                | No          | 47,42         | 33.25          | 14.17      | 2,225          | 29480    | 2300        | 3        | 12.87        |
| 8142         | EASTERN    | 0              |                | No          | 0.01          | 0.00           | 0.01       |                | 20400    | 220         |          | 0.00         |
| 8162         | CENTRAL    | 0              |                | No          | 39.93         | 25.07          | 14.86      | 2,004          | 291062   | 3454        | 2.5      | 12.08        |
| 8172         | CENTRAL    |                |                | Yes         | 19.13         | 18.00          | 1.13       | 1,773          | 6803     | 3454        | 2.5      | 12.00        |
| 8182         | CENTRAL    | 0              |                | Yes         | 6.63          | 5.41           | 1.22       | 1,160          | 463      | 11          | 0.5      | 8.83         |
| 8202         | EASTERN    |                |                | Yes         | 31.62         | 5.29           | 26.33      | 2,025          | 181802   | 3402        | 0.5      | 10.82        |
| 8222         | EASTERN    | 0              |                | No          | 22.79         | 21.87          | 0.92       | 886            | 101002   |             | 0.1      | 7.04         |
| 8232         | EASTERN    |                |                | No          | 0.02          | 0.00           | 0.92       |                |          |             | 0.1      | 4.58         |
| JEUL         | EASTERN    | 0              |                | No          | 0.02          | 0.00           | 0.02       | -              |          |             | 0.1      | 4.58         |

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| <b></b>      | <u> </u>        |                |               |               | 1             | r                 |               |                       |               | 1              |               |
|--------------|-----------------|----------------|---------------|---------------|---------------|-------------------|---------------|-----------------------|---------------|----------------|---------------|
|              |                 |                |               | (e)           |               |                   |               |                       | (i)           |                |               |
|              |                 |                |               | Number of     |               |                   |               |                       | Number of     |                |               |
| 1            |                 | (c)            | (d)           | Customers     | (1)           | (g)               | (h)           | (i)                   | Customers     | (L)            |               |
|              |                 | Number of      | Number of     | served on     | CMI for       | CI for            | Number of     | Number of             | served on     | (k)<br>CMI for | (I)<br>Cl for |
| (a)          | (b)             | Overhead       | Overhead      | Overhead      | Overhead      | Overhead          | Underground   | Underground           |               |                |               |
| Feeder (D    | Sub Region      | Lateral Lines  | Lateral Miles | Lateral Lines | Lateral Lines | Lateral Lines     | -             | -                     | Underground   | Underground    | Underground   |
| 8262         | EASTERN         | Lateral Lilles | 5.42          |               | Lateral Lines | Lateral Lines     | Lateral Lines | Lateral Miles<br>0.81 | Lateral Lines | Lateral Lines  | Lateral Lines |
| 8282         | EASTERN         | 112            | 25.65         | 1,969         | 52,203        | 514               | 44            | 5.63                  | 8             | 9,320          | 65            |
| 8332         | EASTERN         | 96             | 37.01         | 1,303         | 294,864       | 2,692             | 72            | 22.55                 | 1,332         | 23,787         | 157           |
| 8342         | EASTERN         | 96             | 27.64         | 1,994         | 91,835        | 633               | 42            | 3.18                  | 460           | 7,053          | 35            |
| 8352         | EASTERN         | 68             |               | 1,159         | 83,244        | 1,217             | 28            | 2.92                  | 1,695         | - 7,000        |               |
| 8362         | EASTERN         | 58             | 16.09         | 794           | 10,078        | 174               | 33            | 13.29                 | 2.104         | 25,875         | 95            |
| 8372         | EASTERN         | 13             | 1.50          | 112           | 152           | 1                 | 17            | 6.00                  | 779           | 134            | 1             |
| 8382         | EASTERN         | 7              | 0.73          | 24            | 9,768         | 154               | 7             | 1.31                  | 88            | 1.120          | 4             |
| 8392         | EASTERN         | 62             | 13.80         | 1.096         | 48,205        | 355               |               | 2.05                  | 384           | 1,831          | 20            |
| 8412         | EASTERN         | 87             | 15.37         | 1,288         | 213,117       | 1,789             | 42            | 2.00                  | 414           | 4,744          | 78            |
| 8432         | EASTERN         | 73             | 13.09         | 1,360         | 200,353       | 1,948             | 15            | 1.19                  | 312           | 7,/77          | /0            |
| 8442         | EASTERN         | 70             | 10.23         | 1,015         | 16.890        | 214               | 13            | 0.96                  | 121           | 60             |               |
| 8452         | EASTERN         |                | 6.45          | 261           | 40,486        | 280               | 56            | 7.89                  | 713           | 180            | 2             |
| 8472         | EASTERN         | 112            | 20.62         | 2,121         | 168,090       | 2.822             | 24            | 3.10                  | 496           |                | -             |
| 8482         | EASTERN         | 48             | 10.51         | 586           | 205,880       | 1.263             | 33            | 2.16                  | 237           |                |               |
| 8492         | EASTERN         | 29             | 3.89          | 264           | 14,852        | 226               | 12            | 1.29                  | 114           | -              |               |
| 8512         | EASTERN         | 46             | 15.90         | 830           | 574,248       | 4,743             | 47            | 14.94                 | 1.668         | 459,619        | 2,324         |
| 8522         | EASTERN         | 52             | 12.45         | 651           | 155,477       | 2,561             | 49            | 19.32                 | 1,944         | 63,871         | 311           |
| 8532         | EASTERN         | 23             | 3.15          | 148           | 1,377         | 20                | 29            | 2.98                  | 1,614         | -              | -             |
| 8542         | EASTERN         | 21             | 0.82          | 82            | 60,120        | 550               | 15            | 1.32                  | 2,067         | 22.423         | 142           |
| 8552         | EASTERN         | 20             | 3.59          | 360           | 163,785       | 2,186             | 22            | 6.83                  | 2,463         | 41,151         | 502           |
| 8562         | EASTERN         | 79             | 11.59         | 1,132         | 25,301        | 305               | 45            | 10.33                 | 1,419         | 12,369         | 104           |
| 8572         | EASTERN         | 113            | 25.58         | 1,869         | 370,939       | 1,829             | 40            | 5.58                  | 698           | 10,686         | 86            |
| 8582         | EASTERN         | 56             | 11.64         | 1,145         | 567,741       | 7,259             | 20            | 8.39                  | 1,872         | 2,184          | 14            |
| 8592         | EASTERN         | 0              | 0.38          | 10            | -             | -                 | 11            | 0.35                  | 1             | -              | -             |
| 8602         | EASTERN         | 102            | 23.11         | 1,249         | 191,258       | 5,253             | 44            | 19.48                 | 1,433         | 12,830         | 70            |
| 8612         | EASTERN         | 49             | 12.86         | 545           | 18,359        | 210               | 15            | 4.69                  | 111           | -              | -             |
| 8622         | EASTERN         | 76             | 13.66         | 638           | 75,937        | 404               | 32            | 8.94                  | 507           | 32,145         | 208           |
| 8642         | EASTERN         | 59             | 9.66          | 1,255         | 199,337       | 2,668             | 45            | 10.52                 | 1,320         | 205,547        | 820           |
| 8672         | EASTERN         | 31             | 7.14          | 310           | 21,463        | 258               | 47            | 24.45                 | 1,841         | 223,325        | 1,051         |
| 8682         | EASTERN         | 58             | 11.31         | 1,212         | 295,005       | 1,607             | 39            | 9.65                  | 1,966         | 72,467         | 209           |
| 8702         | EASTERN         | 71             | 18.14         | 1,768         | 23,275        | 397               | 17            | 0.97                  | 95            | 252            | 1             |
| 8712         | EASTERN         | 70             | 15.28         | 1,321         | 66,075        | 580               | 30            | 3.20                  | 135           | 1,935          | 16            |
| 8722         | EASTERN         | 124            | 27.03         | 1,987         | 204,755       | 2,005             | 22            | 1.49                  | 298           | 15,955         | 69            |
| 8732         | EASTERN         | 87             | 19.65         | 2,087         | 354,196       | 3,161             | 19            | 1.54                  | 243           | 15,251         | 102           |
| 8782         | EASTERN         | 36             | 8.62          | 254           | 29,799        | 110               | 40            | 2.76                  | 227           | -              | -             |
| 8792         | EASTERN         | 171            | 40.16         | 2,591         | 285,081       | 4,065             | 32            | 4.14                  | 384           | •              | -             |
| 8802         | EASTERN         | 86             | 22.47         | 1,369         | 22,476        | 224               | 38            | 14.48                 | 1,201         | 7,830          | 42            |
| 8812         | EASTERN         | 74             | 17.40         | 1,285         | 161,244       | 1,752             | 60            | 11.43                 | 1,537         | 37,767         | 138           |
| 8822         | EASTERN         | 98             | 23.48         | 1,531         | 53,517        | 605               | 54            | 9.71                  | 1,731         | 794            | 10            |
| 8842         | CENTRAL         | 7              | 0.69          | 37            | 24,317        | 187               | 18            | 8.29                  | 567           | 3,645          | 58            |
| 8852<br>8872 | EASTERN         | 83             | 20.44         | 1,510<br>317  | 84,369        | 677               | 15            | 1.30                  | 144           | -              | •             |
|              | CENTRAL         | 22             | 7.51          |               | 36,295        | 260               | 30            | 6.99                  | 605           | 7,554          | 42            |
| 8882<br>8892 | CENTRAL CENTRAL | 22             | 3.60          | 670<br>520    | 80,609        | <u>825</u><br>131 | 56            | 8.79                  | 2,096         | 19,838         | 92            |
| 8892         | CENTRAL         | 85             | 5.05<br>26.50 | 694           | 26,496        | 903               | 43            | 9.16                  | 1,892         | 36,598         | 409           |
| 8932         | CENTRAL         | 12             | 26.50         | 694<br>34     | 79,838        | 903               | 18            | 4.31                  | 218<br>8      |                |               |
| 0342         |                 | 12             | 1,37          | 34            |               |                   | 8             | 0.29                  | ø             | -              |               |

|           |            |                |                |             |               |                | ···        |           |          | <u> </u> |          |               |
|-----------|------------|----------------|----------------|-------------|---------------|----------------|------------|-----------|----------|----------|----------|---------------|
|           |            | (m)            | (n)            |             |               |                | (u)        | (v)       |          |          |          |               |
|           |            | Number of      | Number of      | (0)         |               | (q)            | Length of  | Number of |          |          |          |               |
|           |            | Automatic line | Automatic line | Whether the | (p)           | Length of      | Overhead   | Customers | (w)      | (x)      |          |               |
|           |            | Sectionalizing | Sectionalizing | Feeder      | Total Length  | Underground    | portion of | served by | CMI for  | CI for   | (y)      |               |
| (a)       | (b)        | devices on the | devices on the | Circuit is  | of the Feeder | portion of the | the Feeder | Overhead  | Overhead | Overhead | Load     | (z) Peak Load |
| Feeder ID | Sub Region | Lateral Lines  | Feeder         | ·Loop       | Circuit       | Feeder Circuit | - Circuit  | Feeders   | Feeders  | Feeders  | Growth % |               |
| 8262      | EASTERN    | 1              |                | No          | 7.41          | 0.81           | 6.60       |           | 3591     | 9        | 0.1      | 10.51         |
| 8282      | EASTERN    |                | 0              | No          | 32.51         | 5.63           | 26.88      | 2,711     | 61523    | 579      | 0.1      | 11.17         |
| 8332      | EASTERN    | 2              | 0              | Yes         | 63.14         | 22.55          | 40.58      | 3,103     | 542540   | 6033     | 0.5      | 12.60         |
| 8342      | EASTERN    | 4              |                | Yes         | 32.55         | 3.18           | 29.38      | 2,454     | 98888    | 668      | 0.1      | 11.20         |
| 8352      | EASTERN    | 1              | 0              | No          | 17.00         | 2.92           | 14.08      | 2.854     | 83244    | 1217     | 2        | 12.93         |
| 8362      | EASTERN    | 1              | 1              | No          | 31.85         | 13.29          | 18.56      | 2,898     | 35953    | 269      | 2        | 10.8          |
| 8372      | EASTERN    | 0              | 0              | Yes         | 8.86          | 6.00           | 2.86       | 891       | 286      | 2        | 1.5      | 11.39         |
| 8382      | EASTERN    | 0              | 0              | Yes         | 3.02          | 1.31           | 1.70       | 112       | 37865    | 267      | 0.5      | 8.78          |
| 8392      | EASTERN    | 1              | 0              | Yes         | 17.66         | 2.05           | 15.61      | 1,480     | 50035    | 375      | 0.1      | 8.50          |
| 8412      | EASTERN    | 0              | 0              | No          | 20.55         | 2.20           | 18.35      | 1,702     | 506856   | 5299     | 1.5      | 12.97         |
| 8432      | EASTERN    | 0              | 2              | Yes         | 15.91         | 1.19           | 14.72      | 1,672     | 200353   | 1948     | 0        | 7.36          |
| 8442      | EASTERN    | 3              | 0              | Yes         | 13.38         | 0.96           | 12.43      | 1,136     | 16950    | 215      | 0.1      | 6.39          |
| 8452      | EASTERN    | 1              | 0              | Yes         | 16.20         | 7.89           | 8.30       |           | 100474   | 1255     | 0.1      | 11.58         |
| 8472      | EASTERN    | 1              | 0              | Yes         | 27.95         | 3.15           | 24.80      | 2,617     | 168090   | 2822     | 0.1      | 11.49         |
| 8482      | EASTERN    | 0              | 0              | Yes         | 16.36         | 2.16           | 14.20      | 823       | 205880   | 1263     | 0.1      | 11.47         |
| 8492      | EASTERN    | 0              | 0              | Yes         | 6.19          | 1.29           | 4.90       | 378       | 14852    | 226      | 0.1      | 2.94          |
| 8512      | EASTERN    | 2              | 0              | No          | 32.58         | 15.93          | 16.65      | 2,498     | 1033867  | 7067     | 1.5      | 13.65         |
| 8522      | EASTERN    | 1              | 0              | No          | 34.64         | 19.50          | 15.14      | 2,595     | 219348   | 2872     | 1        | 14.74         |
| 8532      | EASTERN    | 0              | 0              | No          | 6.91          | 2.98           | 3.93       | 1,762     | 1377     | 20       | 0.5      | 11.49         |
| 8542      | EASTERN    | 0              |                | Yes         | 3.59          | 1.35           | 2.24       | 2,149     | 82543    | 692      | 3        | 13.81         |
| 8552      | EASTERN    | 0              |                | Yes         | 13.70         | 6.86           | 6.84       | 2,823     | 204936   | 2688     | 0.5      | 8.80          |
| 8562      | EASTERN    | 3              |                | Yes         | 27.90         | 10.67          | 17.22      | 2,551     | 37670    | 409      | 1        | 12.36         |
| 8572      | EASTERN    | 3              |                | Yes         | 33.22         | 5.58           | 27.64      | 2,567     | 607273   | 13610    | 0.5      | 13.34         |
| 8582      | EASTERN    | 1              |                | Yes         | 22.03         | 8.39           | 13.63      | 3,017     | 569925   | 7273     | 1        | 15.07         |
| 8592      | EASTERN    | 0              |                | No          | 1.81          | 0.35           | 1.46       | 11        | -        | -        | 0.5      | 6.28          |
| 8602      | EASTERN    | 4              |                | No          | 45.25         | 19.48          | 25.77      | 2,682     | 674894   | 11889    | 1        | 13.56         |
| 8612      | EASTERN    | 4              |                | Yes         | 22.10         | 4.69           | 17.41      | 656       | 18359    | 210      | 0.1      | 4.91          |
| 8622      | EASTERN    | 0              |                | Yes         | 27.45         | 8.94           | 18.51      | 1,145     | 210329   | 3609     | 0.5      | 12.57         |
| 8642      | EASTERN    | 0              | -              | No          | 22.08         | 10.52          | 11.56      | 2,575     | 404884   | 3488     | 0.5      | 9.97          |
| 8672      | EASTERN    | 1              |                | Yes         | 34.16         | 24.45          | 9.71       | 2,151     | 244789   | 1309     | 2        | 13.33         |
| 8682      | EASTERN    | 3              |                | No          | 22.93         | 9.65           | 13.29      | 3,178     | 367473   | 1816     | 0.5      | 12.61         |
| 8702      | EASTERN    | 2              |                | Yes         | 22.08         | 0.97           | 21.11      | 1,863     | 23527    | 398      | 0.1      | 8.22          |
| 8712      | EASTERN    | 2              |                | Yes         | 21.94         | 3.25           | 18.68      | 1,456     | 273507   | 2052     | 0.1      | 13.11         |
| 8722      | EASTERN    | 3              |                | Yes         | 30.82         | 1.49           | 29.33      | 2,285     | 220710   | 2074     | 0.1      | 10.65         |
| 8732      | EASTERN    | 5              |                | Yes         | 24.03         | 1.63           | 22.40      | 2,330     | 369447   | 3263     | 0.1      | 9.84          |
| 8782      | EASTERN    | 1              |                | Yes         | 12.09         | 2.78           | 9.31       | 481       | 29799    | 110      | 0.1      | 9.24          |
| 8792      | EASTERN    | 4              |                | Yes         | 47.86         | 4.14           | 43.72      | 2,975     | 315071   | 7064     | 0.1      | 13.13         |
| 8802      | EASTERN    | 5              |                | No          | 38.16         | 14.48          | 23.67      | 2,570     | 33851    | 2829     | 0.1      | 12.74         |
| 8812      | EASTERN    | 1              |                | Yes         | 32.28         | 11.43          | 20.85      | 2,822     | 199011   | 1890     | 1.5      | 14.88         |
| 8822      | EASTERN    | 2              |                | No          | 36.07         | 9.71           | 26.36      | 3,262     | 54311    | 615      | 0.5      | 16.09         |
| 8842      | CENTRAL    | 0              |                | Yes         | 9.85          | 8.29           | 1.56       | 604       | 39812    | 3315     | 2        | 17.20         |
| 8852      | EASTERN    | 3              |                | Yes         | 24.91         | 1.30           | 23.61      | 1,654     | 84369    | 677      | 0.1      | 8.77          |
| 8872      | CENTRAL    | 0              |                | No          | 14.86         | 6.99           | 7.87       | 922       | 43849    | 302      | 1        | 9.55          |
| 8882      | CENTRAL    | 0              |                | Yes         | 14.60         | 9.74           | 4.87       | 2,766     | 100447   | 917      | 1        | 9.81          |
| 8892      | CENTRAL    | 1              |                | Yes         | 17.58         | 10.51          | 7.07       | 2,412     | 293972   | 5384     | 0.5      | 11.51         |
| 8932      | CENTRAL    | 0              |                | No          | 33.32         | 4.31           | 29.01      | 912       | 79838    | 903      | 1        | 7.04          |
| 8942      | CENTRAL    | 0              | 0              | No          | 3.50          | 0.29           | 3.20       | 42        | 7841     | 42       | 2        | 1.59          |

|              | 1 1                | 1             |               | ··· · · · · · · · · · · · · · | [                | 1             |               |               |               |                    | 1             |
|--------------|--------------------|---------------|---------------|-------------------------------|------------------|---------------|---------------|---------------|---------------|--------------------|---------------|
|              |                    |               |               | (e)                           |                  |               |               |               | (1)           |                    |               |
|              |                    |               |               | Number of                     |                  |               |               |               | Number of     |                    |               |
| 1            | 1                  | (c)           | (d)           | Customers                     | (f)              | (g)           | (h)           | (1)           | Customers     | (k)                | (1)           |
|              |                    | Number of     | Number of     | served on                     | CMI for          | Cl for        | Number of     | Number of     | served on     | CMI for            | Cl for        |
| (a)          | (b)                | Overhead      | Overhead      | Overhead                      | Overhead         | Overhead      | Underground   | Underground   | Underground   | Underground        | Underground   |
| Feeder ID    | Sub Region         | Lateral Lines | Lateral Miles | Lateral Lines                 | Lateral Lines    | Lateral Lines | Lateral Lines | Lateral Miles | Lateral Lines | Lateral Lines      | Lateral Lines |
| 8952         | EASTERN            | 8             | 11.37         | 3                             | 162              | 3             | 3             | 0.28          | -             | - Buttertar Entros | -             |
| 8962         | EASTERN            | 58            | 14.32         | 1,221                         | 244,530          | 1,772         | 46            | 13.25         | 1,561         | 68,167             | 418           |
| 8972         | EASTERN            | 86            | 32.11         | 2,406                         | 54,822           | 486           | 21            | 14.42         | 917           | 30,918             | 89            |
| 8982         | CENTRAL            | 11            | 1.92          | 190                           | 6,160            | 32            | 24            | 1.89          | 364           | 1,905              | 12            |
| 8992         | CENTRAL            | 0             | 0.00          | -                             | -                | -             | 0             | 0.00          | -             | -                  |               |
| 9042         | CENTRAL            | 59            | 8.63          | 488                           | 83,629           | 832           | 62            |               | 2,173         | 5,524              | 32            |
| 9052         | CENTRAL            | 46            | 10.80         | 1,147                         | 53,246           | 457           | 34            | 4.75          | 717           | 16,276             | 85            |
| 9062         | CENTRAL            | 17            | 1.75          | 179                           | 400,833          | 1,809         | 18            | 6.05          | 721           | 13,444             | 210           |
| 9072         | CENTRAL            | 0             | 0.00          | -                             | -                | -             | 0             |               | -             | -                  | -             |
| 9082         | CENTRAL            | 16            | 1.70          | 239                           | 13,217           | 169           | 38            | 10.99         | 2,334         | 166,275            | 773           |
| 9092         | EASTERN            | 5             | 3.15          | 9                             | 204              | 1             | 0             | 0.00          | -             | -                  | -             |
| 9112         | EASTERN            | 89            | 44.53         | 960                           | 161,451          | 1,665         | 23            | 2.80          | 150           | 5,436              | 45            |
| 9122         | EASTERN            | 15            | 6.96          | 227                           | 10,242           | 123           | 4             | 0.61          | 7             | -                  | -             |
| 9132         | CENTRAL            | 85            | 11.95         | 834                           | 129,362          | 1,168         | 76            |               | 1,391         | 531                | 4             |
| 9142         | CENTRAL            | 117           | 20.17         | 1,636                         | 68,985           | 613           | 42            | 4.60          | 453           | •                  | -             |
| 9152         | CENTRAL            | 78            | 14.56         | 1,225                         | 79,044           | 824           | 45            | 3.68          | 533           | 2,671              | 19            |
| 9162         | CENTRAL            | 58            | 14.11         | 787                           | 16,233           | 339           | 11            | 2.46          | 334           | 17,346             | 201           |
| 9172         | CENTRAL            | 46            | 14.66         | 1,370                         | 224,730          | 2,662         | 24            | 9.94          | 778           | 48,178             | 237           |
| 9182         | CENTRAL            | 159           | 68.06         | 779                           | 64,499           | 666           | 11            | 1.02          | 14            | 270                | 4             |
| 9192         | CENTRAL            | 127           | 36.99         | 2,101                         | 146,707          | 1,720         | 20            | 3.17          | 226           | 707                | 22            |
| 9202         | EASTERN            | 72            | 35.71         | 661                           | 103,965          | 989           | 11            | 0.83          | 35            | · · ·              | -             |
| 9212         | EASTERN            | 163           | 85.07         | 1,594                         | 91,189           | 1,278         | 22            | 1.79          | 72            | 267                | 2             |
| 9222<br>9232 | EASTERN<br>CENTRAL | 67<br>94      | 23.13         | 900                           | 17,830           | 184           | 34            | 2.17          | 96            | 112                | 1             |
| 9232         | CENTRAL            | 94            | 23.40         | 1,620<br>715                  | 323,098          | 2,869<br>308  | 21            | 2.07          | 209           | 4,240              | 30            |
| 9242         | CENTRAL            | 86            | 18.84         |                               | 37,680<br>98,598 | 1,330         | 50            | 16.05         | 818           | 5,287              | 49            |
| 9292         | CENTRAL            | 44            | 11.95         | 1,316<br>1,480                | 35,920           | 483           | 7             | 0.96          | 908<br>80     | 57,439             | 628           |
| 9312         | CENTRAL            | 56            | 13.24         | 1,460                         | 80,291           | 805           | 19            | 1.02          | 260           | 10,033             | 42            |
| 9322         | CENTRAL            | 45            | 8.01          | 1,119                         | 56,060           | 511           | 32            | 2.88          | 930           | 21,168             | 170           |
| 9332         | CENTRAL            | 51            | 10.08         | 1,054                         | 74,286           | 673           | 28            | 4.20          | 395           | 6,688              | 112           |
| 9342         | CENTRAL            | 59            | 10.94         | 1.156                         | 29.633           | 314           | 18            | 4.20          | 183           | 2,284              | 10            |
| 9352         | CENTRAL            | 57            | 12.83         | 1,445                         | 122,460          | 972           | 20            | 2.92          | 419           | 4,345              | 68            |
| 9362         | CENTRAL            | 70            | 15.20         | 1,550                         | 65,533           | 700           | 23            | 0.73          | 154           | 1.124              | 3             |
| 9372         | CENTRAL            | 61            | 13.72         | 1,413                         | 92,577           | 1,097         | 8             | 0.19          | 8             | 711                | 3             |
| 9382         | CENTRAL            | 46            | 8.40          | 761                           | 32,085           | 605           | 15            | 0.91          | 371           | 37,403             | 194           |
| 9402         | CENTRAL            |               | 3.92          | 735                           | 60.144           | 487           | 38            | 1.65          | 1,865         | 23,401             | 98            |
| 9412         | CENTRAL            | 52            | 8.09          | 838                           | 43,315           | 1,283         | 30            | 1.85          | 1,268         |                    |               |
| 9422         | CENTRAL            | 38            | 4.51          | 571                           | 43,088           | 560           | 15            | 0.40          | 222           |                    | -             |
| 9462         | CENTRAL            | 94            | 21.99         | 1.846                         | 354.037          | 5.218         |               | 13.28         | 976           | 52,982             | 285           |
| 9472         | CENTRAL            | 57            | 14.58         | 1,022                         | 206,548          | 2,253         | 55            | 24.78         | 1,208         | 46,724             | 280           |
| 9492         | CENTRAL            | 47            | 6.66          | 546                           | 31,702           | 449           | 29            | 2.96          | 655           | 68                 | 1             |
| 9522         | EASTERN            | 281           | 140.58        | 1,547                         | 567,475          | 6,489         | 21            | 4.50          | 51            |                    |               |
| 9532         | CENTRAL            | 23            | 3.25          | 144                           | 5,240            | 77            | 37            | 11.69         | 2.328         | 11.602             | 67            |
| 9562         | CENTRAL            | 52            | 5.33          | 687                           | 36,243           | 459           | 32            | 3.08          | 688           | 21,178             | 118           |
| 9572         | CENTRAL            | 12            | 2.76          | 411                           | 308,088          | 2,914         | 67            | 8.14          | 2,485         | 70,674             | 286           |
| 9582         | CENTRAL            | 0             | 0.00          | -                             | -                | -             | 0             | 0.00          | -             | -                  |               |
| 9592         | EASTERN            | 116           | 113.43        | 742                           | 273,443          | 2,211         | 34            | 15.62         | 314           |                    | -             |

|                   |            | (m)<br>Number of<br>Automatic line | (n)<br>Number of<br>Automatic line | (o)<br>Whether the | (p)           | (q)<br>Length of | (u)<br>Length of<br>Overhead | (v)<br>Number of<br>Customers | (w)             | (x)          |          |               |
|-------------------|------------|------------------------------------|------------------------------------|--------------------|---------------|------------------|------------------------------|-------------------------------|-----------------|--------------|----------|---------------|
| (-)               |            | Sectionalizing                     | Sectionalizing                     | Feeder             | Total Length  | Underground      | portion of                   | served by                     | CMI for         | CI for       | (y)      |               |
| (a)               | (b)        | devices on the                     | devices on the                     | Circuit is         | of the Feeder | portion of the   | the Feeder                   | Overhead                      | Overhead        | Overhead     | Load     | (z) Peak Load |
| Feeder ID<br>8952 | Sub Region | Lateral Lines                      | Feeder                             | Loop               | Circuit       | Feeder Circuit   | Circuit                      | Feeders                       | Feeders         | Feeders      | Growth % | MVA           |
| 8952              | EASTERN    | 0                                  |                                    | No<br>No           | 11.65         | 0.28             | 11.37                        | 3                             | 162             | 3            | 0.1      | 0.35          |
| 8972              | EASTERN    |                                    |                                    | No                 | 29.41         | 13.25            | 16.16                        | 2,782                         | 654067          | 4969         | 0.5      | 10.83         |
| 8982              | CENTRAL    | 0                                  |                                    | Yes                | 47.96         | 14.50            | 33.46                        | -1                            | 269431          | 3557         | 1        | 11.58         |
| 8992              | CENTRAL    | 0                                  |                                    | No                 | 5.27<br>0.00  | 1.89             | 3.38                         | 554                           | 8065            | 44           | 2        | 14.88         |
| 9042              | CENTRAL    | 0                                  | -                                  | Yes                | 36.60         | 25.61            |                              |                               | -               | -            | 0        | 0.00          |
| 9052              | CENTRAL    | 0                                  |                                    | No                 | 19.67         | 4,79             | 10.99<br>14.88               | 2,661                         | 89154           | 864          | 1.5      | 13.72         |
| 9062              | CENTRAL    | 0                                  |                                    | No                 | 8.19          | 6.05             | 2.14                         | 1,864                         | 69522           | 542          | 0.2      | 9.79          |
| 9072              | CENTRAL    | 0                                  |                                    |                    | 0.00          | 0.05             |                              | 900                           | 414276          | 2019         | 2        | 5.97          |
| 9072              | CENTRAL    |                                    |                                    | No                 |               |                  | 0.00                         | -                             | -               |              | 0        | 0.00          |
| 9082              | EASTERN    | 0                                  |                                    | Yes<br>No          | 17.65<br>5.70 | 12.43            | <u>5.22</u><br>5.70          | 2,573<br>9                    | 179492<br>10316 | 942<br>36    | 1        | 12.84         |
| 9112              | EASTERN    | 4                                  | -                                  | No                 |               |                  |                              |                               |                 |              | 0.1      | 0.20          |
| 9112              | EASTERN    | 4<br>1                             | -                                  | No                 | 48.49<br>8.34 | 2.80             | 45.69                        |                               | 290375          | 2835         | 0.1      | 5.71          |
| 9132              | CENTRAL    |                                    |                                    | Yes                | 26.62         | 12.34            | 14.29                        | 234                           | 10242           | 123          | 0.5      | 6.95          |
| 9142              | CENTRAL    | 0                                  |                                    | Yes                | 27.51         | 4.87             | 22.64                        | 2,225<br>2.089                | 129894<br>71496 | 1172         | 0.5      | 10.41         |
| 9152              |            | 1                                  |                                    | No                 | 27.51         | 4.67             | 22.64                        | 2,089                         | 81715           | 2706<br>843  | 0.5      | 11.00         |
| 9162              | CENTRAL    |                                    |                                    | No                 | 17.96         | 2.46             | 17.56                        |                               | 33579           |              | 0.1      | 9.26          |
| 9172              | CENTRAL    | 0                                  |                                    | No                 | 26.66         | 9.94             | 16.72                        | 1,121 2,148                   | 280472          | 540<br>5050  | 0.1      | 5.58          |
| 9182              | CENTRAL    | 0                                  |                                    | No                 | 74.71         | 1.02             | 73.69                        | ∠,146<br>793                  | 87780           |              | 0.1      | 9.74          |
| 9192              | CENTRAL    | 0                                  | -                                  | Yes                | 44.92         | 3.17             | 41.74                        | 2,327                         | 147414          | 1329<br>1742 | 1        | 5.99          |
| 9202              | EASTERN    | 4                                  |                                    | Yes                | 38,41         | 0.83             | 37.57                        | 696                           | 103965          | 989          | 0.5      | 10.32         |
| 9212              | EASTERN    |                                    |                                    | No                 | 88.41         | 1.79             | 86.62                        | 1,666                         | 205063          | 989<br>2961  | 0.1      | 5.74          |
| 9222              | EASTERN    | 3                                  |                                    | Yes                | 29.52         | 2.17             | 27.35                        | 996                           | 17942           | 185          | 0.5      | 7.33          |
| 9232              | CENTRAL    |                                    |                                    | No                 | 27.19         | 2.07             | 25.12                        | 1,829                         | 385640          | 5862         | 0.3      | 7.69          |
| 9242              | CENTRAL    | 2                                  |                                    | Yes                | 27.23         | 8.49             | 18.73                        | 1,533                         | 42967           | 357          | 0.2      | 11.32         |
| 9252              | CENTRAL    | 1                                  |                                    | Yes                | 38.31         | 16.05            | 22.26                        | 2,224                         | 156037          | 1958         | 0.5      | 11.52         |
| 9292              | CENTRAL    | 0                                  |                                    | No                 | 14.17         | 1.06             | 13.12                        | 1,560                         | 35920           | 483          | 0.3      | 6.41          |
| 9312              | CENTRAL    | 0                                  | -                                  | Yes                | 16.46         | 1.08             | 15.39                        | 2,037                         | 90324           | 847          | 0.1      | 8.17          |
| 9322              | CENTRAL    |                                    |                                    | Yes                | 13.29         | 2.91             | 10.38                        | 2,037                         | 77228           | 681          | 0.1      | 8.72          |
| 9332              | CENTRAL    | <u></u> 1                          |                                    | Yes                | 16.53         | 4.23             | 12.30                        | 1,449                         | 80974           | 785          | 0.1      | 7.73          |
| 9342              | CENTRAL    | 0                                  |                                    | No                 | 14.45         | 1.20             | 13.25                        | 1,339                         | 31917           | 324          | 0.1      | 7.22          |
| 9352              | CENTRAL    | 0                                  | -                                  | Yes                | 18.82         | 2.92             | 15.90                        | 1,864                         | 126805          | 1040         | 0.1      | 8.06          |
| 9362              | CENTRAL    | 0                                  |                                    | Yes                | 17.97         | 0.73             | 17.23                        | 1,704                         | 66657           | 703          | 0.1      | 9.90          |
| 9372              | CENTRAL    |                                    | · · ·                              | Yes                | 15.69         | 0.19             | 15.50                        | 1,421                         | 93288           | 1100         | 0.1      | 7,15          |
| 9382              | CENTRAL    | 0                                  |                                    | Yes                | 10.84         | 0.91             | 9.93                         | 1,132                         | 73503           | 1930         | 0.1      | 6.97          |
| 9402              | CENTRAL    |                                    | -                                  | Yes                | 9,41          | 2.00             | 7.41                         | 2,600                         | 83544           | 585          | 0.1      | 8.96          |
| 9412              | CENTRAL    | - 0                                | -                                  | Yes                | 12.59         | 2.12             | 10.47                        | 2,106                         | 43315           | 1283         | 0.5      | 8.86          |
| 9422              | CENTRAL    | 0                                  |                                    | Yes                | 7.04          | 0.40             | 6.64                         | 793                           | 43088           | 560          | 0.1      | 4.52          |
| 9462              | CENTRAL    |                                    |                                    | No                 | 36.73         | 13.28            | 23.45                        | 2,822                         | 407019          | 5503         | 0.5      | 13.46         |
| 9472              | CENTRAL    | <u> </u>                           |                                    | No                 | 42.32         | 24.78            | 17.53                        | 2,230                         | 253272          | 2533         | 1        | 12.38         |
| 9492              | CENTRAL    | 0                                  |                                    | Yes                | 12.24         | 3.12             | 9.11                         | 1,201                         | 33992           | 1561         | 0.5      | 10.30         |
| 9522              | EASTERN    | 13                                 |                                    | No                 | 154.68        | 4.50             | 150.18                       | 1.598                         | 569525          | 7514         | 0.1      | 0.96          |
| 9532              | CENTRAL    |                                    |                                    | Yes                | 17.15         | 11.69            | 5.46                         | 2,472                         | 16842           | 144          | 0.1      | 15.71         |
| 9562              | CENTRAL    | ······                             | _                                  | Yes                | 10.64         | 3.46             | 7.19                         | 1,375                         | 57420           | 577          | 1.5      | 10.58         |
| 9572              | CENTRAL    |                                    |                                    | Yes                | 13.59         | 8.56             | 5.03                         | 2,896                         | 378762          | 3200         | 0.5      | 10.58         |
| 9582              | CENTRAL    | 0                                  |                                    | No                 | 0.02          | 0.00             | 0.02                         | - 2,030                       |                 |              | 0.0      | 0.00          |
| 9592              | EASTERN    |                                    |                                    | No                 | 136.87        | 15.62            | 121.24                       | 1.056                         | 334855          | 4771         | 0.5      | 4.09          |

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| (a)<br>Feeder ID | (b)<br>Sub Region | (c)<br>Number of<br>Overhead<br>Lateral Lines | (d)<br>Number of<br>Overhead<br>Lateral Miles | (e)<br>Number of<br>Customers<br>served on<br>Overhead<br>Lateral Lines | (f)<br>CMI for<br>Overhead<br>Lateral Lines | (g)<br>Cl for<br>Overhead<br>Lateral Lines | (h)<br>Number of<br>Underground<br>Lateral Lines | (i)<br>Number of<br>Underground<br>Lateral Miles | (j)<br>Number of<br>Customers<br>served on<br>Underground<br>Lateral Lines | (k)<br>CMI for<br>Underground<br>Lateral Lines | (I)<br>Cl for<br>Underground<br>Lateral Lines |
|------------------|-------------------|-----------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------|--------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------|
| 9602             | CENTRAL           | 53                                            | 9.19                                          | 595                                                                     | 245,964                                     | 1.847                                      | 26                                               |                                                  | 946                                                                        | 4,372                                          | 38                                            |
| 9612             | CENTRAL           | 82                                            | 17.39                                         | 1,561                                                                   | 64,321                                      | 809                                        | 35                                               |                                                  | 683                                                                        | 15,164                                         | 92                                            |
| 9622             | CENTRAL           | 88                                            | 10.58                                         | 916                                                                     | 58,640                                      | 616                                        | 28                                               | 2.05                                             | 426                                                                        | 10,104                                         | 92                                            |
| 9632             | CENTRAL           | 38                                            | 4.34                                          | 227                                                                     | 4.062                                       | 28                                         | 15                                               |                                                  | 25                                                                         | 59                                             | 1                                             |
| 9662             | CENTRAL           | 35                                            | 10.24                                         | 245                                                                     | 9,698                                       | 136                                        | 4                                                | 1.26                                             | 32                                                                         | 786                                            | 15                                            |
| 9672             | CENTRAL           | 218                                           | 57.93                                         | 2,470                                                                   | 207,693                                     | 3,235                                      | 32                                               |                                                  | 774                                                                        | 1,350                                          | 8                                             |
| 9682             | CENTRAL           | 48                                            | 10.02                                         | 393                                                                     | 128,727                                     | 1.596                                      | 36                                               | 12.74                                            | 913                                                                        | 335                                            | 7                                             |
| 9692             | CENTRAL           | 108                                           | 32.01                                         | 1,760                                                                   | 184,132                                     | 3,202                                      | 21                                               | 2.65                                             | 511                                                                        |                                                |                                               |
| 9702             | EASTERN           | 1                                             | 0.35                                          | 1                                                                       | 207                                         | 1                                          | 0                                                |                                                  | •                                                                          | -                                              |                                               |
| 9792             | CENTRAL           | 117                                           | 35.08                                         | 2,456                                                                   | 456,759                                     | 5,357                                      | 24                                               |                                                  | 785                                                                        | 454                                            | 4                                             |
| 9802             | EASTERN           | 22                                            | 11.83                                         | 187                                                                     | 10,974                                      | 113                                        | 1                                                | 0.02                                             |                                                                            |                                                |                                               |
| 9812             | CENTRAL           | 80                                            | 36.22                                         | 959                                                                     | 64,647                                      | 715                                        | 51                                               | 18.18                                            | 1,591                                                                      | 17,770                                         | 76                                            |
| 9828             | CENTRAL           | 24                                            | 9.10                                          | 198                                                                     | 36,115                                      | 350                                        | 4                                                | 0.22                                             | 7                                                                          |                                                | -                                             |
| 9832             | EASTERN           | 249                                           | 119.47                                        | 2,275                                                                   | 560,128                                     | 4,400                                      | 29                                               | 1.44                                             | 92                                                                         | 212                                            | 1                                             |
| 9854             | EASTERN           | 0                                             | 0.00                                          | 1                                                                       | -                                           | -                                          | 0                                                | 0.00                                             | -                                                                          |                                                | _                                             |
| 9912             | EASTERN           | 0                                             | 1.49                                          | 5                                                                       | •                                           | -                                          | 2                                                | 0.08                                             | 6                                                                          |                                                |                                               |
| 15002            | CENTRAL           | 0                                             | 0.00                                          | 2                                                                       | -                                           | -                                          | 0                                                | 0.00                                             | -                                                                          | ÷                                              | -                                             |
| 15034            | WESTERN           | 0                                             | 0.00                                          | -                                                                       | •                                           | -                                          | 0                                                | 0.00                                             | •                                                                          | -                                              |                                               |
| 15044            | WESTERN           | 0                                             | 0.00                                          | -                                                                       | -                                           | -                                          | 0                                                | 0.00                                             | -                                                                          | -                                              | -                                             |
| 15062            | EASTERN           | 8                                             | 2.38                                          | 112                                                                     | 987                                         | 10                                         | 3                                                | 10.61                                            | 65                                                                         | -                                              |                                               |
| 15242            | CENTRAL           | 2                                             | 0.17                                          | 7                                                                       | 5,365                                       | 44                                         | 15                                               | 5.52                                             | 371                                                                        | -                                              | -                                             |
| 15252            | CENTRAL           | 3                                             | 0.63                                          | 11                                                                      | -                                           | -                                          | 20                                               | 14.58                                            | 882                                                                        | 46,025                                         | 121                                           |
| 15262            | CENTRAL           | 10                                            | 1.56                                          | 83                                                                      | 143                                         | 1                                          | 15                                               | 3.97                                             | 868                                                                        | 13,377                                         | 32                                            |

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| (a)<br>Feeder ID | (b)<br>Sub Region | (m)<br>Number of<br>Automatic line<br>Sectionalizing<br>devices on the<br>Lateral Lines | (n)<br>Number of<br>Automatic line<br>Sectionalizing<br>devices on the<br>Feeder | (o)<br>Whether the<br>Feeder<br>Circuit is<br>Loop | (p)<br>Total Length<br>of the Feeder<br>Circuit | (q)<br>Length of<br>Underground<br>portion of the<br>Feeder Circuit | (u)<br>Length of<br>Overhead<br>portion of<br>the Feeder<br>Circuit | (v)<br>Number of<br>Customers<br>served by<br>Overhead<br>Feeders | (w)<br>CMI for<br>Overhead<br>Feeders | (X)<br>Cl for<br>Overhead<br>Feeders | (y)<br>Load<br>Growth % | (z) Peak Load<br>MVA |
|------------------|-------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------|--------------------------------------|-------------------------|----------------------|
| 9602             | CENTRAL           | 1                                                                                       | 0                                                                                | Yes                                                | 19.94                                           | 8.57                                                                | 11.37                                                               | 1,541                                                             | 250336                                | 1885                                 | 0.1                     | 8.97                 |
| 9612             | CENTRAL           | 0                                                                                       | 0                                                                                | Yes                                                | 23.40                                           | 3.53                                                                | 19.86                                                               | 2,244                                                             | 79484                                 | 901                                  | 0.1                     | 10.70                |
| 9622             | CENTRAL           | 0                                                                                       | 0                                                                                | Yes                                                | 15.92                                           | 2.05                                                                | 13.87                                                               | 1,342                                                             | 58640                                 | 616                                  | 0.1                     | 10.28                |
| 9632             | CENTRAL           | 0                                                                                       | 0                                                                                | Yes                                                | 6.17                                            | 0.50                                                                | 5.67                                                                | 252                                                               | 4120                                  | 29                                   | 0.1                     | 7.39                 |
| 9662             | CENTRAL           | 0                                                                                       | 1                                                                                | No                                                 | 13.66                                           | 1.26                                                                | 12.40                                                               | 277                                                               | 10483                                 | 151                                  | 0.5                     | 1.96                 |
| 9672             | CENTRAL           | 1                                                                                       | 0                                                                                | No                                                 | 71.52                                           | 10.27                                                               | 61.25                                                               | 3,244                                                             | 209044                                | 3243                                 | 2                       | 15.74                |
| 9682             | CENTRAL           | 0                                                                                       | 0                                                                                | Yes                                                | 26.11                                           | 12.74                                                               | 13.37                                                               | 1,306                                                             | 129062                                | 1603                                 | 1                       | 11.68                |
| 9692             | CENTRAL           | 3                                                                                       | 0                                                                                | Yes                                                | 35.62                                           | 2.65                                                                | 32.97                                                               | 2,271                                                             | 393690                                | 6629                                 | 0.5                     | 9.26                 |
| 9702             | EASTERN           | 0                                                                                       | 0                                                                                | No                                                 | 3.43                                            | 0.00                                                                | 3.43                                                                | 1                                                                 | 207                                   | 1                                    | 0.1                     | 3.10                 |
| 9792             | CENTRAL           | 1                                                                                       | 0                                                                                | Yes                                                | 46.75                                           | 7.27                                                                | 39.49                                                               | 3,241                                                             | 516895                                | 6782                                 | 3.5                     | 15.01                |
| 9802             | EASTERN           | 0                                                                                       | ſ                                                                                | No                                                 | 15.69                                           | 0.02                                                                | 15.67                                                               | 187                                                               | 19629                                 | 276                                  | 0.1                     | 0.89                 |
| 9812             | CENTRAL           | 2                                                                                       | 0                                                                                | No                                                 | 61.23                                           | 18.18                                                               | 43.05                                                               | 2,550                                                             | 87258                                 | 3212                                 | 2                       | 12.23                |
| 9828             | CENTRAL           | 0                                                                                       | 0                                                                                | No                                                 | 11.35                                           | 0.22                                                                | 11.13                                                               | 205                                                               | 51906                                 | 637                                  | 0.5                     | 1.15                 |
| 9832             | EASTERN           | 12                                                                                      |                                                                                  | No                                                 | 123.12                                          | 1.44                                                                | 121.68                                                              | 2,367                                                             | 631617                                | 5434                                 | 0.1                     | 13.04                |
| 9854             | EASTERN           | 0                                                                                       |                                                                                  | No                                                 | 0.05                                            | 0.00                                                                | 0.05                                                                | 1                                                                 | -                                     | -                                    |                         |                      |
| 9912             | EASTERN           | 0                                                                                       |                                                                                  | No                                                 | 1.57                                            | 0.08                                                                | 1.49                                                                | 11                                                                | -                                     | -                                    | 0.1                     | 3.00                 |
| 15002            | CENTRAL           | 0                                                                                       |                                                                                  | No                                                 | 0.02                                            | 0.00                                                                | 0.02                                                                | 2                                                                 |                                       | -                                    | 0.1                     | 3.95                 |
| 15034            | WESTERN           | 0                                                                                       | -                                                                                | No                                                 | 0.28                                            | 0.28                                                                | 0.01                                                                | -                                                                 | -                                     | -                                    | 0.1                     | 1.29                 |
| 15044            | WESTERN           | 0                                                                                       | -                                                                                | No                                                 | 0.28                                            | 0.27                                                                | 0.00                                                                | -                                                                 | -                                     | -                                    | 0.1                     | 1.58                 |
| 15062            | EASTERN           | 0                                                                                       |                                                                                  | No                                                 | 19.08                                           | 10.67                                                               | 8.40                                                                | 177                                                               | 987                                   | 10                                   | 0.1                     | 1.52                 |
| 15242            | CENTRAL           | 0                                                                                       |                                                                                  | Yes                                                | 7.25                                            | 5.52                                                                | 1.73                                                                | 378                                                               | 5365                                  | 44                                   | 0.5                     | 7.25                 |
| 15252            | CENTRAL           | 0                                                                                       |                                                                                  | Yes                                                | 16.66                                           |                                                                     | 2.09                                                                | 893                                                               | 46025                                 | 121                                  | 1.5                     | 5.52                 |
| 15262            | CENTRAL           | 0                                                                                       | 0                                                                                | Yes                                                | 7.04                                            | 3.97                                                                | 3.07                                                                | 951                                                               | 13520                                 | 33                                   | 1                       | 5.70                 |

## **Report on Collaborative Research for Hurricane Hardening**

Provided by

The Public Utility Research Center University of Florida

To the

#### Utility Sponsor Steering Committee

February 2012

#### I. Introduction

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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).

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 2011.

#### **II.** Undergrounding

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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

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#### **APPENDIX 4**

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 a doctoral candidate in the University of Florida Department of Civil and Coastal Engineering to assess some of the inter-relationships between wind speed and rainfall on utility equipment damage. The research is currently under review by the engineering press, but it is believed that the results of this research can be used to further refine the model.

#### **III. Wind Data Collection**

The Project Sponsors entered into a wind monitoring agreement with WeatherFlow, Inc. Currently, WeatherFlow's Florida wind monitoring network includes 50 permanent wind monitoring stations around the coast of Florida. The wind, temperature, and barometric pressure data being collected at these stations has been made available to the Project Sponsors.

There have been no significant impacts from hurricanes to the state since the wind monitoring network was established. Once a hurricane occurs and wind data is captured, it is expected that forensic investigations of utilities' infrastructure failure will be conducted and overlaid with wind observations to correlate failure modes to wind speed and turbulence characteristics. Project Sponsors and PURC will analyze such data at that time.

As of the date of this report, WeatherFlow has informed the Project Sponsors that its major source of funding for the wind monitoring network is expected to be ending in May 2012. As a result, the project sponsors are uncertain as to the future viability of the wind monitoring network and the wind monitoring agreement, which is scheduled to expire on March 1, 2012. The project sponsors will be working with WeatherFlow to ascertain whether the wind monitoring agreement can be continued.

#### **IV. Public Outreach**

The impact of Hurricane Irene on the northeastern United States in 2011 led to greater interest in storm preparedness. PURC researchers discussed the collaborative effort in Florida with the engineering departments of the state regulators in Pennsylvania and Maryland. In addition, PURC researchers testified on the collaborative effort in a special session before the office of the Governor of Connecticut. The regulators and policymakers showed great interest in the genesis of the collaborative effort, and the results of that effort to date. They also expressed their admiration for the initiative and cooperation among all of the parties in the state of Florida, for

addressing the problem of storm preparedness in this manner.

#### V. 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.



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