

Operations Report

Operational Summary Report

Jul-16

Safety

	Current Month		Year to Date	
	Recordable	Lost Time	Recordable	Lost Time
Energy Supply				
Energy Delivery	2	2	22	3
Water				
Water Reclamation				
Gas Distribution	0	0	1	1

Environmental

	Current Month		Year to Date	
Notice of Violations				
Emissions - Tons				
CO2				
Nox				
Sox				
PM10				
Hg				

Regulatory

	Current Month		Year to Date	
NERC				
Notice of Violations	0		0	
Self Reports	1 (LEMS Logging Issue)		1	

Customers

		Month	Delta YTD
Electric	Residential	71707	1566
	Commercial	4820	57
Gas	Residential	32339	827
	Commercial	1007	15
Water	Residential	57541	1628
	Commercial	3307	35
Sewer	Residential	53894	1636
	Commercial	2876	58
	Total	227491	5822

Jul-16

Personnel

	FTE	Open Positions
Energy Supply	MAPS	
	CWA	
Energy Delivery	MAPS	39 10
	CWA	162 13
Water	MAPS	
	CWA	
Water Reclamation	MAPS	
	CWA	
Gas Distribution	MAPS	4 0
	CWA	36 3

Total

GRU Distribution Reliability Report

Today's Date: 08/09/2016

Report Date Range: from 10/01/2015 to 08/09/2016

Excludes Extreme Weather and Generation/Transmission Disturbances

CUSTOMER DATA

RELIABILITY INDICIES

Monthly Average Customers Served(C)	89055	Average Service Availability Index (ASAI)	99.9861%
Total Hours of Customer Demand	671,118,480	System Average Interruption Duration Index (SAIDI)	63.02 Mins
Total Number of Outages	676	Customer Average Interruption Duration Index (CAIDI)	84.25 Mins
Total Number of Customers Affected (CI)	66,611	System average Interruption Frequency Index (SAIFI)	0.75
Total Customer Minutes Interrupted (CMI)	5,611,868	Momentary average Interruption Event (MAIFIE)	1.30
Total Customer "Out Minutes"	102,134	Average Length of a Service Interruption (L-Bar)	151 Mins
Tot Cust Momentary Interruption Events (CME)	115,587		

Guide for Power Distribution Reliability Indices

Outage Duration Times

Average Hours	2.5
Maximum Hours	26.9
Minimum Hours	0.1

Circuit Breaker Operations

RCL Sequences	82
Trips	126
Lockouts	29

Recloser Operations

RCL Sequences	64
Trips	83
Lockouts	13

Cause of Outages				
Cause	Overhead	Underground	Undetermined	Total
1. Weather	60	9	5	74
2. Vegetation	211	15	13	239
3. Animals	64	7	1	72
4. Foreign Interference	0	1	0	1
5. Human Cause	30	11	3	44
6. Undetermined	51	9	1	61
7. Equipment Failure	44	123	18	185
8. All Remaining Outages	0	0	0	0
Total	460	175	41	676

Total	T&D	ED	TA	W&S
9. Planned Outage	83	113	2	198
10. Partial Outage	NA	NA	NA	NA

Engineering:

East ED-Electric:

- > Sixteen (16) projects are in T&D's queue for construction (452 estimated hrs total).
- > Currently working on eleven (11) electrical preliminary designs.
- > Thirty seven (37) projects of different complexities. Nine (9) projects are in plan review.
- > Five (5) New Revenue projects in construction (916 hours remaining).

West ED-Electric:

- > Three (3) projects in T&D's queue for construction (130 estimated hrs total).
- > New Project Meetings: Terrace Health Rehab. Expansion, N. Fl. Women's Center.
- > Bass Pro Boat Storage Project – Released demo of old OH primary line to T&D.
- > Eight (8) New Revenue projects in construction (1,735 hours remaining).

Gas Distribution System Statistics

Energy Delivery – Natural Gas System

Service Area	115 sq. miles
Distribution Mains	780.3 miles
Delivery Points	5
NG - Bare Steel	4.15
NG - Cast Iron	0
NG - Coated Steel	186.73
NG - Polyethylene	576.9
NG - Black Plastic	2.3
NG - Steel Tubing	2.99
Total Distribution Main	778.09

Note: Gas Distribution Main Length in Miles

	Month	YTD	Budget
Gas Delivered - MCF	1,361,084 therms	16,481,788 therms	21,450,766 therms
Propane Delivered - Gals	2,200 gallons	33,808 gallons	52,000 gallons projected

Service calls

What Type?

Capital/Maintenance Project Status:

- Ø Installing gas main in Mill Hammock Subdivision, NW 60th PL.
- Ø Provided gas section input for plan reviews of the following projects: Resource Recovery Park, Crofton S/D, Inception at Innovation Square, SIMED Parking, Town of Tioga Ph 18, and The Standard revised final.
- Ø Main ext on SW 62nd. Ave. - System support project and new customer work, waiting on County as they are changing the alignment of a curve in the road.
- Ø Leak survey, Corrosion readings for CP levels reviews. Ongoing inactive Service Retirements.
- Ø Lugano Subdivision Phase 1 Main installation. 4500' gas main extension, currently under construction.