

# ATTACHMENT B

## STATE OF THE UTILITY

### Energy Delivery

### Operations Metrics & Projects

# Energy Delivery Ops Report

## December 2016

Item #160666  
1/18/17

### Durations Reliability Report Between 12/01/2016 and 12/31/2016

Excludes Extreme Weather and Generation/Transmission Disturbances

**MONTHLY  
AVG  
GOAL**

CUSTOMER DATA		RELIABILITY INDICIES		
Monthly Average Customers Served(C)	91816	Average Service Availability Index (ASAI)	99.9969 %	
Total Hours of Customer Demand	66,107,520	System Average Interruption Duration Index (SAIDI)	1.34 Mins	4.5 Mins
Total Number of Outages	46	Customer Average Interruption Duration Index (CAIDI)	27.55 Mins	55 Mins
Total Number of Customers Affected (CI)	4458	System average Interruption Frequency Index (SAIFI)	0.05	.08
Total Customer Minutes Interrupted (CMI)	122818			
Total Customer "Out Minutes"	4894	Average Length of a Service Interruption (L-Bar)	106.39 Mins	
Tot Cust Momentary Interruption Events (CME)	11,194			

#### Outage Duration Times

Average Hours 1  
Maximum Hours 7  
Minimum Hours 0

#### Cause of Outages

Cause	Overhead	Underground	Undetermined	Total
1. Weather	1	1	0	2
1. Vegetation	3	2	0	5
1. Animals	6	5	0	11
1. Foreign Interference	0	0	0	0
1. Human Cause	1	4	0	5
1. Undetermined	2	3	0	5
1. Equipment Failure	4	10	4	18
1. All Remaining Outages	0	0	0	0
Total	17	25	4	46

## **Energy Delivery - Major Design Projects - Electric**

### Major Electric Design Projects underway:

Hotel Indigo & Info Tech in Celebration Pointe (Comm. Development)  
Butler Plaza Town Center

### Major Electric Design Projects expected to start within 30 days:

Innovation Square Storm Water Upgrade  
SW 4th Ave OH to UG Conversion  
CRA - NW 1st Ave (OH to UG conversion)  
One College Park (apartments)  
The Craftsman (apartments)  
Fairfield Inn & Suites 3700 SSW 37th Blvd.  
Drury Inn & Suites – 4000 SW 40 Blvd (Hotel)  
Blues Creek Unit 5 PH 2&3 (Residential S/D, 50 lots)  
Westchester PH 4B – 77 Single Family Lots

## Energy Delivery - Major Construction Projects - Gas

### Major Gas Design Projects:

- \*Design for replacement of 3215 feet of bare steel gas main at 400-800 blocks SW 10th St
- \*Extension of 4" gas main on SW 8th Avenue from 137th St to SW 143rd St, about 3,300 feet
  
- \*Prepare construction plans for Windsor S/D, Aloft Hotel, Staybridge Hotel and Fairfield Inn near Archer Road and Gloria's Way S/D.

### Gas Main Installed in December 2016

1. Installing main to feed the new "Standard" project University Ave. We had to build a temp by-pass to allow drainage facilities to be installed. Permanent facilities being installed now.
2. NW 3<sup>rd</sup> St. Project. A rebuild of black plastic and bare steel. Replacing approximately 1.5 miles of main and associated services. This is a Distribution Integrity Management project. They complete approximately 1500 feet per week due to it being in an urban area with a good deal of utilities in the ROW. This project is nearing completion and will help improve pressures in the entire 24# system. Over numerous years we created a loop of larger mains around the down town area.
3. Grand Preserve Substation and Apts. – ongoing project at 7700 SW Archer Rd. main being installed as necessary. In total we will install 7800' of main.
4. Finley Woods Main Ext. – 10320' – 4" main installed to support new subdivision. This has been installed except for one section where the county is redesigning a corner.

Minor Projects – Please see "Gas Projects List"

Number of new Services installed in December: 39

Maintenance Activities – Two man crew –Leak survey complete: now working on leak survey of the "Business District" and "Building of Public Occupancy." They will then go to Cathodic Protection and Emergency Valve surveys.

Note 1: We received the results of the Annual PSC Inspection (typically in Nov. for a week), and we were found to be in compliance (no deficiencies found).

Note 2: Our 'Public Awareness Program' has driven damages by third parties from 71 in 2006 to 37 in 2015 and damages by homeowners from 33 to 11 over the same period.

## Electric System Consumption

<b>ELECTRIC SYSTEM</b>	<b>CONSUMPTION</b>	<b>CUSTOMERS</b>
Feed-In-Tariff	2,173 KWH	263
Electric - GS - Demand - Regular	42,296,552 KWH	1,168
Electric - General Service Demand PV	603,450 KWH	14
GREC Startup Supplemental and Standby	616,600 KWH	1
Electric - GS - Kanapaha w Curtail Cr	945,600 KWH	1
Electric - GS - Demand - Large Power	5,906,120 KWH	8
Electric - GS - Murphree Curtail Credit	1,543,200 KWH	1
Electric - GS Large Demand PV	3,600,000 KWH	2
Electric - GS - Non Demand	11,772,610 KWH	9,215
Electric - General Service PV	58,491 KWH	45
Electric - Lighting - Rental	989,011 KWH	4,194 <i>n</i>
Electric - Lighting - Street - City	783,697 KWH	13 <i>n</i>

## Gas System Consumption

### GAS SYSTEM

Gas - GS - Regular Service (Firm)	677,707 THM	1,295
Gas - GS - Regular Service (Small)	11,957 THM	169
Gas - GS - Interruptible - Regular Serv	35,928 THM	1
Gas - GS - Interruptible - Large Volume	290,032 THM	5
Gas - Residential - Regular Service	690,018 THM	32,666
Total Retail Gas	1,705,642 THM	34,136
Gas - GS - UF Cogeneration Plant	3,176,732 THM	1
Gas - Residential - LP - Basic Rate	4,840 GAL	198
GREC Gas (PGA Only)	23,830 THM	1