

STATE OF THE UTILITY

Item # 170652

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OPERATIONS SUMMARY

CORPORATE SAFETY

ENVIRONMENTAL

REGULATORY

PERSONNEL

November 2017

Safety

Employees

	Current Month			Year to Date		
	First Aid	Recordable	DART	First Aid	Recordable	DART
Administration	0	0	0	0	0	0
W/WW Systems	0	1	0	0	0	0
Energy Supply	0	1	0	0	1	0
Energy Delivery - Electric/Gas	0	0	0	2	1	0
GRUCom	0	0	0	0	0	0
Totals		2			2	

Vehicles

	Current Month			Year to Date		
	Miles Driven	Recordable	Preventable	Miles Driven	Recordable	Preventable
Administration		0	0	15,563	0	0
W/WW Systems		1	1	87,784	2	2
Energy Supply		0	0	5,332	1	1
Energy Delivery - Electric/Gas		0	0	129,218	2	1
GRUCom		0	0	11,144	0	0
Totals		1		249,041	5	

Environmental

	Current Month	Calendar Year to Date
Notices of Violation	0	0
Emissions		
DH1, DH2, DHCT3, JRKCC1		
CO ₂ (tons)	77,867	951,958
NO _x (tons)	116	1,136
SO ₂ (tons)	38.6	344.6
DH Unit 2 (only)		
PM _{FILT} (tons)	N/A	25 (PM monit.OOS start 10/17/17)
Hg (lbs)	0.46	2.04

Personnel			
	Sum of AUTHORIZED_FTE	Sum of FILLED_FTE	Sum of VACANCY
GRU-Administration/ Community Relations	4.00	4.00	0.00
GRU-Administration/ COO	2.00	2.00	0.00
GRU-Administration/ Elect Reliability Compliance	2.00	2.00	0.00
GRU-Administration/ General Manager	5.00	5.00	0.00
GRU-Administration/ Legal Services	1.00	1.00	0.00
GRU-Administration/ Safety	5.00	2.00	3.00
GRU-Administration/ Training	6.00	6.00	0.00
GRU-Customer Support Services	125.25	112.25	13.00
GRU-Business Services	6.00	4.00	2.00
GRU-Communications	6.00	5.00	1.00
GRU-Energy Delivery	263.00	234.00	29.00
GRU-Energy Supply	146.00	134.00	12.00
GRU-Energy Supply/ District Energy	10.00	10.00	0.00
GRU-Electric Environmental Permitting Compliance	4.00	4.00	0.00
GRU-Finance	32.00	28.00	4.00
GRU-GRUCom	38.00	29.00	9.00
GRU-Information Technology	63.00	53.00	10.00
GRU-Water/ Wastewater	168.00	153.00	15.00
Grand Total	886.25	788.25	98.00

Utility Advisory Board Monthly Report – FY 2018 Safety Data Summary

Employee Injuries (DART – days away, restricted duty, temporary transfer)

10/09/2017	Puncture to chest when knife slipped from conductor.
10/20/2017	While trying to open a valve using both his hands gripped together, the employee strained his left middle finger
11/04/2017	Employee lacerated his right hand and index finger on a sharp metal edge when a junction box cover came loose unexpectedly.
11/21/2017	While cleaning the lime machine, employee had an unknown substance splash in his eye causing irritation

Vehicle Collisions (P) indicates preventable by our employee

10/09/2017	Employee pulled off with bin door down and damaged another vehicle when bin door struck it. (P)
10/18/2017	Deer ran out in front of vehicle causing damage to the front of vehicle.
10/21/2017	Employee pulled truck forward and collided with a valve indicator post, scraping the passenger side of the truck. (P)
10/31/2017	Employee collided with the rear of a car traveling north on Tower Road when the car stopped abruptly for a stopped car in front of him. (P)
11/30/2017	Employee was making a left turn into a shopping center for a service call. A motorcycle heading the other direction collided with the back corner of the service truck. (P)

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CUSTOMER SUPPORT SERVICES

Customer Operations

New Services

Revenue Assurance

Customer Operations Metrics Summary November 2017

Active Accounts	Nov-17	YTD Gain/Loss	FY17
<i>Residential Contract Accounts</i>			
Total	90,141	39	90,102
Electric	83,711	17	83,694
Gas	33,209	86	33,123
Water	62,705	13	62,692
Wastewater	58,671	11	58,660
Telecomm	131	(6)	137

Active Accounts	Nov-17	YTD Gain/Loss	FY17
<i>Nonresidential Contract Accounts</i>			
Total	13,479	2	13,477
Electric	10,923	6	10,917
Gas	1,610	(3)	1,613
Water	5,887	(5)	5,892
Wastewater	4,657	6	4,651
Telecomm	355	2	353

New Installations	Nov-17	FY18 To Date	FY17
Electric	65	218	1545
Gas	26	82	432
Water	24	85	525
Wastewater	25	83	530
Telecomm	5	20	223

Residential Disconnects	Nov-17	FY18 To Date	FY17
Volume	1,580	3,563	14,335
Average Balance	\$263.58	\$391.57	\$245.50

Call Center Volume	Nov-17	FY18 To Date	FY17
Average Speed of Answer	0:10:05	0:10:30	0:04:30
CSR Calls	9,139	19,212	138,716
CSR Callbacks	2,325	5,589	19,673
IVR Self Service	23,824	50,641	283,147
Total	32,963	69,853	421,863
IVR/Total	72%	72%	67%

Revenue Assurance	Nov-17	FY18 To Date	FY17
Referred to Collections	\$157,521.64	\$359,935.33	\$2,214,584.97
Recovered	\$53,079.69	\$128,562.94	\$664,519.40

Bills Generated	Nov-17	FY18 To Date	FY17
Paper Bills	103,799	213,276	1,245,142
eBills	15,953	32,567	191,498
Total	119,752	245,843	1,436,640
eBill/Total	13%	13%	13%

Service Orders	Nov-17	FY18 To Date	FY17
Move Ins	6,350	13,179	117,647
Move Outs	6,256	13,594	117,865

Payment Arrangements	Nov-17	FY18 To Date	FY17
Total	8,070	21,497	95,142

Average Res Bill Amounts	Nov-17	FY18 To Date	FY17
Electric (kWh)	689	782	804
Electric (\$)	\$104.45	\$117.30	\$117.98
Gas (Therms)	14	12	16
Gas (\$)	\$26.42	\$24.00	\$28.81
Water (kGals)	5	5	5
Water (\$)	\$31.54	\$30.85	\$31.74
Wastewater (kGals)	5	5	5
Wastewater(\$)	\$36.94	\$36.25	\$38.08

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ENERGY DELIVERY

ELECTRIC T&D

SYSTEM RELIABILITY

GAS

ENERGY DELIVERY - UAB REPORT - NOVEMBER 2017

Durations Reliability Report Between 11/01/2017 and 11/30/2017

Excludes Extreme Weather and Generation/Transmission Disturbances

CUSTOMER DATA	RELIABILITY INDICIES	MONTHLY AVG GOAL
Monthly Average Customers Served(C)	96,359 Average Service Availability Index (ASAI)	99.9981%
Total Hours of Customer Demand	67,065,864 System Average Interruption Duration Index (SAIDI)	.081 Mins. 4.5 Mins
Total Number of Outages	31 Customer Average Interruption Duration Index (CAIDI)	27.58 Mins 55 Mins
Total Number of Customers Affected (CI)	2,818 System average Interruption Frequency Index (SAIFI)	0.03 0.08
Total Customer Minutes Interrupted (CMI)	77,709	
Total Customer "Out Minutes"	3,893 Average Length of a Service Interruption (L-Bar)	125.58 Mins

Outage Duration Times

Average Hours: 2
Maximum Hours: 10
Minimum Hours: 0

Cause of Outages

Cause	Overhead	Underground	Undetermined	Total
1. Weather	0	0	0	0
1. Vegetation	4	0	1	5
1. Animals	11	2	0	13
1. Foreign Interference	0	0	0	0
1. Human Cause	3	2	0	5
1. Undetermined	1	0	0	1
1. Equipment Failure	1	3	3	7
1. All Remaining Outages	0	0	0	0
Total	20	7	4	31

Durations Reliability Report Between 10/01/2017 and 11/30/2017

Excludes Extreme Weather and Generation/Transmission Disturbances

CUSTOMER DATA	RELIABILITY INDICIES	MONTHLY AVG GOAL
Monthly Average Customers Served(C)	96,359 Average Service Availability Index (ASAI)	99.9972%
Total Hours of Customer Demand	138,756,960 System Average Interruption Duration Index (SAIDI)	2.46 Mins 4.5 Mins
Total Number of Outages	103 Customer Average Interruption Duration Index (CAIDI)	32.52 Mins 55 Mins
Total Number of Customers Affected (CI)	7,285 System average Interruption Frequency Index (SAIFI)	0.08 0.08
Total Customer Minutes Interrupted (CMI)	236,900	
Total Customer "Out Minutes"	11,404 Average Length of a Service Interruption (L-Bar)	110.72 Mins

Outage Duration Times

Average Hours: 1
Maximum Hours: 10
Minimum Hours: 0

Cause of Outages

Cause	Overhead	Underground	Undetermined	Total
1. Weather	0	0	0	0
1. Vegetation	27	2	5	34
1. Animals	18	6	0	24
1. Foreign Interference	0	0	0	0
1. Human Cause	3	3	2	8
1. Undetermined	4	3	0	7
1. Equipment Failure	9	10	11	30
1. All Remaining Outages	0	0	0	0
Total	61	24	18	103

ENERGY DELIVERY - UAB REPORT - NOVEMBER 2017

Energy Delivery - Major Design Projects - Electric

Major Electric Design Projects underway:

- > Butler Plaza Town Center
- > Boulevard Station, Butler Fire Station
- > Blues Creek Unit 7 – 16 residential units
- > Springhill MOB Phase 2
- > Greenhouse Church
- > One College Park (apartments)
- > CRA - NW 1st Ave (OH to UG conversion)
- > Ingenuity (office building)
- > Depot Ave. Phase #4 Project (relocation due to road work)
- > The Nine (apartments)

Major Electric Design Projects expected to start within 30 days:

- > Drury Inn & Suites – 4000 SW 40 Blvd (Hotel)
- > Gloria's Way Subdivision - 42 lot subdivision 900 SW 122nd Street
- > North Florida Women's Clinic - 4337 NW 8th Avenue
- > CRA South Main Street (OH to UG Conversion)
- > Hub on Campus (Apartments & Retail)
- > 238 W. University Avenue (Apartments & Retail)

ENERGY DELIVERY - UAB REPORT - NOVEMBER 2017

Energy Delivery - Major Construction Projects - Gas

Major Gas Design Projects:

- > Gas Construction, Engineering and Marketing reviewing options to extend gas service into Newberry. Reviewing and estimating costs from the Argos Line as well as from Sable Trail. Marketing preparing ROR's.
- > 300 Blk NW 15th St bare steel replacements (1,700 ft) - construction plans
- > Amariah Subdivision, 4,400 ft. gas main installation - County Permit Request
- > Greenhouse Church gas main crossing on NW 39th Ave, 1,600 ft. - County Permit Request
- > Provide utility work schedules for the SunTrail/Tower Road drainage/resurfacing (County project)
- > Provide utility work schedules for the SE 4th Street reconstruction (City project)

New Services installed in November: 37 – New Customer work/Not replacement work

ENERGY DELIVERY - UAB REPORT - NOVEMBER 2017

Electric System Consumption

ELECTRIC SYSTEM	CONSUMPTION	CUSTOMERS
Feed-In-Tariff - Residential	52 KWH	104
Feed-In-Tariff - General Service	2,426 KWH	157
Electric - GS - Demand - Regular	49,921,078 KWH	1,237
Electric - General Service Demand PV	657,476 KWH	15
GREC Startup Supplemental and Standby	452,351 KWH	1
Electric - GS - Kanapaha w Curtail Cr	997,200 KWH	1
Electric - GS - Demand - Large Power	8,036,440 KWH	8
Electric - GS - Murphree Curtail Credit	1,444,800 KWH	1
Electric - GS Large Demand PV	4,250,400 KWH	2
Electric - GS - Non Demand	14,168,512 KWH	9,782
Electric - General Service PV	100,591 KWH	53
Electric - Lighting - Rental	1,011,528 KWH	4,607 <i>n</i>
Electric - Lighting - Street - City	792,176 KWH	14 <i>n</i>
Electric - Lighting - Street - County	299,356 KWH	2 <i>n</i>
Electric - Lighting - Traffic	4,542 KWH	2 <i>n</i>
Electric - Residential - Non TOU	56,991,966 KWH	86,049
Electric - Residential PV	124,085 KWH	227
Total Retail Electric (<i>n</i> =not included in total)	<u>139,254,979 KWH</u>	<u>97,637</u>
City of Alachua	9,025,000 KWH	18,153 KW
City of Winter Park	7,200,000 KWH	10,000 KW
Total (Native) Electric	155,479,979 KWH	

ENERGY DELIVERY - UAB REPORT - NOVEMBER 2017

Gas System Consumption

GAS SYSTEM

Gas - GS - Regular Service (Firm)	725,010 THM	1,395
Gas - GS - Regular Service (Small)	11,458 THM	257
Gas - GS - Interruptible - Regular Serv	20,224 THM	1
Gas - GS - Interruptible - Large Volume	421,385 THM	7
Gas - Residential - Regular Service	442,796 THM	34,008
Total Retail Gas	<u>1,620,873 THM</u>	<u>35,668</u>
Gas - GS - UF Cogeneration Plant	3,517,164 THM	1
Gas - Residential - LP - Basic Rate	3,167 GAL	196
GREC Gas (PGA Only)	13,400 THM	1

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ENERGY SUPPLY

SYSTEM STATISTICS

ENERGY DISTRIBUTION

FUEL

Energy Supply -November 2017

System Statistics

	Unit Capability output - MWn
DH-2	228
DH-1	75
Kelly CC	108
CT's	106
Grid	2 X 224
GREC	102.5

Energy Supply - MWHrs Delivered

Source	Month	YTD	Budget YTD	Delta Budget
DH-2	54,792	118,719	208,226	(89,507)
DH-1	17,418	34,109	25,359	8,750
Kelly CC	905	18,051	14,969	3,082
CT's	218	218	-	218
Grid	13,695	70,076	52,758	17,318
GREC	49,589	96,752	-	96,752

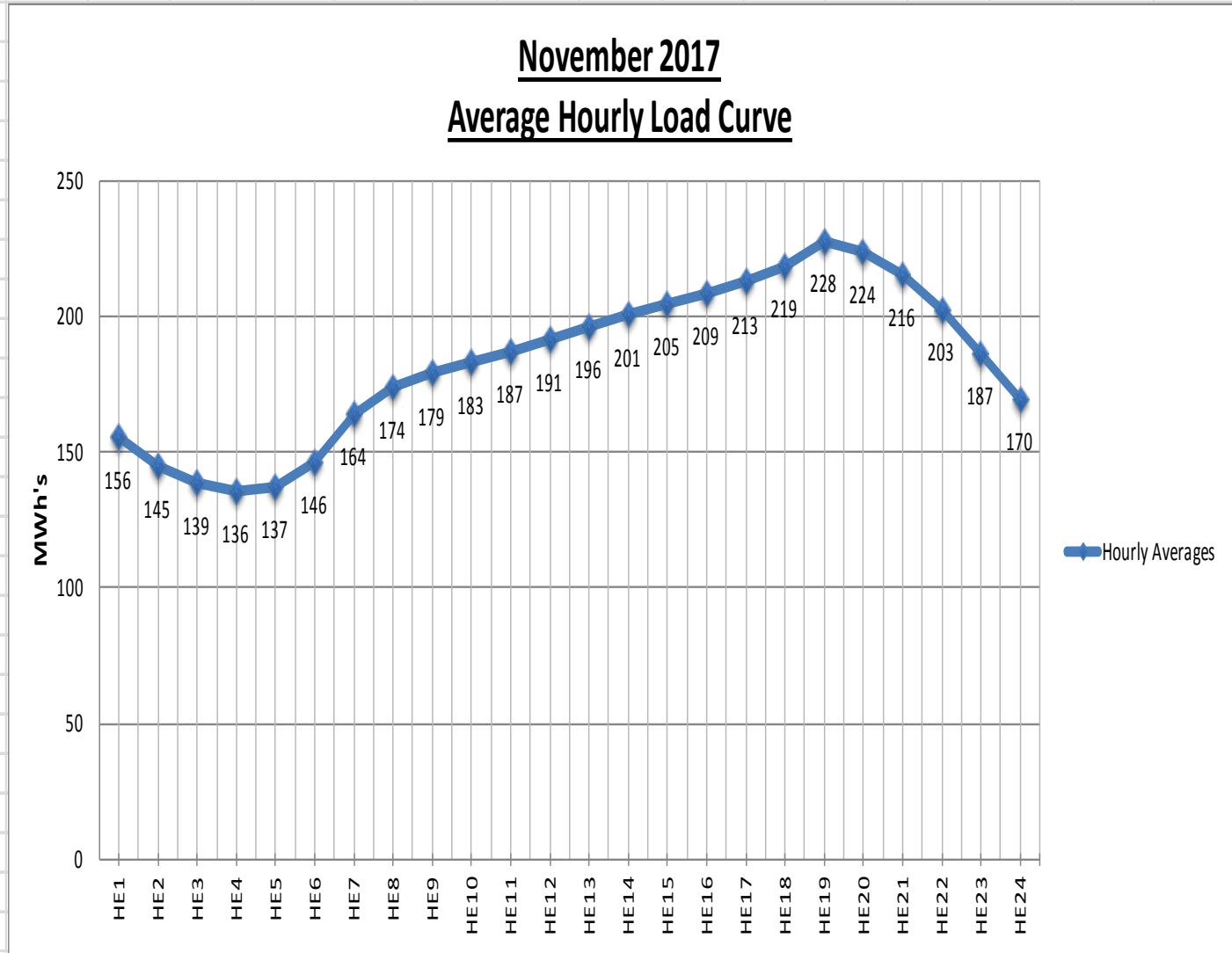
Average Energy Distribution Curve

Curve 1 is the hourly distribution of load averages over the month (Pg ES2)
 Curve 2 is peak load per day (Pg ES3)

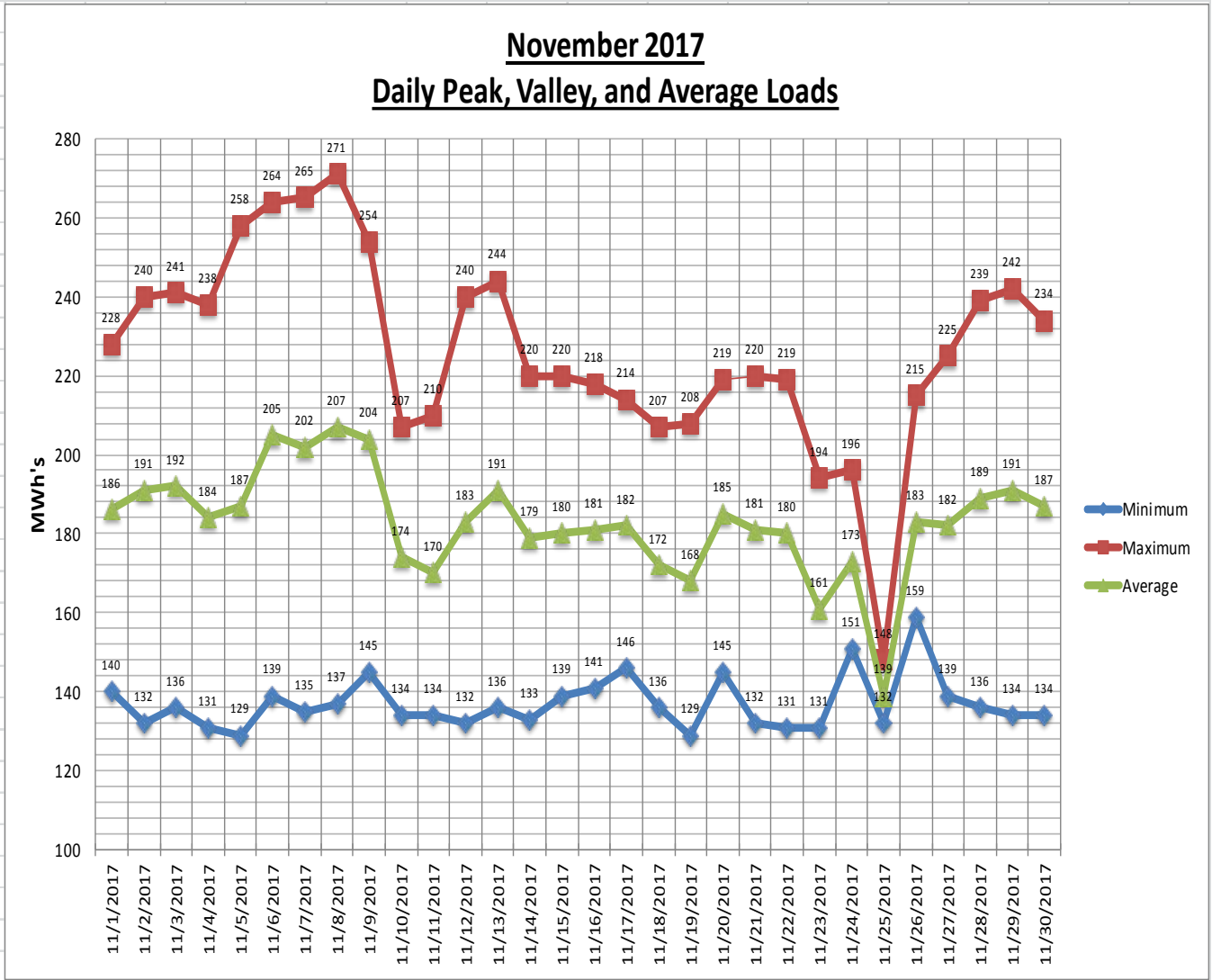
Fuel Consumed

	Month	YTD	Budget YTD	Delta Budget
Coal - Tons	20,462	45,347	106,380	(61,033)
Gas-MCF	464,361	996,178	580,226	415,952
Fuel oil - Gal	-	-	-	-

Hour Ending	Ave. Load
HE1	156
HE2	145
HE3	139
HE4	136
HE5	137
HE6	146
HE7	164
HE8	174
HE9	179
HE10	183
HE11	187
HE12	191
HE13	196
HE14	201
HE15	205
HE16	209
HE17	213
HE18	219
HE19	228
HE20	224
HE21	216
HE22	203
HE23	187
HE24	170



Date	Valley	Peak	Ave
11/1/2017	140	228	186
11/2/2017	132	240	191
11/3/2017	136	241	192
11/4/2017	131	238	184
11/5/2017	129	258	187
11/6/2017	139	264	205
11/7/2017	135	265	202
11/8/2017	137	271	207
11/9/2017	145	254	204
11/10/2017	134	207	174
11/11/2017	134	210	170
11/12/2017	132	240	183
11/13/2017	136	244	191
11/14/2017	133	220	179
11/15/2017	139	220	180
11/16/2017	141	218	181
11/17/2017	146	214	182
11/18/2017	136	207	172
11/19/2017	129	208	168
11/20/2017	145	219	185
11/21/2017	132	220	181
11/22/2017	131	219	180
11/23/2017	131	194	161
11/24/2017	151	196	173
11/25/2017	132	139	132
11/26/2017	132	215	183
11/27/2017	159	225	182
11/28/2017	139	239	189
11/29/2017	136	242	191
11/30/2017	134	234	187



Major Energy Supply Projects/Milestones Updates:

1. For Kelly Plant Generation Station Outage (JCC1 Outage):
 - a. The work on the combustion CT4 is on track with no significant discovery work, and expected to restore CT4 to service by 11/21/2017.
 - b. The work on Unit #8 has had significant discovery of cracking in the turbine steam chest, even more extensive than what we saw in the 2013 outage. As such we have arranged for these repairs to be done by Siemens in their Charlotte, NC Shop. The steam chest shipped on 11/4, and arrived in Charlotte on 11/5. With a 21 day weld estimate if all goes as planned Unit #8 (and hence JCC1) could be fully restored to service by mid-December.
2. For the South Energy Center Phase 2 project we are continuing with the electrical migration of the new Wartsilla engine (REG1) and the new 3 MW Diesel Engine (DG3). We are working diligently with the hospital to meet all the required testing and performance guarantees. As the migration testing impacts both hospitals (Cancer and Cardio/Neuro-medicine), most of the testing has had to be done after the last patient surgery at night (~10:00pm) and through the night.
3. The focus for last two months was on the addition of the Deerhaven Renewable to the Energy Supply Generation. At this point we are happy to report through all the efforts we are ready for this to occur as planned on 11/7/2017.

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ENVIRONMENTAL PERMITTING

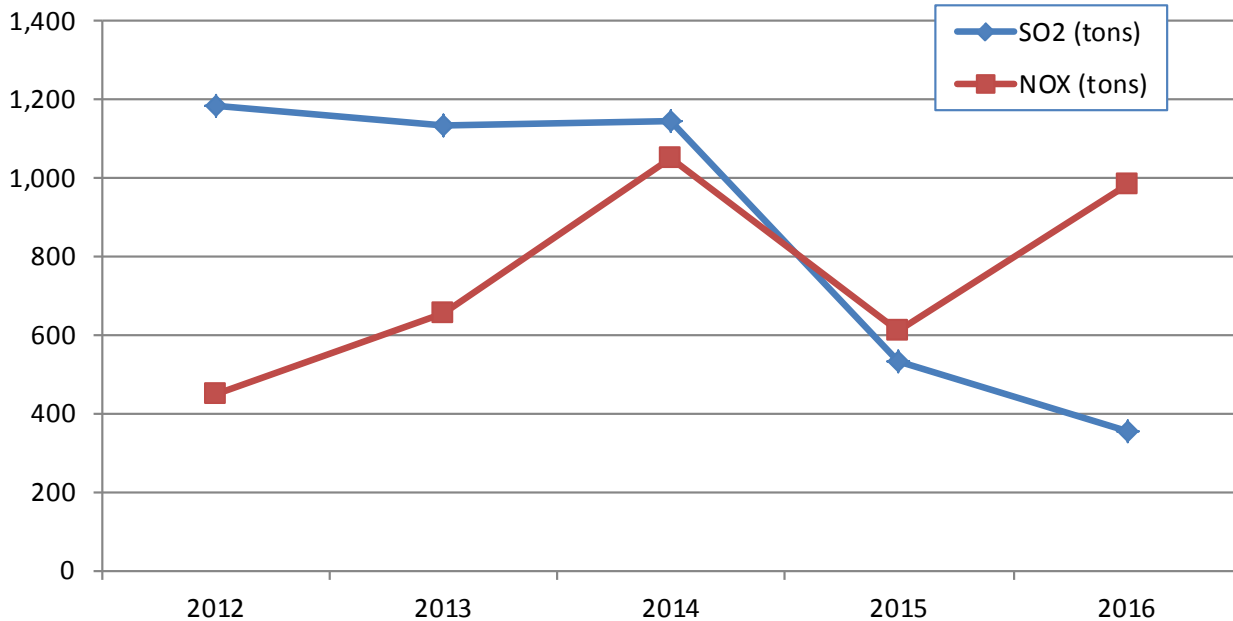
EMISSIONS DATA

Yearly Emissions

	SO ₂ (tons)	NO _x (tons)	Mercury (lbs)	PM (tons)	CO ₂ (tons)
2012	1,182	450	8.95	125	1,317,603
2013	1,134	653	6.64	112	1,177,703
2014	1,144	1,052	6.23	32	1,192,647
2015	532	608	5.49	47	1,260,423
2016	354	984	2.92	61	1,216,690

2016 Mercury values are for Unit 2 only.

SO₂ and NO_x (tons)

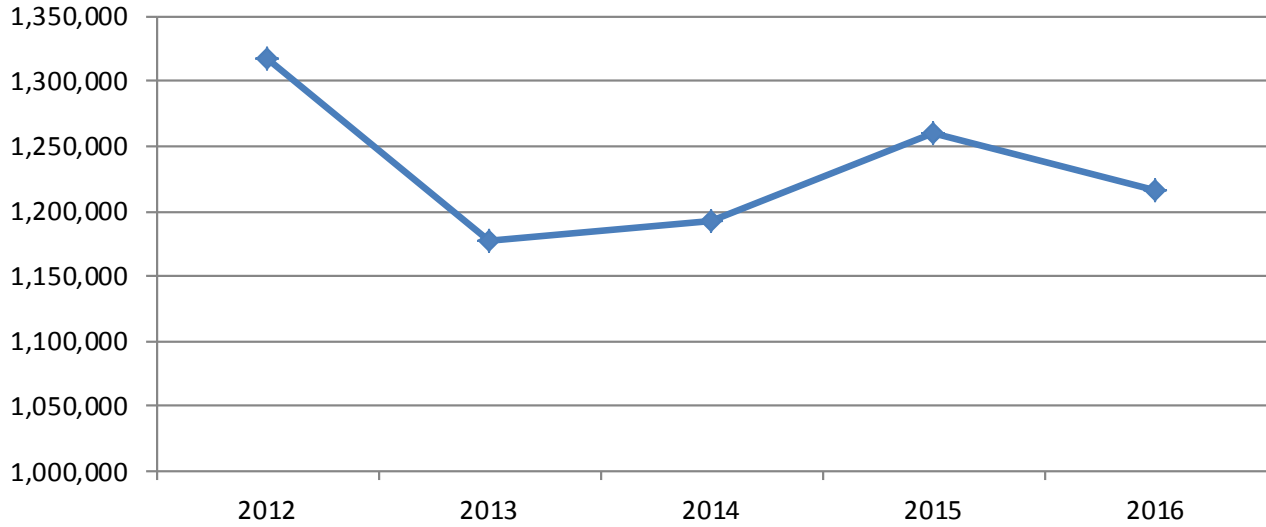


SO₂ was lower in 2015 and 2016 due to higher removal rate settings to assure compliance with the MATS Rule.

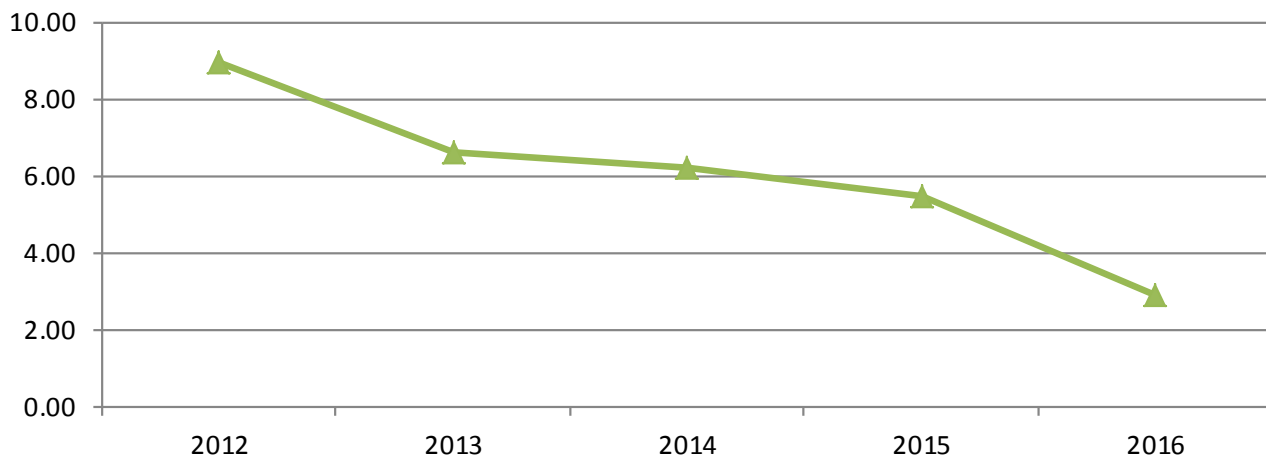
NO_x was higher in 2016 since it was more cost effective to use allowances than increase SCR removal rate.

Yearly Emissions

CO₂ (tons)



Mercury (lbs)

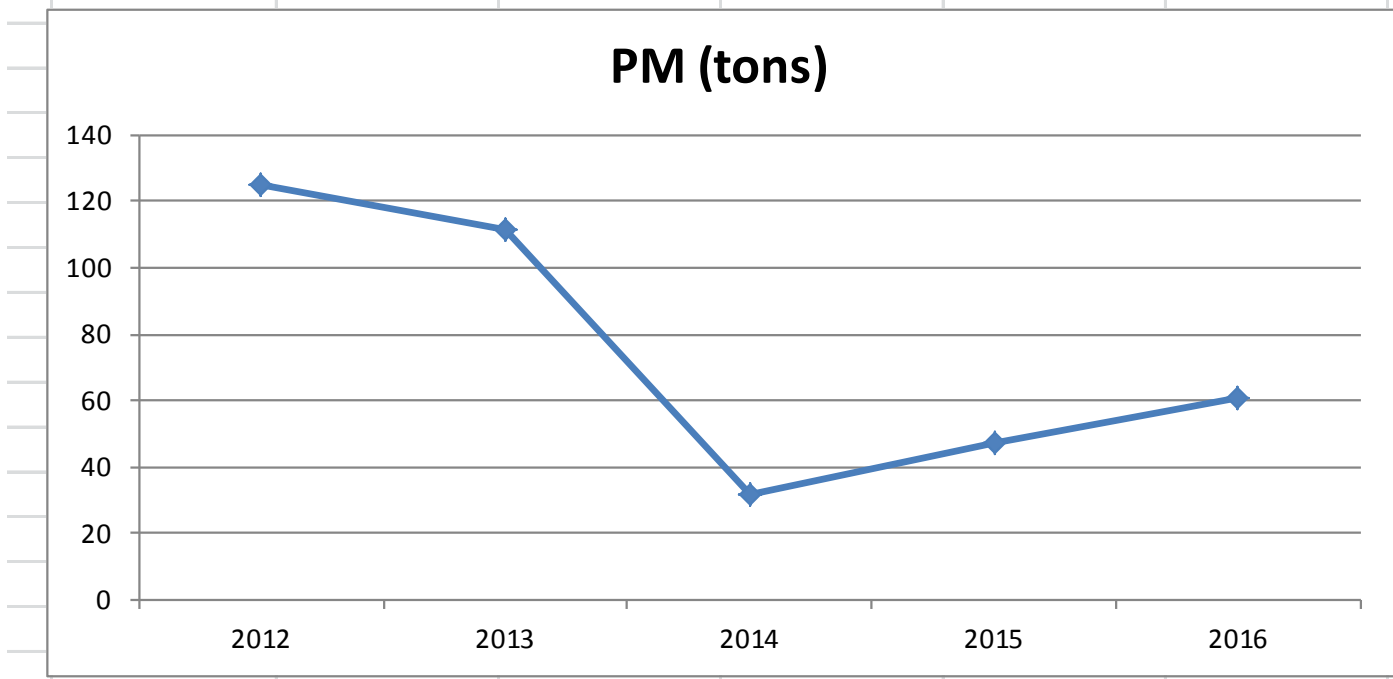


2016 Mercury values are for Unit 2 only.

Mercury was lower in 2015 and 2016 due to higher removal rate settings to assure compliance with the MATS Rule.

Yearly Emissions

PM (tons)



Mass Emissions - Last Month for 5 Years - November

		SO₂ (tons)	NO_x (tons)	Mercury (lbs)	PM (tons)	CO₂ (tons)	HTIP (MMBtu)	GEN (MW-hours)
Nov. 2013		0.2	26.6			33,669	566,548	49,175
Nov. 2014		0.1	21.6			23,029	387,530	40,138
Nov. 2015		8.1	26.6	0.1	0.3	52,380	851,552	96,684
Nov. 2016		0.3	22.0	0.0	0.0	48,400	814,416	92,981
Nov. 2017		38.6	116.3	0.5	0.0	77,867	867,651	86,646
		SO₂ (tons)	NO_x (tons)	Mercury (lbs)	PM (tons)	CO₂ (tons)	HTIP (MMBtu)	GEN (MW-hours)
Nov. 2013	DH1	0.1	21.8			16,495.3	277,579.0	26,146.0
	DH2	0.0	0.0			0.0	0.0	0.0
	DHCT3	0.0	0.0			150.1	2,526.0	183.0
	JRKCC1	0.1	4.8			17,023.9	286,443.0	22,846.0
	TOTAL	0.2	26.6	0.000	0.00	33,669.3	566,548.0	49,175.0
		SO₂ (tons)	NO_x (tons)	Mercury (lbs)	PM (tons)	CO₂ (tons)	HTIP (MMBtu)	GEN (MW-hours)
Nov. 2014	DH1	0.1	18.2			14,673.2	246,931.0	24,068.0
	DH2	0.0	0.0			0.0	0.0	0.0
	DHCT3	0.0	0.0			14.9	251.0	0.0
	JRKCC1	0.0	3.4			8,341.2	140,348.0	16,070.0
	TOTAL	0.1	21.6	0.000	0.00	23,029.3	387,530.0	40,138.0
		SO₂ (tons)	NO_x (tons)	Mercury (lbs)	PM (tons)	CO₂ (tons)	HTIP (MMBtu)	GEN (MW-hours)
Nov. 2015	DH1	0.1	12.8			11,521.0	193,843.0	18,780.0
	DH2	7.8	7.1	0.15	0.26	4,639.3	47,254.0	4,696.0
	DHCT3	0.0	0.2			687.9	11,576.0	914.0
	JRKCC1	0.2	6.5			35,531.7	598,879.0	72,294.0
	TOTAL	8.1	26.6	0.148	0.26	52,379.9	851,552.0	96,684.0
		SO₂ (tons)	NO_x (tons)	Mercury (lbs)	PM (tons)	CO₂ (tons)	HTIP (MMBtu)	GEN (MW-hours)
Nov. 2016	DH1	0.1	14.0			11,894.7	200,147.0	17,278.0
	DH2	0.0	0.0	0.00	0.00	0.0	0.0	0.0
	DHCT3	0.0	0.1			581.4	9,782.0	708.0
	JRKCC1	0.2	7.9			35,924.1	604,487.0	74,995.0
	TOTAL	0.3	22.0	0.000	0.00	48,400.2	814,416.0	92,981.0
		SO₂ (tons)	NO_x (tons)	Mercury (lbs)	PM (tons)	CO₂ (tons)	HTIP (MMBtu)	GEN (MW-hours)
Nov. 2017	DH1	0.1	15.5			14,293.9	240,543.0	19,167.0
	DH2	38.5	100.1	0.455	0.000	62,530.3	609,572.0	66,260.0
	DHCT3	0.0	0.1			198.8	3,345.0	234.0
	JRKCC1	0.0	0.6			843.6	14,191.0	985.0
	TOTAL	38.6	116.3	0.455	0.0	77,866.6	867,651.0	86,646.0

There is no November PM reading due to the PM monitor being sent to the vendor for repairs during the month of November.

Mass Emissions Rate - Last Month for 5 Years per MWh

		SO ₂ lbs per MW-hr net	NO _x lbs per MW-hr net	Hg lbs per MW-hr net	PM lbs per MW-hr net	CO ₂ tons per MW-hr net	HTIP (MMBtu)	GEN (Net MW-hours)
Nov. 2013	DH1	0.00765	1.66756			0.63089	277,579.0	26,146.0
	DH2	0.00000	0.00000			0.00000	0.0	0.0
	DHCT3	0.00000	0.00000			0.82022	2,526.0	183.0
	JRKCC1	0.00875	0.42020			0.74516	286,443.0	22,846.0
		SO ₂ lbs per MW-hr net	NO _x lbs per MW-hr net	Hg lbs per MW-hr net	PM lbs per MW-hr net	CO ₂ tons per MW-hr net	HTIP (MMBtu)	GEN (Net MW-hours)
Nov. 2014	DH1	0.00831	1.51238			0.60966	246,931.0	24,068.0
	DH2	0.00000	0.00000			0.00000	0.0	0.0
	DHCT3	0.00000	0.00000			0.00000	251.0	0.0
	JRKCC1	0.00000	0.42315			0.51905	140,348.0	16,070.0
		SO ₂ lbs per MW-hr net	NO _x lbs per MW-hr net	Hg lbs per MW-hr net	PM lbs per MW-hr net	CO ₂ tons per MW-hr net	HTIP (MMBtu)	GEN (Net MW-hours)
Nov. 2015	DH1	0.01065	1.36315			0.61347	193,843.0	18,780.0
	DH2	3.32198	3.02385			0.98793	47,254.0	4,696.0
	DHCT3	0.00000	0.43764			0.75263	11,576.0	914.0
	JRKCC1	0.00553	0.17982			0.49149	598,879.0	72,294.0
		SO ₂ lbs per MW-hr net	NO _x lbs per MW-hr net	Hg lbs per MW-hr net	PM lbs per MW-hr net	CO ₂ tons per MW-hr net	HTIP (MMBtu)	GEN (Net MW-hours)
Nov. 2016	DH1	0.01158	1.62056			0.68843	200,147.0	17,278.0
	DH2	0.00000	0.00000	0.000000	0.000	0.00000	0.0	0.0
	DHCT3	0.00000	0.28249			0.82119	9,782.0	708.0
	JRKCC1	0.00533	0.21068			0.47902	604,487.0	74,995.0
		SO ₂ lbs per MW-hr net	NO _x lbs per MW-hr net	Hg lbs per MW-hr net	PM lbs per MW-hr net	CO ₂ tons per MW-hr net	HTIP (MMBtu)	GEN (Net MW-hours)
Nov. 2017	DH1	0.01043	1.61736			0.74576	240,543.0	19,167.0
	DH2	1.16209	3.02143	0.000007	0.000	0.94371	609,572.0	66,260.0
	DHCT3	0.00000	0.85470			0.84957	3,345.0	234.0
	JRKCC1	0.00000	1.21827			0.85645	14,191.0	985.0

2016 Emissions									
	SO ₂ (tons)	NO _x (tons)	Mercury (lbs)	PM (tons)	CO ₂ (tons)	NO _x Rate (lb/mmBtu)	HTIP (mmBtu)	MW-hours	
DH1	2.7	161.4	NA	9.0	139,749.8	0.1340	2,349,851.0	202,123.0	
DH2	349.5	737.6	2.917	29.3	683,555.8	0.2320	6,664,325.0	675,645.0	
DHCT3	0.0	1.2	NA	0.3	4,737.4	0.0420	79,720.0	6,062.0	
JRKCC1	2.0	83.8	NA	22.0	388,646.5	0.0260	6,539,729.0	796,347.0	
TOTAL	354.2	984.0	2.917	60.6	1,216,689.5	0.434	15,633,625.0	1,680,177.0	
2016 Emissions per Net MW-hr									
	SO ₂ lbs/MW-hr	NO _x lbs/MW-hr	Mercury (lbs)	PM (lbs)	CO ₂ tons per MW-hr				
DH1	0.02672	1.59705	NA	0.08905	0.69141				
DH2	1.03457	2.18340	0.00000432	0.08682	1.01171				
DHCT3	0.00000	0.39591	0.000	0.09898	0.78149				
JRKCC1	0.00502	0.21046	0.000	0.05525	0.488				

2017 (Jan-Nov)

	SO₂ (tons)	NO_x (tons)	Mercury (lbs)	PM (tons)	CO₂ (tons)	SO ₂ Rate (lb/MMBtu)	NO _x Rate (lb/MMBtu)	HTIP (MMBtu)	GEN (MW-hours)
DH1	8.1	168.7			155,367.4			2,610,770.0	221,118.0
DH2	335.2	910.6	2.0	25.04	525,852.0			5,115,084.0	525,852.0
DHCT3	0.0	1.3			5,433.7			91,414.0	6,701.0
JRKCC1	1.3	54.9			265,304.5			4,464,251.0	551,294.0
TOTAL	344.6	1,135.5	2.038	25.0	951,957.6			12,281,519.0	1,304,965.0

DH2 PM was Jan - Oct 16 as the PM monitor was out of service

2017 (Jan-Nov.) Emissions per MW-hr

	SO₂ lbs/MW-hr	NO_x lbs/MW-hr	Mercury (lbs)	PM (lbs)	CO₂ tons/MW-hr	SO ₂ Rate (lb/MMBtu)	NO _x Rate (lb/MMBtu)	HTIP (MMBtu)	GEN (MW-hours)
DH1	0.07326	1.52588			0.70264			2,610,770.0	221,118.0
DH2	1.27488	3.46333	0.00000	0.09524	1.00000			5,115,084.0	525,852.0
DHCT3	0.00000	0.38800			0.81088			91,414.0	6,701.0
JRKCC1	0.00472	0.19917			0.48124			4,464,251.0	551,294.0

		GREC 2016 Emissions											
State	Facility Name	Facility ID (ORISPL)	Unit ID	Associated Stacks	Year	Quarter	Program(s)	SO2 (tons)	Avg. NOx Rate (lb/MMBtu)	NOx (tons)	CO2 (short tons)	Heat Input (MMBtu)	
FL	Gainesville Renewable Energy Center	57241	BFB1		2016	1-4	ARP	1.308	0.0685	21.148	65829.75	634316.337	
		GREC 2017 Emissions Quarter 1-3, January-September 2017											
State	Facility Name	Facility ID (ORISPL)	Unit ID	Associated Stacks	Year	Quarter	Program(s)	SO2 (tons)	Avg. NOx Rate (lb/MMBtu)	NOx (tons)	CO2 (short tons)	Heat Input (MMBtu)	
FL	Gainesville Renewable Energy Center	57241	BFB1		2017	1	ARP	2.169	0.07	39.92	121746.132	1168275.865	
FL	Gainesville Renewable Energy Center	57241	BFB1		2017	2	ARP	2.804	0.0628	47.65	158148.834	1515432.854	
FL	Gainesville Renewable Energy Center	57241	BFB1		2017	3	ARP	1.116	0.0641	18.314	60780.86	583579.19	

LEGAL EXPENSES

Fiscal Year to Date

LEGAL EXPENSES FISCAL YEAR TO DATE (FY18)

VENDOR	SPECIALITY	10/01-10/31 2017	11/01-11/30 2017	Total Legal Costs
1000963 HOPPING GREEN & SAMS	Environment	\$ 3,502.00	\$ 5,975.75	\$ 9,477.75
1001111 ORRICK HERRINGTON	Former Bond Counsel	\$ 8,129.89		\$ 8,129.89
1001204 HOLLAND & KNIGHT	Current Bond Counsel	\$ -	\$ 520,000.00	\$ 520,000.00
1005092 BRYANT MILLER OLIVE	Current Disclosure Counsel	\$ -	\$ 212,500.00	\$ 212,500.00
1001350 WINSTON & STRAWN	Power Purchase Agreement	\$ 138,815.83	\$ 25,297.88	\$ 164,113.71
1001076 JOHN & HENGERER	Energy Law	\$ 910.00	\$ -	\$ 910.00
		\$ 151,357.72	\$ 763,773.63	\$ 915,131.35

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WATER/WASTEWATER

PRODUCTION

MAINTENANCE

Water/Wastewater Monthly Dashboard

Production						
Murphree Water Treatment Plant						
		November 2017	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	23.4	23.7	30	79%	
	Peak Daily Flow	25.9	25.9	54	-	
Main Street Water Reclamation Facility						
		November 2017	FY to Date (mgd)	Permitted Capacity (mgd)		Status
	Average Daily Flow	5.5	6.4	7.5		
Kanapaha Water Reclamation Facility						
		November 2017	FY to Date (mgd)	Permitted Capacity (mgd)		Status
	Average Daily Flow	11.6	12.5	14.9		
Water Reclamation Facilities (Combined)						
		November 2017	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	17.1	18.9	22.4	84%	
Maintenance						
Wastewater Collections						
		Nov 2017 (Miles)	FYTD	Monthly Goal (miles)		
	Miles of gravity mains cleaned	4.8	10.1	7.5		
	Miles of gravity mains TV inspected	3.6	8.7	7.5		
Water Distribution & Wastewater Collections						
		Nov 2017	FYTD			
	Work orders, service orders completed	1285	2,262			
SSO Monthly Summary						
		November	FYTD	GOAL		
	Sanitary Sewer Overflows	2	4	<16		