

STATE OF THE UTILITY

OPERATIONS SUMMARY

CORPORATE SAFETY

ENVIRONMENTAL

REGULATORY

PERSONNEL

May 2018

Safety

Employees

	Current Month			Year to Date		
	First Aid	Recordable	DART	First Aid	Recordable	DART
Administration		0	0	1	0	0
WWW Systems		0	0	1	1	0
Energy Supply		0	0	0	3	0
Energy Delivery - Electric/Gas		0	0	5	3	2
GRUCom		0	0	0	0	0
Totals		0			7	

Vehicles

	Current Month			Year to Date		
	Miles Driven	Recordable	Preventable	Miles Driven	Recordable	Preventable
Administration		0	0	103,107	0	0
WWW Systems		0	0	550,061	5	2
Energy Supply		0	0	61,009	2	2
Energy Delivery - Electric/Gas		1	1	751,094	6	4
GRUCom		0	0	62,321	0	0
Totals		1		1,527,592	13	

NOTE: Miles Driven has not yet been reported by Fleet.

NOTE: Miles Driven is through April - May data not yet reported

Environmental

	Current Month	Calendar Year to Date
Notices of Violation	0	0
Emissions		
DH1, DH2, DHCT3, JRKCC1		
CO ₂ (tons)	89,675	432,563
NO _x (tons)	106	556
SO ₂ (tons)	30.0	228.7
DH Unit 2 (only)		
PM _{FILT} (tons)	5	20
Hg (lbs)	0.37	1.78

Regulatory

	Current Month	Calendar Year to Date
NERC		
Notice of Violations	0	2
Self Reports/Potential Violations	1	2

Personnel			
	Authorized Positions	Filled Positions	Current Vacancies
Administration	16	15	1
Business Services and GRUCom	3	2	1
Chief Operating Officer	18	16	2
Customer Support Services	117.25	112	5.25
Energy Delivery	263	240	23
Energy Supply	145	137	8
Energy Supply - District Energy	10	10	0
Finance	43	27	16
GRUCom	35	28	7
Information Technology	68	56	12
Water Wastewater	168	161	7
Grand Total	886.25	804	82.25

Utility Advisory Board Monthly Report – FY 2018 Safety Data Summary

Employee Injuries	(DART – days away, restricted duty, temporary transfer)
10/09/2017	Employee was nicked in the chest when his knife slipped while removing the insulation from electric service conductor. The wound was treated and closed. Employee returned to regular duty after treatment.
10/20/2017	While trying to open a valve using both his hands gripped together, the employee strained his left middle finger. Employee returned to regular duty after treatment.
11/04/2017	Employee lacerated his right hand and index finger on a sharp metal edge when a junction box cover came loose unexpectedly. Employee returned to regular duty after treatment.
11/21/2017	While cleaning the lime machine, employee had an unknown substance splash in his eye causing irritation. Employee returned to regular duty after treatment.
12/13/2017	Employee strained both shoulders while pulling off an electrical connection from an underground transformer using an insulated switch stick. (DART – days away & restricted duty)
01/26/2018	Employee had stiffness to neck and shoulders after his vehicle was rear-ended while stopped in traffic. Employee was placed on restricted duty after treatment. (DART – restricted duty)
02/05/2018	While installing components on the roof, employee noticed something in his eye. He flushed with water and irritant seemed to go away. The following morning the eye was red and irritated. Employee was prescribed eye drops and returned to regular duty.

Utility Advisory Board Monthly Report – FY 2018 Vehicle Collision Summary

Vehicle Collisions	(P) indicates preventable by our employee
10/09/2017	Employee caused damage to the front light and fender of the GRU truck while turning in close proximity to another vehicle that had its lay down bin door open. The bin door was not damaged in the collision. (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)
12/05/2017	While the GRU employee was driving a boom truck westbound on University Avenue, a private van entered the road from a side street. The van did not maintain its lane and collided with the passenger side rear wheel of the GRU truck.
12/05/2017	GRU employee bumped into the rear of private vehicle as it was preparing to turn right onto 13th Street. Private vehicle started to turn right, but then stopped, and the GRU employee failed to notice as he moved forward to turn right as well. (P)
12/27/2017	A GRU tractor trailer was impacted by a private vehicle as the vehicles were turning left onto Archer Road from Tower Road. The private vehicle ran into the driver's side rear tire of the semi-trailer, causing bumper and headlight damage to the private vehicle. The GRU trailer received minimal damage to the wheel and minor cuts to the tire that was impacted.
01/26/2018	A private vehicle failed to stop for traffic and collided with a mail truck behind a GRU vehicle. The impact of the collision drove the mail truck into the back of our vehicle. Both the mail truck and GRU vehicle were stopped at a red light on 34 th street when the collision occurred. The damage was to the rear of our vehicle and caused injury to our driver.
02/28/2018	A GRU Service truck towing a trailer/backhoe was northbound on Main Street. While stopped at the traffic light at North 23 rd Ave, the trailer was hit by a pick-up truck. No visible damage to our trailer, minimal damage to the front of the pick-up truck.

03/08/2018 While pulling out of a parking space, employee turned the truck too tight and the side of the truck scraped a bollard. (P)

04/11/2018 Employee in a GRU vehicle struck another vehicle while both were backing out of a parking spot adjacent to each other. (P)

05/03/2018 GRU vehicle and private vehicle made contact as the GRU vehicle merged into the travel lane. GRU's front left tire and private vehicles right rear door and fender well were the contact areas.

CUSTOMER SUPPORT SERVICES

Customer Operations

New Services

Revenue Assurance

Customer Operations Metrics Summary May 2018

Active Accounts	May-18	YTD Gain/Loss	FY17
<i>Residential Contract Accounts</i>			
Total	90,362	260	90,102
Electric	83,846	152	83,694
Gas	33,407	284	33,123
Water	62,888	196	62,692
Wastewater	58,812	152	58,660
Telecomm	123	(14)	137

Active Accounts	May-18	YTD Gain/Loss	FY17
<i>Nonresidential Contract Accounts</i>			
Total	13,476	(1)	13,477
Electric	10,921	4	10,917
Gas	1,644	31	1,613
Water	5,882	(10)	5,892
Wastewater	4,650	(1)	4,651
Telecomm	356	3	353

New Installations	May-18	FY18 To Date	FY17
Electric	396	1095	1545
Gas	66	339	432
Water	57	391	525
Wastewater	55	385	530
Telecomm	6	67	223

Residential Disconnects	May-18	FY18 To Date	FY17
Volume	1,237	10,630	14,335
Average Balance	\$228.73	\$248.37	\$245.50

Revenue Assurance	May-18	FY18 To Date	FY17
Referred to Collections	\$145,625.79	\$1,208,527.53	\$2,214,584.97
Recovered	\$54,469.60	\$528,607.37	\$664,519.40

Call Center Volume	May-18	FY18 To Date	FY17
Residential ASA	0:07:47	0:10:51	0:07:23
Business ASA	0:05:11	0:04:23	0:03:43
Payment Arrangement ASA	0:05:27	0:07:34	0:04:58
CSR Calls	14,004	91,419	159,591
CSR Callbacks	1,505	15,779	19,673
IVR Self Service	21,779	181,869	283,147
Total	35,783	273,288	421,863
IVR/Total	61%	67%	67%

Service Orders	May-18	FY18 To Date	FY17
Move Ins	9,198	59,798	117,647
Move Outs	9,478	60,205	117,865

Bills Generated	May-18	FY18 To Date	FY17
Paper Bills	105,752	848,099	1,245,142
eBills	17,029	133,847	191,498
Total	122,781	981,946	1,436,640
eBill/Total	14%	14%	13%

Average Res Bill Amounts	May-18	FY18 To Date	FY17
Electric (kWh)	673	727	804
Electric (\$)	\$97.61	\$107.66	\$117.98
Gas (Therms)	13	27	16
Gas (\$)	\$25.14	\$40.13	\$28.81
Water (kGals)	5	5	5
Water (\$)	\$31.69	\$30.57	\$31.74
Wastewater (kGals)	5	5	5
Wastewater(\$)	\$36.36	\$37.57	\$38.08

Payment Arrangements	May-18	FY18 To Date	FY17
Total	11,890	70,889	95,142

ENERGY DELIVERY

ELECTRIC T&D
SYSTEM RELIABILITY
GAS

ENERGY DELIVERY - UAB REPORT - MAY 2018

Durations Reliability Report Between 5/01/2018 and 5/31/2018

Excludes Extreme Weather and Generation/Transmission Disturbances

CUSTOMER DATA	RELIABILITY INDICIES		MONTHLY AVG GOAL	
Monthly Average Customers Served(C)	97,082	Average Service Availability Index (ASAI)	99.9886%	
Total Hours of Customer Demand	69,899,040	System Average Interruption Duration Index (SAIDI)	6.05 Mins	4.5 Mins
Total Number of Outages	98	Customer Average Interruption Duration Index (CAIDI)	28.94	55 Mins
Total Number of Customers Affected (CI)	20,297	System average Interruption Frequency Index (SAIFI)	0.12	0.08
Total Customer Minutes Interrupted (CMI)	587,485			
Total Customer "Out Minutes"	11,236	Average Length of a Service Interruption (L-Bar)	114.65 Mins	

Outage Duration Times

Average Hours: 1

Maximum Hours: 6

Minimum Hours: 0

Cause of Outages

Cause	Overhead	Underground	Undetermined	Total
1. Weather	5	1	1	7
1. Vegetation	29	1	8	38
1. Animals	9	0	7	16
1. Foreign Interference	0	0	0	0
1. Human Cause	0	4	2	6
1. Undetermined	2	0	0	2
1. Equipment Failure	12	11	5	28
1. All Remaining Outages	0	0	0	0
Total	57	17	23	97

Durations Reliability Report Between 10/01/2017 and 5/31/2018

Excludes Extreme Weather and Generation/Transmission Disturbances

CUSTOMER DATA	RELIABILITY INDICIES		FISCAL YTD GOALS	
Monthly Average Customers Served(C)	97,082	Average Service Availability Index (ASAI)	99.9911%	
Total Hours of Customer Demand	563,852,256	System Average Interruption Duration Index (SAIDI)	31.07 Mins	4.5 Mins
Total Number of Outages	465	Customer Average Interruption Duration Index (CAIDI)	38.45 Mins	55 Mins
Total Number of Customers Affected (CI)	78,444	System average Interruption Frequency Index (SAIFI)	0.81	0.56
Total Customer Minutes Interrupted (CMI)	3,016,508			
Total Customer "Out Minutes"	67,504	Average Length of a Service Interruption (L-Bar)	145.17 Mins	

Outage Duration Times

Average Hours: 2

Maximum Hours: 17

Minimum Hours: 0

Cause of Outages

Cause	Overhead	Underground	Undetermined	Total
1. Weather	32	5	6	43
1. Vegetation	116	9	27	152
1. Animals	50	7	7	64
1. Foreign Interference	0	0	0	0
1. Human Cause	13	14	9	36
1. Undetermined	19	5	3	27
1. Equipment Failure	39	70	33	142
1. All Remaining Outages	0	0	0	0
Total	269	110	85	464

ENERGY DELIVERY - UAB REPORT - MAY 2018

Energy Delivery - Major Projects

Major Electric Design Projects

- > Public Works-SW 4th Ave (Roadway Project, OH to UG Conversion)
- > Public Works-SE 4th St. (Roadway Project, OH to UG Conversion)
- > CRS South Main Street (Roadway Project, OH To UG Conversion)
- > Butler Town Center (Ongoing Retail Development)
- > Celebration Point (Ongoing Retail Development)
- > Utility Relocation projects (SW 8th Ave Extension, SW 20th Ave/SW 61st Street Widening)

Major Gas Design Projects:

- > Aloft Hotel-Main Installation
- > Butler Plaza-Main Installation-as needed (3200')
- > 600 - 1100 SE 4th St - Main relocation
- > Tower Road-SunTrust Trail- 6" Main Relocation due to road work
- > Celebration Point – SW 45th Pl – Gas Main Installation- as needed (9238').

New Gas Services installed in May: 36 - New Customers

ENERGY DELIVERY - UAB REPORT - MAY 2018

Electric System Consumption

ELECTRIC SYSTEM	CONSUMPTION	CUSTOMERS
Feed-In-Tariff - Residential	45 KWH	101
Feed-In-Tariff - General Service	2,777 KWH	157
Electric - GS - Demand - Regular	54,713,984 KWH	1,251
Electric - General Service Demand PV	1,139,907 KWH	17
Electric - GS - Kanapaha w Curtail Cr	1,062,000 KWH	1
Electric - GS - Demand - Large Power	9,554,520 KWH	9
Electric - GS - Murphree Curtail Credit	1,444,800 KWH	1
Electric - GS Large Demand PV	3,499,200 KWH	2
Electric - GS - Non Demand	13,541,460 KWH	9,697
Electric - General Service PV	74,404 KWH	57
Electric - Lighting - Rental	1,104,299 KWH	4,616 <i>n</i>
Electric - Lighting - Street - City	780,925 KWH	14 <i>n</i>
Electric - Lighting - Street - County	296,289 KWH	2 <i>n</i>
Electric - Lighting - Traffic	4,542 KWH	2 <i>n</i>
Electric - Residential - Non TOU	57,280,663 KWH	85,819
Electric - Residential PV	96,819 KWH	283
Total Retail Electric (<i>n</i> =not included in total)	<u>144,596,634 KWH</u>	<u>97,395</u>
City of Alachua	11,351,000 KWH	23,189 KW
City of Winter Park	7,440,000 KWH	10,000 KW
Total (Native) Electric	163,387,634 KWH	

Gas System Consumption

GAS SYSTEM		
Gas - GS - Regular Service (Firm)	765,140 THM	1,407
Gas - GS - Regular Service (Small)	10,920 THM	256
Gas - GS - Interruptible - Regular Serv	21,811 THM	1
Gas - GS - Interruptible - Large Volume	399,459 THM	7
Gas - Residential - Regular Service	422,890 THM	33,721
Total Retail Gas	<u>1,620,220 THM</u>	<u>35,392</u>
Gas - GS - UF Cogeneration Plant	3,479,357 THM	1
Gas - Residential - LP - Basic Rate	2,873 GAL	198

ENERGY SUPPLY

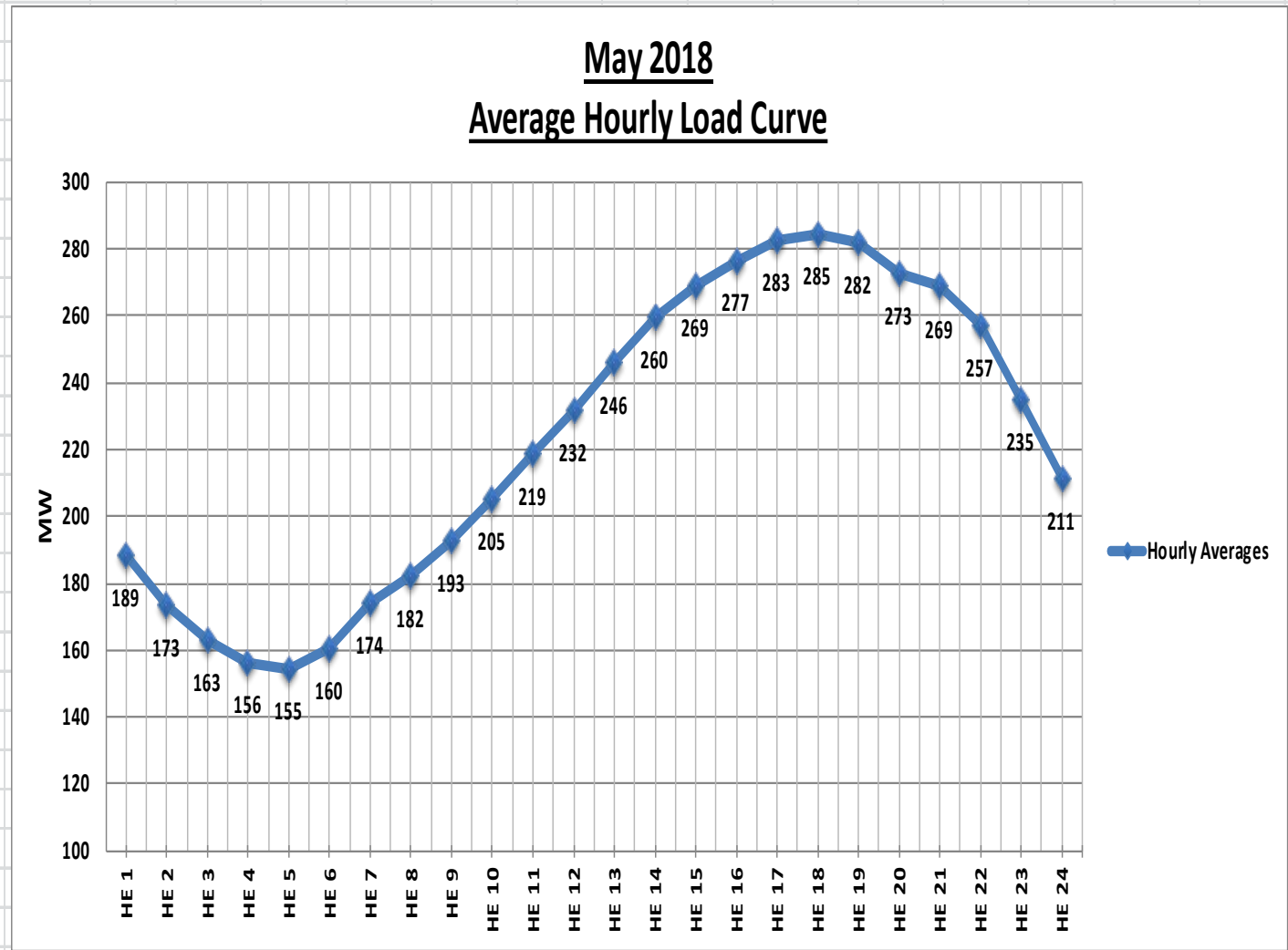
SYSTEM STATISTICS

ENERGY DISTRIBUTION

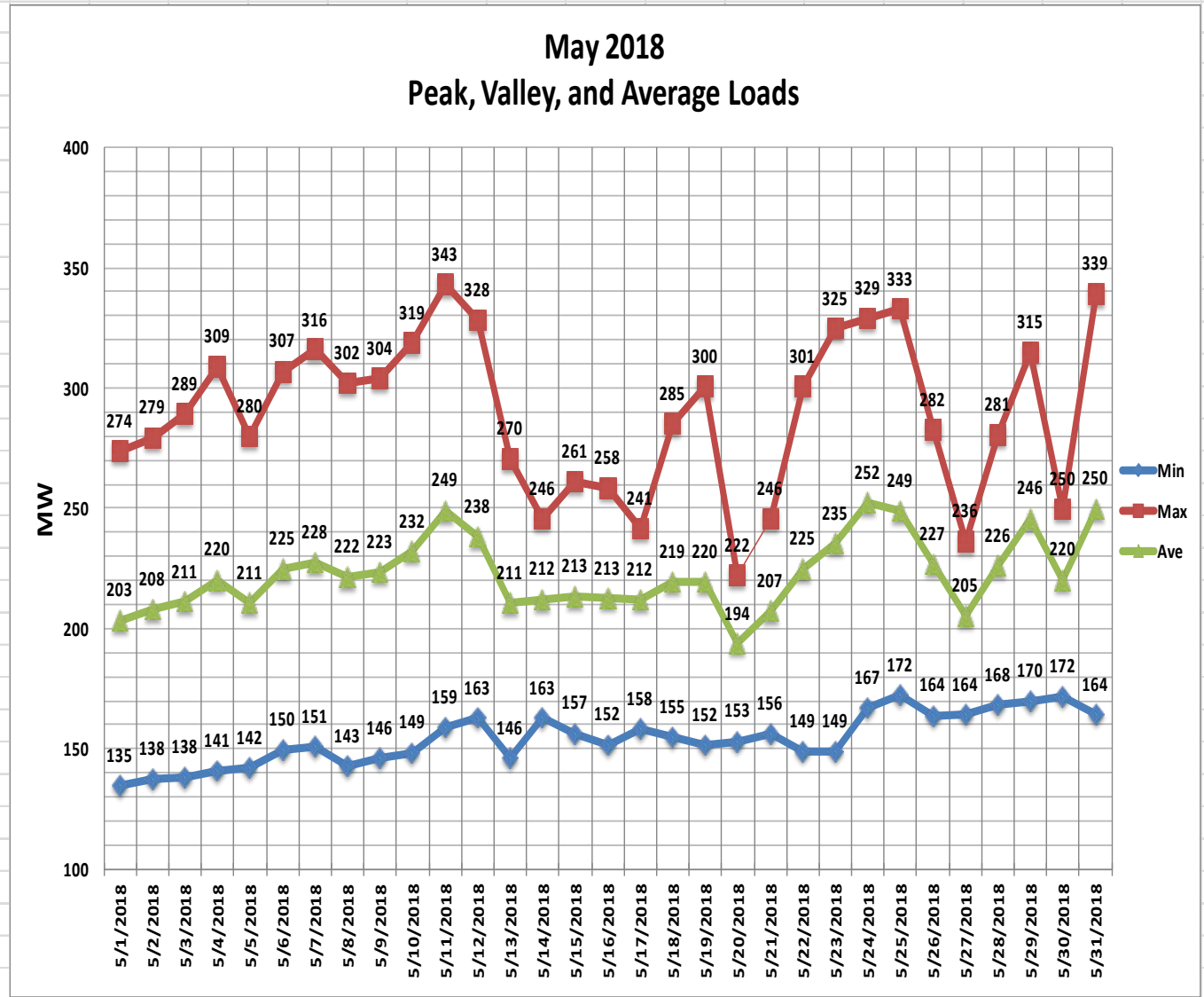
FUEL

May 2018					
Energy Supply					
System Statistics					
Unit Capability output - MWn					
	DH-2	228			
	DH-1	75			
	Kelly CC	108			
	CT's	106			
	Grid	2 X 224			
	DHR	102.5			
Energy Supply - MWHrs Delivered					
		Month	YTD	Budget YTD	Delta Budget
Source					
	DH-2	44,984	461,964	672,726	(210,762)
	DH-1	1,899	119,594	26,491	93,103
	Kelly CC	62,636	157,398	278,607	121,209
	CT's	11,192	2,526	215	2,311
	Grid	37,200	138,285	185,061	46,776
	DHR	47,346	360,446	33,720	326,726
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	16,189	174,003	352,995	(178,992)
	Gas-MCF	745,778	4,369,540	3,246,010	1,123,530
	Fuel oil - Gal	-	175,897	-	175,897
	Wood - Tons	67,637	390,825	318,391	72,434

Hour Ending	Ave. Load
HE 1	189
HE 2	173
HE 3	163
HE 4	156
HE 5	155
HE 6	160
HE 7	174
HE 8	182
HE 9	193
HE 10	205
HE 11	219
HE 12	232
HE 13	246
HE 14	260
HE 15	269
HE 16	277
HE 17	283
HE 18	285
HE 19	282
HE 20	273
HE 21	269
HE 22	257
HE 23	235
HE 24	211



Date	Valley	Peak	Ave
5/1/2018	135	274	203
5/2/2018	138	279	208
5/3/2018	138	289	211
5/4/2018	141	309	220
5/5/2018	142	280	211
5/6/2018	150	307	225
5/7/2018	151	316	228
5/8/2018	143	302	222
5/9/2018	146	304	223
5/10/2018	149	319	232
5/11/2018	159	343	249
5/12/2018	163	328	238
5/13/2018	146	270	211
5/14/2018	163	246	212
5/15/2018	157	261	213
5/16/2018	152	258	213
5/17/2018	158	241	212
5/18/2018	155	285	219
5/19/2018	152	300	220
5/20/2018	153	222	194
5/21/2018	156	246	207
5/22/2018	149	301	225
5/23/2018	149	325	235
5/24/2018	167	329	252
5/25/2018	172	333	249
5/26/2018	164	282	227
5/27/2018	164	236	205
5/28/2018	168	281	226
5/29/2018	170	315	246
5/30/2018	172	250	220
5/31/2018	164	339	250



Major Energy Supply Projects/Milestones Updates
As of June 5th, 2018

1. Deerhaven Unit #1 (DH1) is in a planned outage with the critical path work to repair turbine steam chest seating surface complete. Both seating surfaces were machined and the blue check of these surfaces post repair was satisfactory. Reassembly is complete and we expect to restore unit to service on June 9, 2018.
2. Deerhaven Combustion Turbine #3 (CT3) is near the end of a major inspection that began on February 28, 2018. Reassembly is in progress but has been significantly impacted by rain over last 2+ weeks. CT3 is completely outside and susceptible to the elements. Estimated restoration based on the weather forecast is around June 12, 2018.
3. For South Energy Center:
 - a. For the Phase 2 Project we are just completing the installation of the new designed louvers on the front of the building. This new design allows the louvers to actually open and shut without removal, allowing for us to remove equipment that cannot be handled by cargo elevator. Previous design required louvers to actually be removed by contractor at cost of approximately \$75,000.00, as well as 3 days duration each time.
 - b. For the Phase 2 Project the last outstanding item is still a possible addition of an additional 3 MW Emergency Diesel Generator for UF Health Data Center and essential load scenarios for Cancer, Cardiovascular, and Nero Medicine Towers. This decision goes to UF Health Board of Directors in June time frame for evaluation. In parallel GRU has been estimating cost if this direction is agreed upon to proceed
4. For Kelly Plant Generation Station:
 - a. Kelly Generation Station Unit #8 is a 1964 Turbine that is experiencing significant deterioration of the metal integrity of the turbine steam chest. Estimated remaining expected life, according to OEM (Siemens), is around 2022.
 - i. As such we currently have a proposal from the OEM for upgrading both the High Pressure and Low Pressure Turbines, which will include a new inlet Steam Chest. However the Generator will not be replaced or upgraded in this proposal.
 - ii. In parallel we have released and Request for Information (RFI) to several turbine manufacturers on April 24, 2018 for them to provide proposals to repower this unit with new turbines and new generator within the existing foundation. We have had numerous inquiries by vendors and as such extended deadline for proposals until late June.
 - iii. Due to overall budget constraints no capital dollars will be utilized in FY2019 for this project.
5. DHR
 - a. Will be coordinating the final steps of tuning to ensure the plant can be run in Automatic Governor Control (AGC) down to 30 MW. Currently we can only have unit in AGC at ≥ 60 MW.

ENVIRONMENTAL PERMITTING

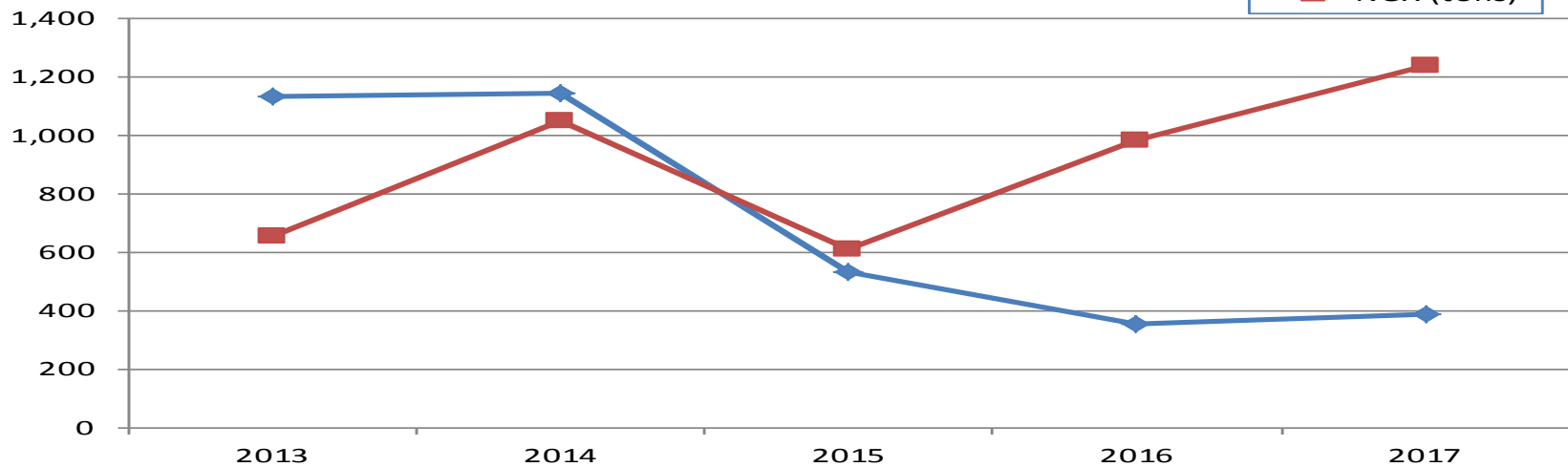
Emissions Data

Yearly Emissions

	SO ₂ (tons)	NO _x (tons)	Mercury (lbs)	PM (tons)	CO ₂ (tons)
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
2017	389	1,239	2.40	52	1,037,711

2017 Mercury values are for Unit 2 only.

SO₂ and NO_x (tons)

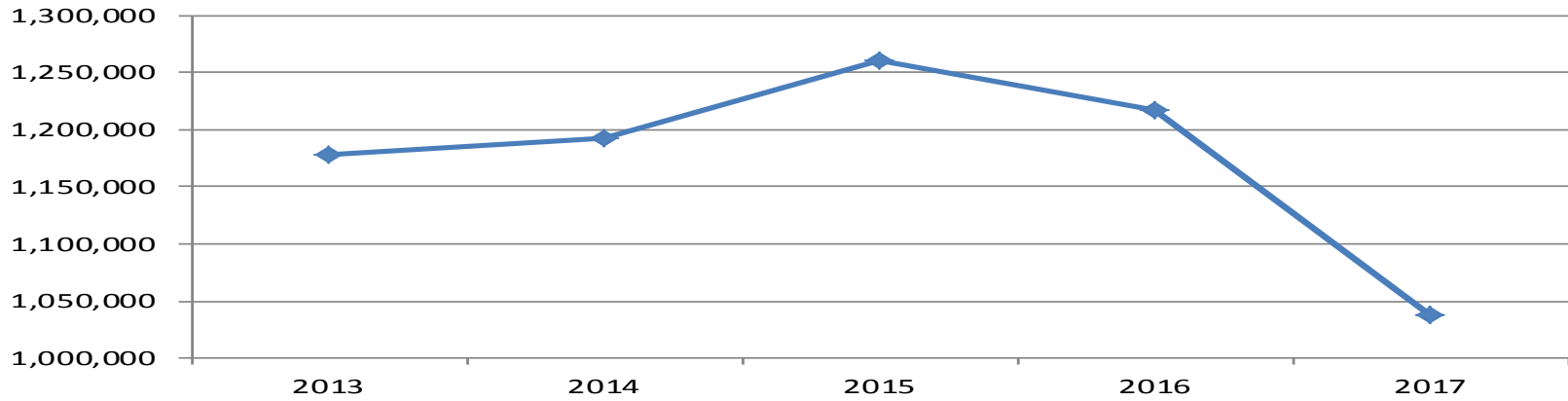


SO₂ was lower in 2015, 2016, and 2017 due to higher removal rate settings to assure compliance with the MATS Rule.

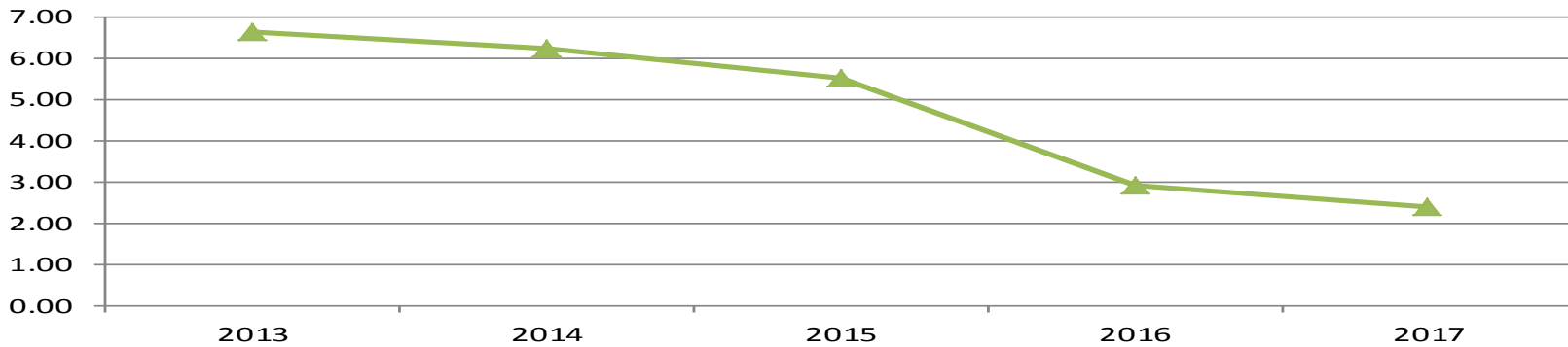
NO_x was higher in 2016 since it was more cost effective to use allowances than increase SCR removal rate. NO_x was higher in 2017 since the Cross State Rule was no longer in effect for Florida.

Yearly Emissions

CO₂ (tons)



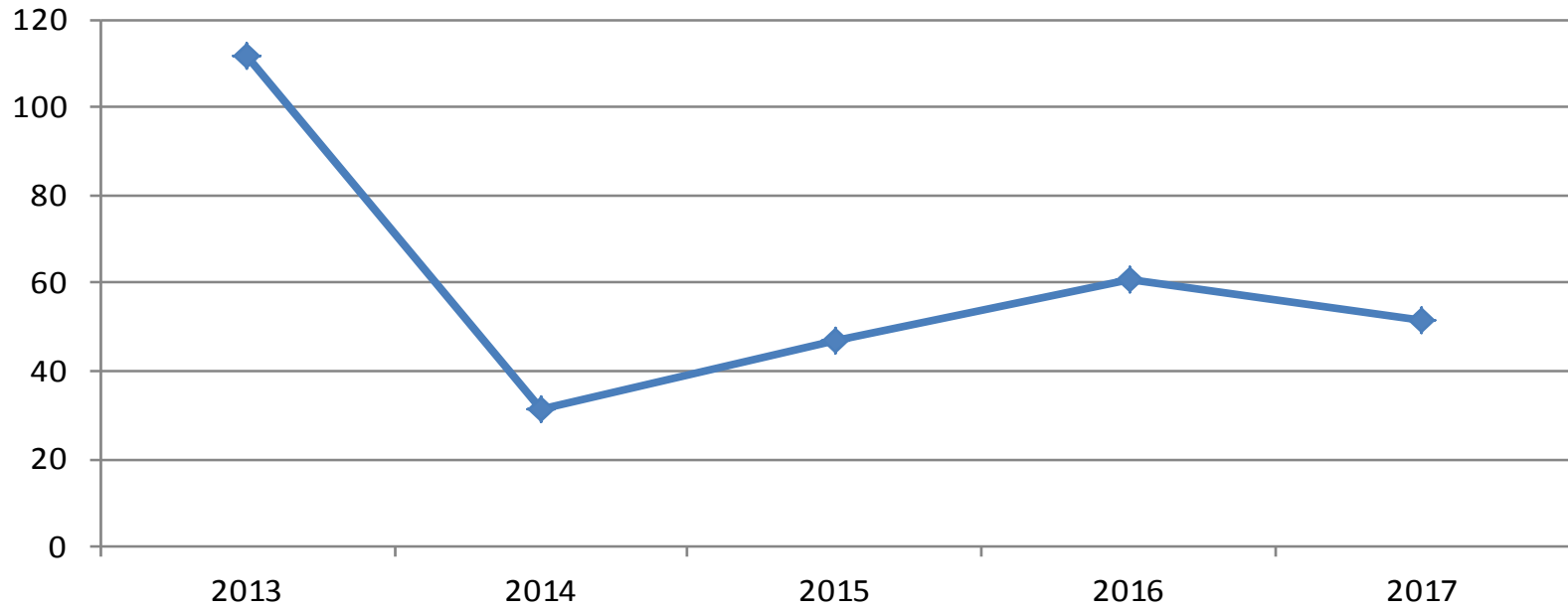
Mercury (lbs)



Mercury was lower in 2016 and 2017 due to higher removal rate settings to assure compliance with the MATS Rule.

Yearly Emissions

PM (tons)



Mass Emissions - Last Month for 5 Years

		SO₂ (tons)	NO_x (tons)	Mercury (lbs)	PM (tons)	CO₂ (tons)	HTIP (MMBtu)	GEN (MW-hours)
May. 2014		167.2	131.6			122,625	1,218,697	122,996
May. 2015		71.3	62.5			124,654	1,413,642	154,623
May. 2016		46.2	74.9	0.2	2.5	106,898	1,186,075	116,235
May. 2017		45.4	143.2	0.4	7.9	112,059	1,417,468	146,018
May. 2018		30.0	106.3	0.4	4.9	89,675	1,119,548	121,730
		SO₂ (tons)	NO_x (tons)	Mercury (lbs)	PM (tons)	CO₂ (tons)	HTIP (MMBtu)	GEN (MW-hours)
May. 2014	DH1	0.0	3.3			2,776.2	46,729.0	4,211.0
	DH2	167.2	128.2			119,304.3	1,162,805.0	118,094.0
	DHCT3	0.0	0.1			544.5	9,163.0	691.0
	JRKCC1	0.0	0.0			0.0	0.0	0.0
	TOTAL	167.2	131.6	0.000	0.00	122,625.0	1,218,697.0	122,996.0
		SO₂ (tons)	NO_x (tons)	Mercury (lbs)	PM (tons)	CO₂ (tons)	HTIP (MMBtu)	GEN (MW-hours)
May. 2015	DH1	0.0	0.0			0.0	0.0	0.0
	DH2	71.2	54.3			96,633.4	942,140.0	100,148.0
	DHCT3	0.0	0.2			620.4	10,438.0	784.0
	JRKCC1	0.1	8.0			27,400.1	461,064.0	53,691.0
	TOTAL	71.3	62.5	0.000	0.00	124,653.9	1,413,642.0	154,623.0
		SO₂ (tons)	NO_x (tons)	Mercury (lbs)	PM (tons)	CO₂ (tons)	HTIP (MMBtu)	GEN (MW-hours)
May. 2016	DH1	0.0	24.4			19,921.7	335,223.0	29,796.0
	DH2	46.2	50.4	0.17	2.52	86,532.0	843,386.0	85,857.0
	DHCT3	0.0	0.1			443.8	7,466.0	582.0
	JRKCC1	0.0	0.0			0.0	0.0	0.0
	TOTAL	46.2	74.9	0.170	2.52	106,897.5	1,186,075.0	116,235.0
		SO₂ (tons)	NO_x (tons)	Mercury (lbs)	PM (tons)	CO₂ (tons)	HTIP (MMBtu)	GEN (MW-hours)
May. 2017	DH1	0.1	17.7			15,506.5	260,937.0	20,605.0
	DH2	45.2	118.6	0.415	7.915	66,540.9	651,537.0	70,834.0
	DHCT3	0.0	0.3			1,355.4	22,808.0	1,595.0
	JRKCC1	0.1	6.6			28,656.4	482,186.0	52,984.0
	TOTAL	45.4	143.2	0.415	7.91	112,059.2	1,417,468.0	146,018.0
		SO₂ (tons)	NO_x (tons)	Mercury (lbs)	PM (tons)	CO₂ (tons)	HTIP (MMBtu)	GEN (MW-hours)
May. 2018	DH1	0.0	2.9			1,878.1	31,609.0	2,420.0
	DH2	29.8	96.4	0.369	4.863	55,211.2	539,621.0	56,453.0
	DHCT3	0.0	0.0			0.0	0.0	0.0
	JRKCC1	0.2	7.0			32,585.3	548,318.0	62,857.0
	TOTAL	30.0	106.3	0.369	4.9	89,674.6	1,119,548.0	121,730.0

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)
May. 2014	DH1	0.00000	1.56732			0.65927	46,729.0	4,211.0
	DH2	2.83164	2.17115			1.01025	1,162,805.0	118,094.0
	DHCT3	0.00000	0.28944			0.78799	9,163.0	691.0
	JRKCC1	0.00000	0.00000			0.00000	0.0	0.0
		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)
May. 2015	DH1	0.00000	0.00000			0.00000	0.0	0.0
	DH2	1.42190	1.08440			0.96491	942,140.0	100,148.0
	DHCT3	0.00000	0.51020			0.79133	10,438.0	784.0
	JRKCC1	0.00373	0.29800			0.51033	461,064.0	53,691.0
		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)
May. 2016	DH1	0.00000	1.63780			0.66860	335,223.0	29,796.0
	DH2	1.07621	1.17405			1.00786	843,386.0	85,857.0
	DHCT3	0.00000	0.34364			0.76254	7,466.0	582.0
	JRKCC1	0.00000	0.00000			0.00000	0.0	0.0
		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)
May. 2017	DH1	0.00971	1.71803			0.75256	260,937.0	20,605.0
	DH2	1.27622	3.34867	0.000006	0.223	0.93939	651,537.0	70,834.0
	DHCT3	0.00000	0.37618			0.84978	22,808.0	1,595.0
	JRKCC1	0.00377	0.24913			0.54085	482,186.0	52,984.0
		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)
May. 2018	DH1	0.00000	2.39669			0.77607	31,609.0	2,420.0
	DH2	1.05575	3.41523	0.000007	0.172	0.97800	539,621.0	56,453.0
	DHCT3	0.00000	0.00000			0.00000	0.0	0.0
	JRKCC1	0.00636	0.22273			0.51840	548,318.0	62,857.0

2017 Emissions

	SO₂ (tons)	NO_x (tons)	Mercury (lbs)	PM (tons)	CO₂ (tons)	NO_x Rate (lb/mmBtu)	HTIP (mmBtu)	MW-hours
DH1	8.0	183.2	NA	10.0	167,672.3	0.1300	2,817,838.0	241,121.0
DH2	379.0	992.3	2.400	26.2	591,388.7	0.3440	5,769,372.0	597,974.0
DHCT3	0.0	2.2	0.000	0.3	6,354.0	0.0420	106,907.0	7,787.0
JRKCC1	1.5	61.0	NA	15.0	268,577.1	0.0270	4,519,338.0	558,627.0
TOTAL	388.5	1,238.7	2.400	51.5	1,033,992.1	0.543	13,213,455.0	1,405,509.0

2017 Emissions per Net MW-hr

	SO₂ lbs/MW-hr	NO_x lbs/MW-hr	Mercury (lbs)	PM (lbs)	CO₂ tons per MW-hr
DH1	0.06636	1.51924	NA	0.08295	0.69539
DH2	1.26761	3.31887	0.0000401	0.08746	0.98899
DHCT3	0.00000	0.57660	0.00000000	0.07705	0.81598
JRKCC1	0.00537	0.21843	NA	0.05370	0.481

	2018 (Jan.-May.)								
	SO ₂ (tons)	NO _x (tons)	Mercury (lbs)	PM (tons)	CO ₂ (tons)	SO ₂ Rate (lb/MMBtu)	NO _x Rate (lb/MMBtu)	HTIP (MMBtu)	GEN (MW-hours)
DH1	14.0	64.6735			53,150.3			889,551.0	75,417.0
DH2	214.4	539.2	1.8	20.4	310,048.8			3,026,155.0	332,612.0
DHCT3	0.0	0.5			682.9			11,488.0	807.0
JRKCC1	0.3	16.4			68,681.0			1,155,711.0	133,463.0
TOTAL	228.7	556.1	1.776	20.4	432,563.0			5,082,905.0	542,299.0

	2018 (Jan.-May.) Emissions per MW-hr								
	SO ₂ lbs/MW-hr	NO _x lbs/MW-hr	Mercury (lbs)	PM (lbs)	CO ₂ tons/MW-hr	SO ₂ Rate (lb/MMBtu)	NO _x Rate (lb/MMBtu)	HTIP (MMBtu)	GEN (MW-hours)
DH1	0.37127	#VALUE!			0.70475			889,551.0	75,417.0
DH2	1.28919	3.24222	0.000005	0.12241	0.93216			3,026,155.0	332,612.0
DHCT3	0.00000	1.23916			0.84622			11,488.0	807.0
JRKCC1	0.00450	0.24576			0.51461			1,155,711.0	133,463.0

Deerhaven Renewable 2017 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		2017	1-4	ARP	10.7	0.0632	180.8	600690	5759329
Deerhaven Renewable 2018 Emissions Quarter 1-4, January-December 2018												
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		2018	1	ARP	4.34	0.0829	96.3	252438	2415604
FL	Gainesville Renewable Energy Center	57241	BFB1		2018	2	ARP					
FL	Gainesville Renewable Energy Center	57241	BFB1		2018	3	ARP					
FL	Gainesville Renewable Energy Center	57241	BFB1		2018	4	ARP					

LEGAL FEES

YEAR-to-DATE

VENDOR	10/01-10/31 2017	11/01-11/30 2017	12/01-12/31/2017	1/1/18-1/31/18	2/1/18-2/28/18	3/1/18-3/31/18	4/1/18-4/30/18	5/1/18-5/31/18	Total Legal Costs
1000963 HOPPING GREEN & SAMS	\$ 4,921.50	\$ 5,975.75	\$ 11,806.00	\$ 4,419.50	\$ 3,386.50	\$ 3,357.00	\$ -	\$ 5,158.38	\$ 39,024.63
1001111 ORRICK HERRINGTON	\$ 8,129.89		\$ 5,745.96	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,875.85
1001204 HOLLAND & KNIGHT	\$ -	\$ 520,000.00	\$ 43,618.72	\$ -	\$ -	\$ 3,352.53	\$ -	\$ 17,397.01	\$ 584,368.26
1005092 BRYANT MILLER OLIVE	\$ -	\$ 212,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 212,500.00
1001936 BROAD & CASSEL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1001350 WINSTON & STRAWN	\$ 138,815.83	\$ 25,297.88	\$ 1,159,251.76	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,323,365.47
1000983 BALLER HERBST LAW GROUP	\$ -	\$ -	\$ 2,493.75	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,493.75
1001076 JOHN & HENGERER	\$ 910.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 227.50	\$ 1,137.50
1000955 AKERMAN SENTERFITT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,292.39	\$ 1,292.39
1001191 CARLTON FIELDS, PA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1005257 CHAPMAN AND CUTLER LLP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1005342 GRAYROBINSON PA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1005256 KUTAK ROCK	\$ -	\$ 70,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000.00
1005258 MCDERMOTT WILL & EMERY	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1001384 Thompson Hine	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1005641 McGuirewoods LLP	\$ -	\$ -	\$ -	\$ 20,347.98	\$ -	\$ -	\$ -	\$ -	\$ 20,347.98
1005293 Thompson Hine LLP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,725.00	\$ -	\$ -	\$ 2,725.00
	\$ 152,777.22	\$ 833,773.63	\$ 1,222,916.19	\$ 24,767.48	\$ 3,386.50	\$ 9,434.53	\$ -	\$ 24,075.28	\$ 2,271,130.83

WATER/WASTEWATER

Production

Maintenance

Projects

Water/Wastewater May Dashboard

Production						
Murphree Water Treatment Plant						
		May 2018	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	22.8	22.6	30	75%	█
	Peak Daily Flow	27.7	26.8	54	-	█
Main Street Water Reclamation Facility						
		May 2018	FY to Date (mgd)	Permitted Capacity (mgd)		Status
	Average Daily Flow	6.2	6.2	7.5		█
Kanapaha Water Reclamation Facility						
		May 2018	FY to Date (mgd)	Permitted Capacity (mgd)		Status
	Average Daily Flow	12.6	12.3	14.9		█
Water Reclamation Facilities (Combined)						
		May 2018	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	18.8	18.5	22.4	82%	█
Maintenance						
Wastewater Collections						
		May 2018 (Miles)	FYTD	Monthly Goal (miles)		
	Miles of gravity mains cleaned	6.6	52.6	7.5		█
	Miles of gravity mains TV inspected	5.4	40.9	5.0		█
Water Distribution & Wastewater Collections						
		May 2018	FYTD			
	Work orders, service orders completed	956	8,919			█
SSO Monthly Summary						
		May	YTD	GOAL		
	Sanitary Sewer Overflows	1	15	<16		█

Water/Wastewater By the Numbers

Water/Wastewater Systems serves 189,000 people by operating and maintaining the following:

- 1 water treatment plant serving the community @ a daily rated peak of 54mgd
- 16 water supply wells
- 19.5 million gallons of water storage capacity, comprised of pumped ground storage and elevated tanks
- 1,170 miles of water distribution mains
- 24,260 water valves
- 5,800 fire hydrants

- 2 water reclamation facilities (wastewater treatment plants) w/ a combined treatment capacity of 22.4 mgd AADF
- 813 miles of wastewater collection mains; 660 miles of GM and 153 miles of FM
- 170 lift stations pumping wastewater
- 28 reclaimed water mains
- 15,447 manholes