

# STATE OF THE UTILITY

Item #180317

# OPERATIONS SUMMARY

CORPORATE SAFETY

ENVIRONMENTAL

REGULATORY

PERSONNEL

August 2018

**Safety**

Employees

	Current Month		
	First Aid	Recordable	DART
Administration	1	0	0
WWW Systems	2	3	2
Energy Supply	0	0	0
Energy Delivery - Electric/Gas	0	0	0
GRUCom	0	0	0
<b>Totals</b>		3	

	Year to Date		
	First Aid	Recordable	DART
	2	0	0
	4	4	2
	0	4	1
	5	3	2
	0	0	0
		11	

Vehicles

	Current Month	
	Miles Driven	Recordable
Administration		0
WWW Systems		1
Energy Supply		0
Energy Delivery - Electric/Gas		0
GRUCom		0
<b>Totals</b>		1

	Year to Date	
	Miles Driven	Recordable
	141,109	1
	793,717	8
	66,969	2
	1,091,984	6
	89,382	0
	2,183,161	17

August Mileage not yet reported by Fleet

Mileage through July - does not include August

**Environmental**

Current Month

Calendar Year to Date

Notices of Violation	0
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0
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Emissions

DH1, DH2, DHCT3, JRKCC1

CO <sub>2</sub> (tons)	128,850
NO <sub>x</sub> (tons)	153
SO <sub>2</sub> (tons)	55

805,571
1,084
401.1

DH Unit 2 (only)

PM <sub>FILT</sub> (tons)	6
Hg (lbs)	0.12

38
2.74

**Regulatory**

NERC

Notice of Violations	0
Self Reports/Potential Violations	0

2
2

## Personnel

	<b>Authorized Positions</b>	<b>Filled Positions</b>	<b>Current Vacancies</b>
Administration	16.00	14.00	2.00
Business Services and GRUCom	3.00	3.00	0.00
Chief Operating Officer	18.00	16.00	2.00
Customer Support Services	117.25	110.25	7.00
Energy Delivery	263.00	242.00	21.00
Energy Supply	145.00	140.00	5.00
Energy Supply - District Energy	10.00	10.00	0.00
Finance	43.00	26.00	17.00
GRUCom	35.00	27.00	8.00
Information Technology	68.00	58.00	10.00
Water Wastewater	168.00	161.00	7.00
<b>Grand Total</b>	<b>886.25</b>	<b>807.25</b>	<b>79.00</b>

## Utility Advisory Board Monthly Report – FY 2018 Safety Data Summary

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

#### OCTOBER

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.

#### NOVEMBER

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.

#### DECEMBER

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)

#### JANUARY

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)

#### FEBRUARY

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.

#### JULY

07/16/2018

Employee was making repairs to the leaking air/water separator for the center feed on #4 coal tunnel when he strained his back while transitioning off of the ladder. There is a low head clearance at this point. (DART – restricted duty)

07/23/2018

While working on a water service, the employee was turning a wrench and his left elbow struck against a metal box. (DART – restricted duty)

**AUGUST**

08/17/2018

Employee stepped on a storm water manhole lid that was dislodged and covered with debris. The lid flipped and he fell in. He caught himself part-way in. (DART – restricted duty)

08/20/2018

Employee was holding a dump truck tailgate open so it could be scraped clean. The tailgate swung closed, striking his finger against the truck bed causing a fracture.

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## Utility Advisory Board Monthly Report – FY 2018 Vehicle Collision Summary

**Vehicle Collisions** (P) indicates preventable by our employee

### OCTOBER

- 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)

### NOVEMBER

- 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)

### DECEMBER

- 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.

### JANUARY

- 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<sup>th</sup> street when the collision occurred. The damage was to the rear of our vehicle and caused injury to our driver.

FEBRUARY

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<sup>rd</sup> 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.

MARCH

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)

APRIL

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)

MAY

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. (P)

JUNE

6/15/2018

While backing away from the plant maintenance building, employee turned the vehicle and scrapped the passenger side door and step against a fire hydrant. (P)

6/29/2018

Employee drove near large concrete bollard, and turned to close to it, damaging the driver door and panel to the rear of the door. (P)

JULY

07/19/2018

Employee was responding to an overnight water leak. While backing a vacuum truck at 3:15 am at the work site, the employee backed into a parked SUV. (P)

**AUGUST**

08/1/2018

Employee was stopped in the traffic lane at a Public Works construction site. When the PW dump truck needed to pull out, the GRU employee backed up and backed into a car that had pulled up on the right-of-way behind him. (P)



# CUSTOMER SUPPORT SERVICES

Customer Operations

New Services

Revenue Assurance

## Customer Operations Metrics Summary August 2018

<b>Active Accounts</b>	Aug-18	YTD Gain/Loss	FY17
<i>Residential Contract Accounts</i>			
Total	90,876	774	90,102
Electric	84,305	611	83,694
Gas	33,396	273	33,123
Water	63,049	357	62,692
Wastewater	58,963	303	58,660
Telecomm	119	(18)	137

<b>Active Accounts</b>	Aug-18	YTD Gain/Loss	FY17
<i>Nonresidential Contract Accounts</i>			
Total	13,481	4	13,477
Electric	10,930	13	10,917
Gas	1,644	31	1,613
Water	5,850	(42)	5,892
Wastewater	4,634	(17)	4,651
Telecomm	364	11	353

<b>New Installations</b>	Aug-18	FY18 To Date	FY17
Electric	144	1404	1545
Gas	25	446	432
Water	38	516	525
Wastewater	47	519	530
Telecomm	22	108	223

<b>Residential Disconnects</b>	Aug-18	FY18 To Date	FY17
Volume	1,414	13,926	14,335
Average Balance	\$259.92	\$248.79	\$245.50

<b>Call Center Volume</b>	Aug-18	FY18 To Date	FY17
Residential ASA	0:12:46	0:11:03	0:07:23
Business ASA	0:04:40	0:04:22	0:03:43
Payment Arrangement ASA	0:13:45	0:08:51	0:04:58
CSR Calls	13,546	131,156	159,591
CSR Callbacks	3,378	23,903	19,673
IVR Self Service	22,743	246,239	283,147
Total	36,289	377,395	421,863
IVR/Total	63%	65%	67%

<b>Revenue Assurance</b>	Aug-18	FY18 To Date	FY17
Referred to Collections	\$124,687.30	\$1,571,614.78	\$2,214,584.97
Recovered	\$67,077.94	\$730,002.11	\$664,519.40

<b>Service Orders</b>	Aug-18	FY18 To Date	FY17
Move Ins	23,056	109,011	117,647
Move Outs	20,464	109,009	117,865

<b>Bills Generated</b>	Aug-18	FY18 To Date	FY17
Paper Bills	110,535	1,173,200	1,245,142
eBills	16,942	185,117	191,498
Total	127,477	1,358,317	1,436,640
eBill/Total	13%	14%	13%

<b>Average Res Bill Amounts</b>	Aug-18	FY18 To Date	FY17
Electric (kWh)	938	786	804
Electric (\$)	\$132.88	\$114.75	\$117.98
Gas (Therms)	9	22	16
Gas (\$)	\$21.11	\$35.19	\$28.81
Water (kGals)	4	5	5
Water (\$)	\$28.22	\$30.30	\$31.74
Wastewater (kGals)	4	5	5
Wastewater(\$)	\$33.89	\$36.83	\$38.08

<b>Payment Arrangements</b>	Aug-18	FY18 To Date	FY17
Total	1,067	76,671	95,142

# ENERGY DELIVERY

ELECTRIC T&D  
SYSTEM RELIABILITY  
GAS

**ENERGY DELIVERY - UAB REPORT - JULY 2018**

**Electric System Consumption**

	2018		2017	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Feed-In-Tariff - Residential	44 KWH	99	64 KWH	102
Feed-In-Tariff - General Service	2,296 KWH	155	2,698 KWH	157
Electric - GS - Demand - Regular	54,774,064 KWH	1,200	53,527,215 KWH	1,209
Electric - General Service Demand PV	840,829 KWH	17	795,292 KWH	17
GREC Startup Supplemental and Standby			446,461	1
Electric - GS - Kanapaha w Curtail Cr	1,032,000 KWH	1	982,800 KWH	1
Electric - GS - Demand - Large Power	9,124,840 KWH	8	7,546,040 KWH	8
Electric - GS - Murphree Curtail Credit	1,416,000 KWH	1	1,413,600 KWH	1
Electric - GS Large Demand PV	4,718,400 KWH	2	7,848,000 KWH	3
Electric - GS - Non Demand	15,801,351 KWH	9,250	16,591,121 KWH	9,645
Electric - General Service PV	131,127 KWH	51	146,430 KWH	59
Electric - Lighting - Rental	997,136 KWH	4,170 <i>n</i>	1,011,896 KWH	4,344 <i>n</i>
Electric - Lighting - Street - City	772,952 KWH	14 <i>n</i>	792,655 KWH	14 <i>n</i>
Electric - Lighting - Street - County	289,267 KWH	2 <i>n</i>	299,590 KWH	2 <i>n</i>
Electric - Lighting - Traffic	4,542 KWH	2 <i>n</i>	4,542 KWH	2 <i>n</i>
Electric - Residential - Non TOU	78,891,684 KWH	86,519	79,195,106 KWH	90,189
Electric - Residential PV	275,536 KWH	304	204,146 KWH	204
Total Retail Electric ( <i>n = not included in total</i> )	169,072,068 KWH	97,607	168,698,973 KWH	101,596
City of Alachua	13,455,000 KWH	26,354 KW	14,054,000 KWH	27,900 KW
City of Winter Park	7,440,000 KWH	10,000 KW	7,440,000 KWH	10,000 KW
Total (Native) Electric	189,967,068 KWH		190,192,973 KWH	

**Gas System Consumption**

	2018		2017	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Gas - GS - Regular Service (Firm)	524,968 THM	1,217	601,086 THM	1,372
Gas - GS - Regular Service (Small)	7,121 THM	270	8,501 THM	256
Gas - GS - Interruptible - Regular Serv	31,201 THM	1	40,376 THM	1
Gas - GS - Interruptible - Large Volume	391,333 THM	7	309,818 THM	6
Gas - Residential - Regular Service	280,977 THM	33,648	308,706 THM	33,668
Total Retail Gas	1,235,600 THM	35,143	1,268,487 THM	35,303
Gas - GS - UF Cogeneration Plant	2,857,165 THM	1	3,220,736 THM	1
Gas - Residential - LP - Basic Rate	1,949 GAL	200	2,221 GAL	195
GREC Gas (PGA only)			100 THM	1

\*Obtained from Monthly Billing Summary prepared by Todd Kamhoot.

**ENERGY DELIVERY - UAB REPORT - JULY 2018**

**Durations Reliability Report Between 8/01/2018 and 8/31/2018**

Excludes Extreme Weather and Generation/Transmission Disturbances

CUSTOMER DATA	RELIABILITY INDICIES		MONTHLY AVG GOAL
Monthly Average Customers Served(C)	97,674	Average Service Availability Index (ASAI)	99.9896%
Total Hours of Customer Demand	70,325,280	System Average Interruption Duration Index (SAIDI)	4.48 4.5 Mins
Total Number of Outages	87	Customer Average Interruption Duration Index (CAIDI)	63.03 55 Mins
Total Number of Customers Affected (CI)	6,940	System average Interruption Frequency Index (SAIFI)	0.07 0.08
Total Customer Minutes Interrupted (CMI)	437,449		
Total Customer "Out Minutes"	12,365	Average Length of a Service Interruption (L-Bar)	142.13 Mins

Outage Duration Times

Average Hours: 2  
Maximum Hours: 9  
Minimum Hours: 0

Cause of Outages

Cause	Overhead	Underground	Undetermined	Total
1. Weather	16	5	3	24
2. Vegetation	20	3	2	25
3. Animals	1	0	0	1
4. Foreign Interference	0	0	0	0
5. Human Cause	3	4	0	7
6. Undetermined	0	5	0	5
7. Equipment Failure	7	14	4	25
8. All Remaining Outages	0	0	0	0
Total	47	31	9	87

**Durations Reliability Report Between 10/01/2017 and 8/31/2018**

Excludes Extreme Weather and Generation/Transmission Disturbances

CUSTOMER DATA	RELIABILITY INDICIES		FISCAL YTD GOALS
Monthly Average Customers Served(C)	97,674	Average Service Availability Index (ASAI)	99.9895%
Total Hours of Customer Demand	782,954,784	System Average Interruption Duration Index (SAIDI)	50.67 54 Mins
Total Number of Outages	759	Customer Average Interruption Duration Index (CAIDI)	45.47 55 Mins
Total Number of Customers Affected (CI)	108,856	System average Interruption Frequency Index (SAIFI)	1.11 1.00
Total Customer Minutes Interrupted (CMI)	4,949,261		
Total Customer "Out Minutes"	110,886	Average Length of a Service Interruption (L-Bar)	146.09 Mins

Outage Duration Times

Average Hours: 2  
Maximum Hours: 17  
Minimum Hours: 0

Cause of Outages

Cause	Overhead	Underground	Undetermined	Total
1. Weather	76	18	15	109
2. Vegetation	195	13	44	252
3. Animals	55	10	7	72
4. Foreign Interference	0	0	0	0
5. Human Cause	19	25	10	54
6. Undetermined	27	13	4	44
7. Equipment Failure	59	121	47	227
8. All Remaining Outages	0	0	0	0
Total	431	200	127	758

## ENERGY DELIVERY - UAB REPORT - JULY 2018

### Energy Delivery - Major Projects

#### Major Electric Design Projects

##### West

- > Butler Town Center (Ongoing Retail Development)
- > Celebration Point (Ongoing Retail Development)
- > Alachua County SW 20th Avenue/Alachua County SW 8th Avenue (OH to UG conversion)

##### East

- > PW SW 6th Street (Removal and relocation of OH facilities)
- > SE 4th Street Road Project (OH to UG conversion)
- > CRA South Main Street (OH to UG conversion)

#### Major Gas Design Projects:

- > Main Installation - Wiltshire Subdivision
- > Main Installation - Shannon Woods Subdivision
- > Main Installation - Amariah Subdivision – (4100')
- > Main Installation – Celebration Point / The Commons
- > Annual Leak Survey & Valve Maintenance

New Gas Services installed in August 2018: 27 New Customers

# ENERGY SUPPLY

SYSTEM STATISTICS

ENERGY DISTRIBUTION

FUEL

August 2018

**Energy Supply - CAPACITY**

**Energy Supply - Performance Parameter**

Source

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

	Month	YTD	Budget YTD	Delta Budget
	61,264	645,872	683,585	(37,713)
	17,515	168,449	38,209	130,240
	78,352	381,081	614,170	(233,089)
	588	3,187	478	2,709
	5,000	198,999	683,585	(484,586)
	56,247	467,144	228,286	238,858

**Fuels Consumed**

	Month	FYTD	Budget YTD	Delta Budget
Coal - Tons	22,205	241,292	347,253	(105,960)
Gas - MCF	1,120,350	7,589,328	6,333,309	1,256,019
Fuel oil - Gals	-	200,376	-	200,376
Biomass - Tons	56,247	585,401	238,920	346,482

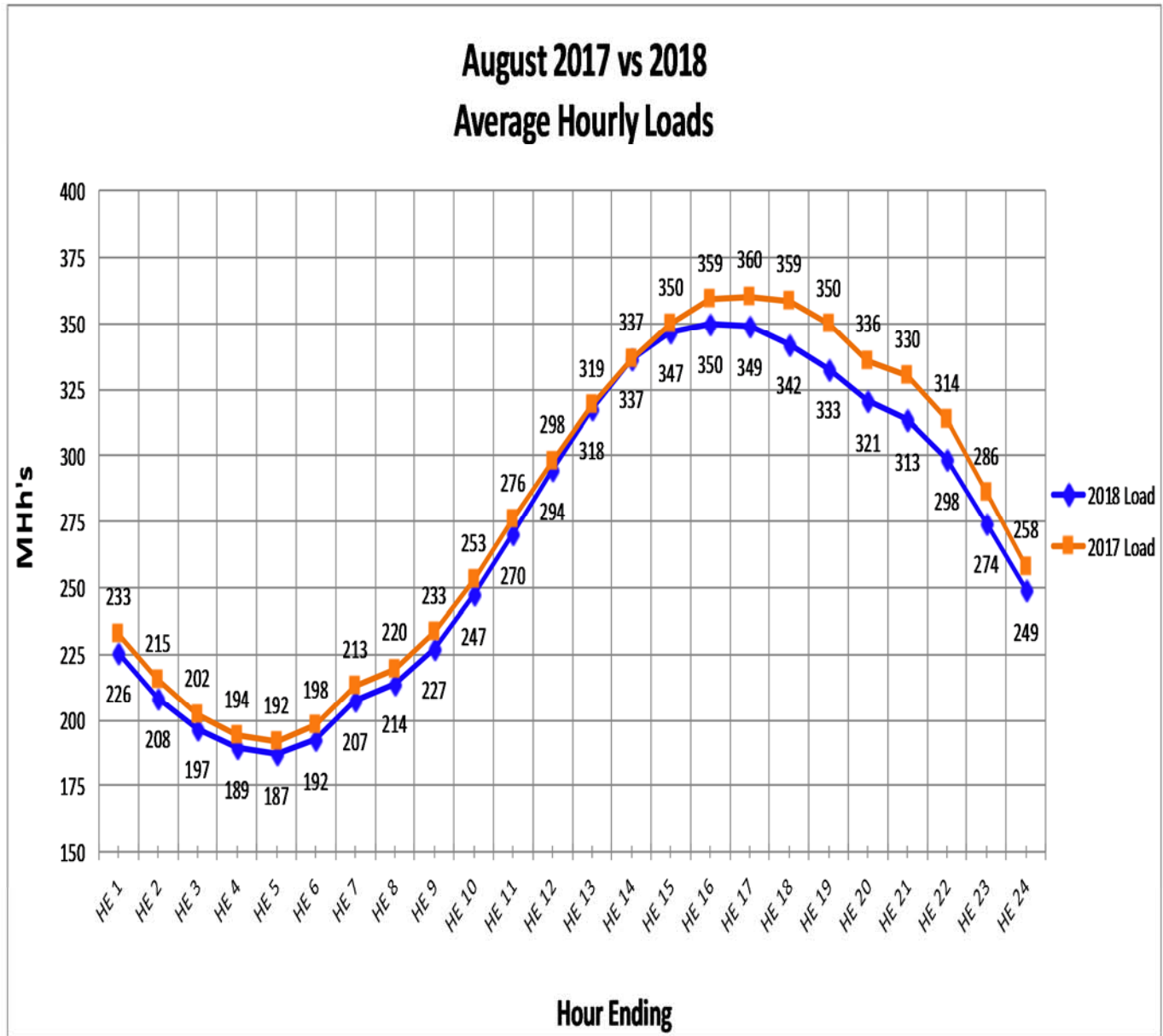
**Availability/Capacity**

	Availability			Capacity		
	Month	FY 2018 YTD	FY 2017 YTD	Month	FY 2018 YTD	FY 2017 YTD
DH-2	99.9%	89.2%	39.3%	39.7%	37.91%	17.35%
DH-1	100.0%	96.1%	93.4%	32.6%	29.12%	35.17%
Kelly CC	100.0%	74.4%	95.2%	99.7%	55.22%	78.58%
DH CT-1	87.0%	98.8%	95.5%	0.0%	0.32%	0.86%
DH CT-2	73.5%	97.1%	96.9%	0.0%	0.61%	1.01%
DH CT-3	47.2%	49.2%	96.1%	1.1%	0.47%	1.29%
DHR*	100.0%	86.3%	N/A	84.7%	65.37%	N/A

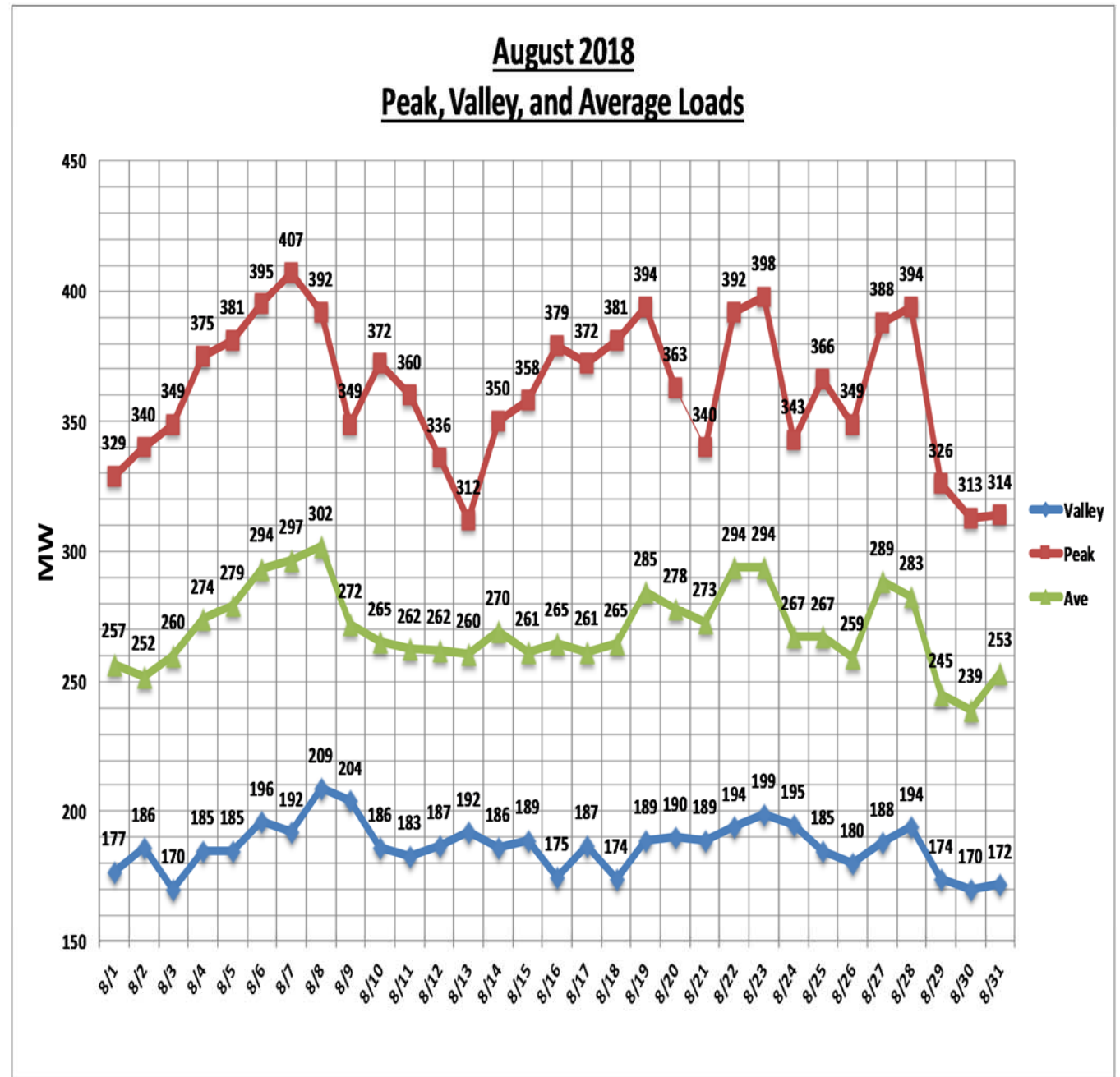
DHR tracking is from Nov. 7th, 2017 forward



August Average Hourly Loads		
Hour Ending	2017 Load	2018 Load
HE 1	233	226
HE 2	215	208
HE 3	202	197
HE 4	194	189
HE 5	192	187
HE 6	198	192
HE 7	213	207
HE 8	220	214
HE 9	233	227
HE 10	253	247
HE 11	276	270
HE 12	298	294
HE 13	319	318
HE 14	337	337
HE 15	350	347
HE 16	359	350
HE 17	360	349
HE 18	359	342
HE 19	350	333
HE 20	336	321
HE 21	330	313
HE 22	314	298
HE 23	286	274
HE 24	258	249



Date	Valley	Peak	Ave
8/1/2018	177	329	257
8/2/2018	186	340	252
8/3/2018	170	349	260
8/4/2018	185	375	274
8/5/2018	185	381	279
8/6/2018	196	395	294
8/7/2018	192	407	297
8/8/2018	209	392	302
8/9/2018	204	349	272
8/10/2018	186	372	265
8/11/2018	183	360	262
8/12/2018	187	336	260
8/13/2018	192	350	261
8/14/2018	186	358	265
8/15/2018	189	379	265
8/16/2018	175	372	261
8/17/2018	187	381	265
8/18/2018	174	394	278
8/19/2018	189	363	273
8/20/2018	190	340	294
8/21/2018	189	392	294
8/22/2018	194	398	267
8/23/2018	199	366	267
8/24/2018	195	349	259
8/25/2018	185	388	289
8/26/2018	180	394	283
8/27/2018	188	326	245
8/28/2018	194	313	239
8/29/2018	174	314	253
8/30/2018	170		
8/31/2018	172		



## Major Energy Supply Projects/Milestones

August 2018

1. Deerhaven Combustion Turbine #2 (CT2) Borescope inspection complete 8/30/2018, and refurbished liquid fuel nozzles are being installed week of 9/4/2018. Testing for dual fuel (Natural Gas and #2 Diesel) will begin 9/6/2018.
2. Deerhaven Combustion Turbine #3 (CT3) was fully restored to service on 8/17/2018 following the gas turbine Major Inspection(MI) that started in February. The scope of the work during MI additionally consisted of complete rewind of the generator, re-wedge of generator stator, replacement of compressor stationary blades (that have been previously identified as a systemic class problem for clashing), and replacement of turbine casing (that had previously been identified fatigue defects beyond in place repair methods). This CT is currently limited to natural gas only for now, and we will be coordinating liquid fuel (#2 Diesel fuel) testing in late September.
3. South Energy Center Wartsila Engine successful completed 8,000 hour inspection the week of 8/13/2018.
4. Deerhaven Unit #2 planned outage is set to start 10/6/2018, and run through 11/19/2018. This is the normal 18 month periodicity outage for Unit #2.

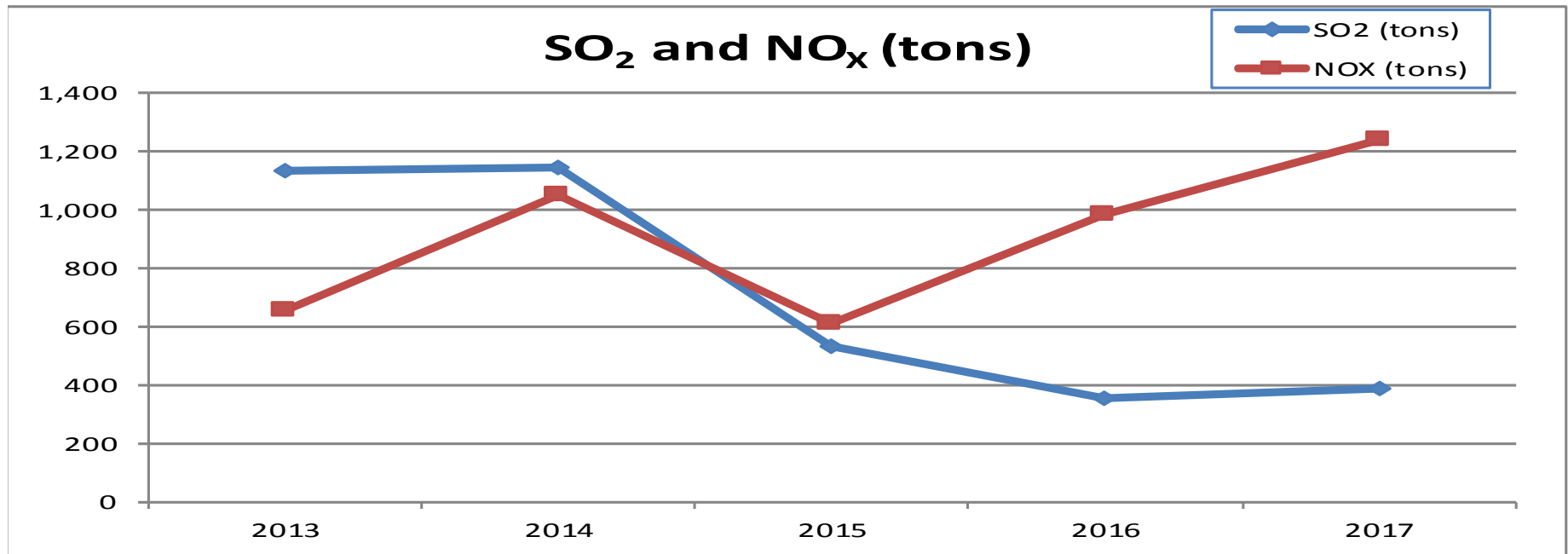
# ENVIRONMENTAL PERMITTING

## Emissions Data

## Yearly Emissions

	SO <sub>2</sub> (tons)	NO <sub>x</sub> (tons)	Mercury (lbs)	PM (tons)	CO <sub>2</sub> (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
2018 YTD	409	1,237	3	38	1,249,999

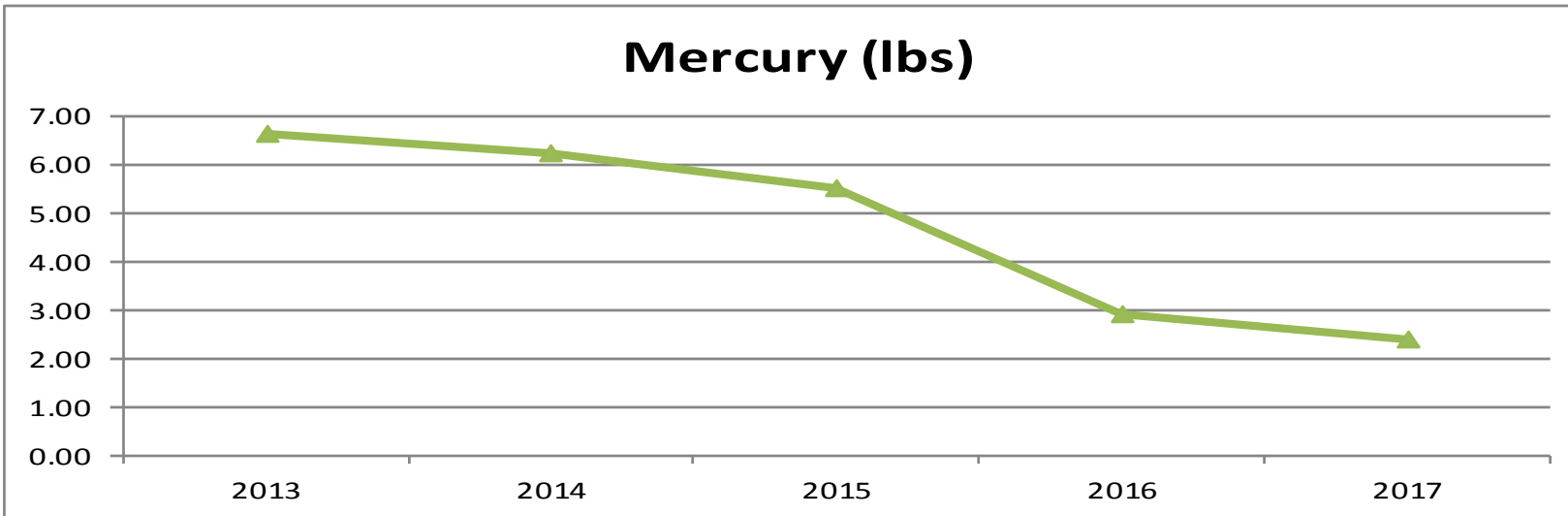
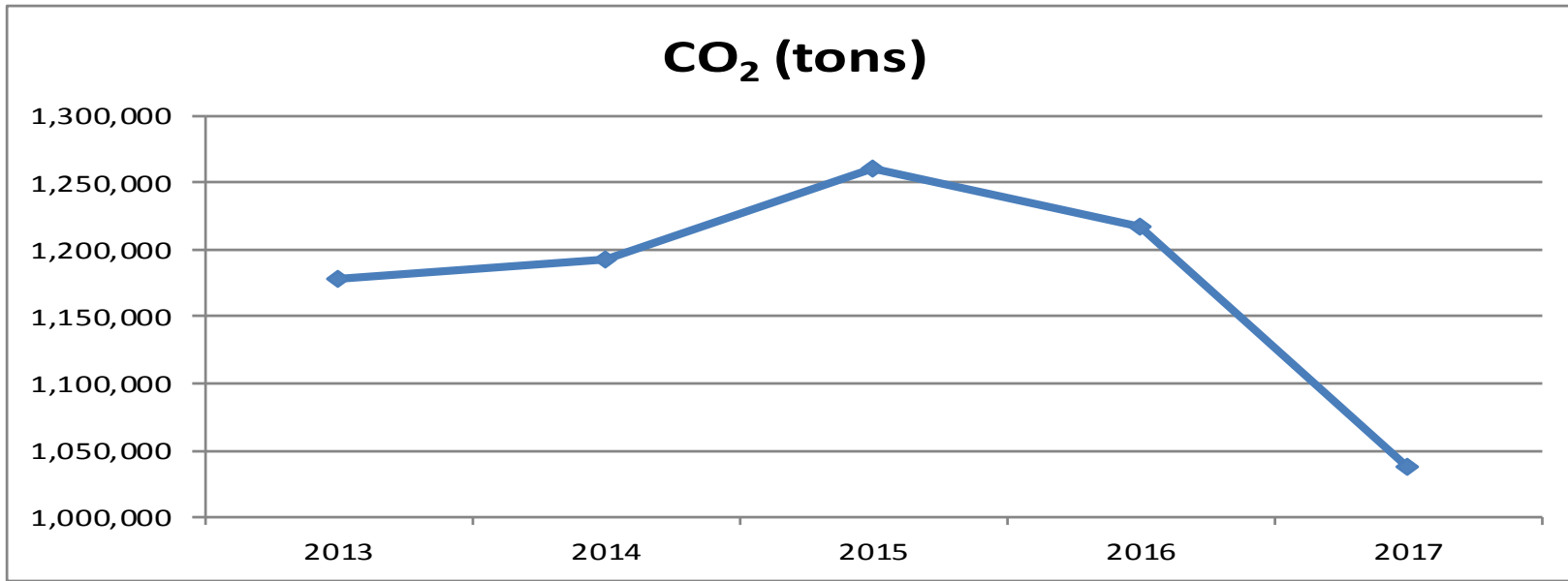
**2017 Mercury values are for Unit 2 only. DHR data Jan-Jun.**



**SO<sub>2</sub> was lower in 2015, 2016, and 2017 due to higher removal rate settings to assure compliance with the MATS Rule.**

**NO<sub>x</sub> was higher in 2016 since it was more cost effective to use allowances than increase SCR removal rate. NO<sub>x</sub> was higher in 2017 since the Cross State Rule was no longer in effect for Florida.**

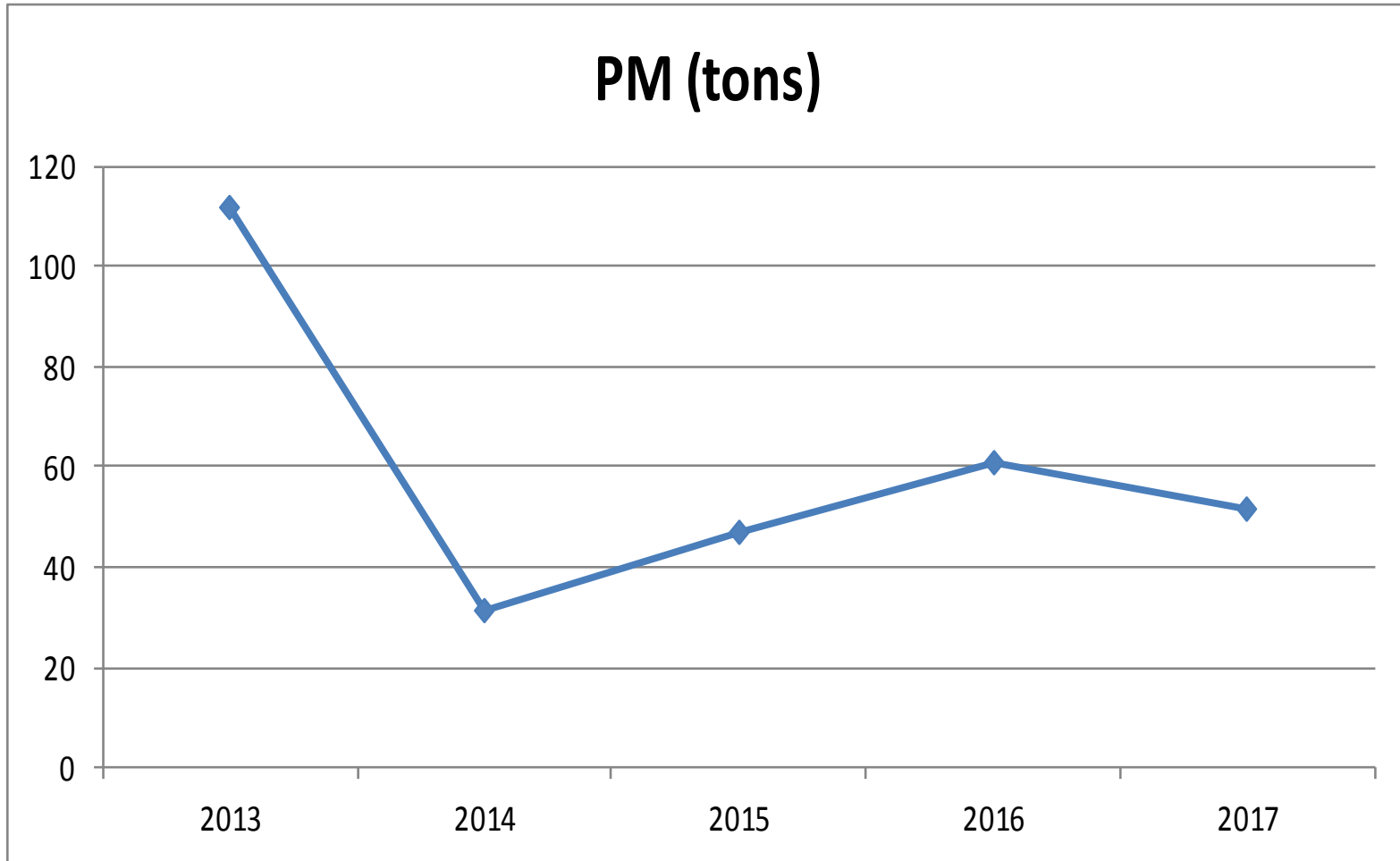
## Yearly Emissions



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

# Yearly Emissions

## PM (tons)



EP3

2018 (Jan.-Aug.)

	SO <sub>2</sub> (tons)	NO <sub>x</sub> (tons)	Mercury (lbs)	PM (tons)	CO <sub>2</sub> (tons)	SO <sub>2</sub> Rate (lb/MMBtu)	NO <sub>x</sub> Rate (lb/MMBtu)	HTIP (MMBtu)	GEN (MW-hours)
DH1	16.4	115.0			92,854.0			1,556,476.0	130,013.0
DH2	383.8	927.6	2.7	38.3	526,917.8			5,138,736.0	555,013.0
DHCT3	0.0	0.8			1,263.3			21,255.0	1,435.0
JRKCC1	0.9	40.2			184,535.8			3,105,181.0	365,287.0
DHR	7.9	153.8			444,428.0			4,357,492.0	N/A
<b>TOTAL</b>	<b>409.0</b>	<b>1,237.4</b>	<b>2.738</b>	<b>38.3</b>	<b>1,249,998.9</b>			<b>14,179,140.0</b>	<b>1,051,748.0</b>

Note: DHR data January thru June.

2018 (Jan-Aug.) Emissions per MW-hr

	SO <sub>2</sub> lbs/MW-hr	NO <sub>x</sub> lbs/MW-hr	Mercury (lbs)	PM (lbs)	CO <sub>2</sub> tons/MW-hr	SO <sub>2</sub> Rate (lb/MMBtu)	NO <sub>x</sub> Rate (lb/MMBtu)	HTIP (MMBtu)	GEN (MW-hours)
DH1	0.25228	1.76905			0.71419			1,556,476.0	130,013.0
DH2	1.38303	3.34262	0.000005	0.13813	0.94938			5,138,736.0	555,013.0
DHCT3	0.00000	1.11498			0.88035			21,255.0	1,435.0
JRKCC1	0.00493	0.22010			0.50518			3,105,181.0	365,287.0
DHR	N/A	N/A			N/A			4,357,492.0	N/A

Note: DHR data January thru June.



# WATER/WASTEWATER

Production

Maintenance

Projects

# Water/Wastewater August Dashboard

## Production

### Murphree Water Treatment Plant

		Aug 2018	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	23.0	22.6	30	75%	
	Peak Daily Flow	25.6	27.7	54	-	

### Main Street Water Reclamation Facility

		Aug 2018	FY to Date (mgd)	Permitted Capacity (mgd)		Status
	Average Daily Flow	7.5	6.6	7.5		

### Kanapaha Water Reclamation Facility

		Aug 2018	FY to Date (mgd)	Permitted Capacity (mgd)		Status
	Average Daily Flow	14.2	12.9	14.9		

### Water Reclamation Facilities (Combined)

		Aug 2018	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	21.7	19.5	22.4	87%	

## Maintenance

### Wastewater Collections

		Aug 2018 (Miles)	FYTD	Monthly Goal (miles)	
	Miles of gravity mains cleaned	6.7	65.8	7.5	
	Miles of gravity mains TV inspected	6.4	52.8	5.0	

### Water Distribution & Wastewater Collections

		Aug 2018	FYTD	
	Work orders, service orders completed	1,493	12,535	

## SSO Monthly Summary

		August	YTD	GOAL	
	Sanitary Sewer Overflows	2	22	<16	

### Major Projects and Other Updates

<b>MWTP Electric System Upgrade</b> - completed pouring the foundation for the new electrical building.				
<b>Main Street Sewer Crossing</b> - All preparations activities are complete and the gravity sewer installation will take place over the next two months				
<b>MSWRF Aeration Basin Repair</b> - The East Train Basin has been taken down and the aerator is under repair and should be complete in the next two weeks				
<b>Water Service Replacements</b> - Replaced over 800 water services Fiscal Year to date				
<b>Gravity Sewer Lining</b> - Lined over 13 miles of gravity sewer in Fiscal Year to date				
<b>Rachel Haeseler is the new President of the Florida Section of the American Society of Civil Engineers</b>				