

# STATE OF THE UTILITY

December 2019

Item #190903

# OPERATIONS SUMMARY

CORPORATE SAFETY

ENVIRONMENTAL

REGULATORY

PERSONNEL

December 2019

**Safety**

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

Employees

	Year to Date		
	First Aid	Recordable	DART
	1	0	0
	1	1	0
	1	1	0
	0	1	20
	0	0	0
		3	

	Current Month		
	Miles Driven*	Recordable	Preventable
Administration	9,894	0	0
W/WW Systems	61,327	0	0
Energy Supply	0	0	0
Energy Delivery - Electric/Gas	83,058	0	0
GRUCom	8,000	0	0
<b>Totals</b>	162,279	0	0

Vehicles

	Year to Date		
	Miles Driven*	Recordable	Preventable
	26,270	0	0
	144,596	2	1
	2,980	0	0
	198,395	0	0
	17,006	0	0
	389,247	2	1

\*Mileage data is for November FY20. December data will be included in January report.

**Environmental**

	Current Month
Notices of Violation	0
Emissions	
DH1, DH2, DHCT3, JRKCC1	
CO <sub>2</sub> (tons)	73,517
NO <sub>x</sub> (tons)	91
SO <sub>2</sub> (tons)	38
DH Unit 2 (only)	
PM <sub>FILT</sub> (tons)	4
Hg (lbs)	0.30
DHR	
CO <sub>2</sub> (tons)	167,375
NO <sub>x</sub> (tons)	49
SO <sub>2</sub> (tons)	3

Calendar Year to Date

1
1,094,587
1454
603
49
5.30
938,141
278
17

**Regulatory**

	Current Month
NERC	
Notice of Violations	0
Self Reports/Potential Violations	0

FY to Date
1
2

## Personnel

Row Labels	AUTHORIZED_FTE	FILLED_FTE	VACANCY	Last Month (November)
Administration	15.00	12.00	3.00	3.00
Chief Operating Officer	20.00	18.00	2.00	2.00
Customer Support Services	118.25	111.00	7.25	6.00
Energy Delivery	264.00	251.00	13.00	13.00
Energy Supply	183.00	179.00	4.00	3.00
Energy Supply - District Energy	10.00	10.00	0.00	0.00
Finance	43.00	30.00	13.00	13.00
GRUCom	38.00	31.00	7.00	6.00
Information Technology	71.00	65.00	6.00	6.00
Water Wastewater	168.00	158.90	9.10	10.10
<b>Grand Total</b>	<b>930.25</b>	<b>865.90</b>	<b>64.35</b>	<b>62.10</b>

## Utility Advisory Board Monthly Report – FY 2020 Safety Data Summary

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

### OCTOBER

- None reported

### NOVEMBER

- 11/13/19- While exiting his truck, employee turned on his right knee and felt a "pop". Went for treatment the next day and was given a prescription.
- 11/19/19- Employee cut right thumb with knife. (DART)

### DECEMBER

- 12/5/10-Employee was stung with a yellow jacket and had allergic reaction.

### JANUARY

## Utility Advisory Board Monthly Report – FY 2019 Vehicle Collision Summary

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

### OCTOBER

- None reported

### NOVEMBER

- 11/5/19- While stopped at the traffic sign on NW 11th Avenue at NW 6th Street, a citizen backed out of a private drive into the tires of U1705, a trailer being towed by U1891. There was no damage to our trailer and no injury.
- 11/12/19- A dump truck & trailer were stopped at a traffic sign. A bus was trying to make a turn onto the street, but could not complete the turn. The employee looked in his mirrors, and not seeing anyone, backed up to allow the bus to turn. A citizen's car was stopped directly behind the trailer, and the trailer damaged the car's front grill. (P)

### DECEMBER

### JANUARY

---

**End of FY 2020**

## Utility Advisory Board Monthly Report – FY 2020 NERC compliance

### Penalty violations

<u>Determination date</u>	<u>Description</u>
N/A	No penalties to-date for FY 2020

### Non-Penalty violations (Compliance Exceptions or Find-Fix-Track)

<u>Determination date</u>	<u>Description</u>
11/14/2019	14 Cyber Assets were not properly configured to send event logs to the central logging server, which is required to generate alerts for specific log types

### Potential violations (Pending regulatory agency determination)

<u>Report date</u>	<u>Description</u>
6/6/2019 (FY2019)	35 Cyber Assets were delayed in being included under GRU's Critical Infrastructure Protection (CIP) program
10/4/2019	Two relay settings not adjusted in accordance with PRC-023-4 for 18 months

No new incidents for November or December 2019.

# CUSTOMER SUPPORT SERVICES

Customer Operations

New Services

Revenue Assurance



## Customer Operations Metrics Summary December 2019

<b>Active Accounts</b>	Dec-19	YTD Gain/Loss	FY19
<i>Residential Contract Accounts</i>			
Total	92,131	308	91,823
Electric	85,200	136	85,064
Gas	33,964	159	33,805
Water	63,700	120	63,580
Wastewater	59,570	84	59,486
Telecomm	105	(12)	117

<b>Active Accounts</b>	Dec-19	YTD Gain/Loss	FY19
<i>Nonresidential Contract Accounts</i>			
Total	13,640	44	13,596
Electric	11,052	27	11,025
Gas	1,664	7	1,657
Water	5,910	18	5,892
Wastewater	4,694	9	4,685
Telecomm	395	3	392

<b>New Installations</b>	Dec-19	FY20 To Date	FY19
Electric	145	376	1393
Gas	52	131	512
Water	56	169	654
Wastewater	52	144	614
Telecomm	23	59	141

<b>Residential Disconnects</b>	Dec-19	FY20 To Date	FY19
Volume	1,239	3,779	14,076
Average Balance	\$255.03	\$258.53	\$246.88

<b>Call Center Volume</b>	Dec-19	FY20 To Date	FY19
Residential ASA	0:02:09	0:02:13	0:06:26
Business ASA	0:01:59	0:01:58	0:02:49
CSR Calls	14,892	45,430	151,278
CSR Callbacks	326	992	19,343
IVR Self Service	17,571	54,982	227,577
Total	32,789	101,404	398,198
IVR/Total	54%	54%	57%

<b>Revenue Assurance</b>	Dec-19	FY20 To Date	FY19
Referred to Collections	\$134,630.78	\$517,765.48	\$1,948,001.43
Recovered	\$54,050.75	\$186,143.34	\$796,259.96

<b>Service Orders</b>	Dec-19	FY20 To Date	FY19
Move Ins	6,546	18,932	109,537
Move Outs	6,780	18,339	109,795

<b>Bills Generated</b>	Dec-19	FY20 To Date	FY19
Paper Bills	101,921	333,053	1,278,441
eBills	19,508	59,590	212,879
Total	121,429	392,643	1,491,320
eBill/Total	16%	15%	14%

<b>Average Res Bill Amounts</b>	Dec-19	FY20 To Date	FY19
Electric (kWh)	648	770	836
Electric (\$)	\$102.71	\$119.33	\$122.20
Gas (Therms)	32	18	19
Gas (\$)	\$50.00	\$33.07	\$32.72
Water (kGals)	5	5	6
Water (\$)	\$29.93	\$31.49	\$28.61
Wastewater (kGals)	5	5	7
Wastewater(\$)	\$35.50	\$36.00	\$34.25

<b>Payment Arrangements</b>	Dec-19	FY20 To Date	FY19
Total	564	2,022	9,797

1/7/2020

# ENERGY DELIVERY

System Consumption

System Reliability

Major Projects – Electric & Gas

# ENERGY DELIVERY - UAB REPORT - DECEMBER 2019

## Durations Reliability Report Between 12/01/2019 and 12/31/2019

Excludes Extreme Weather and Generation/Transmission Disturbances

<b>CUSTOMER DATA</b>	<b>RELIABILITY INDICIES</b>		<b>MONTHLY AVG GOAL</b>
Monthly Average Customers Served(C)	98,401	Average Service Availability Index (ASAI)	99.9983%
Total Hours of Customer Demand	70,848,720	System Average Interruption Duration Index (SAIDI)	2.9
Total Number of Outages	41	Customer Average Interruption Duration Index (CAIDI)	116.71
Total Number of Customers Affected (CI)	2,448	System average Interruption Frequency Index (SAIFI)	0.02
Total Customer Minutes Interrupted (CMI)	285,695		
Total Customer "Out Minutes"	8,612	Average Length of a Service Interruption (L-Bar)	210.05 Mins

### Cause of Outages

<b>Cause</b>	<b>Overhead</b>	<b>Underground</b>	<b>Both</b>	<b>Total</b>
0. Undetermined	1	0	0	1
1. Weather	5	1	0	6
2. Vegetation	17	0	0	17
3. Animals	1	0	0	1
4. Foreign Interference	0	0	0	0
5. Human Cause	3	0	0	3
6. Equipment Failure	1	7	5	13
7. All Remaining Outages	0	0	0	0
<b>Total</b>	<b>28</b>	<b>8</b>	<b>5</b>	<b>41</b>

# ENERGY DELIVERY - UAB REPORT - DECEMBER 2019

## Durations Reliability Report Between 01/01/2019 and 12/31/2019\*

Excludes Extreme Weather and Generation/Transmission Disturbances, Excludes TMED Days

CUSTOMER DATA	RELIABILITY INDICIES		FISCAL YTD GOALS
Monthly Average Customers Served(C)	98,401	Average Service Availability Index (ASAI)	99.9892%
Total Hours of Customer Demand	859,631,136	System Average Interruption Duration Index (SAIDI)	56.72
Total Number of Outages	743	Customer Average Interruption Duration Index (CAIDI)	66.80
Total Number of Customers Affected (CI)	83,552	System average Interruption Frequency Index (SAIFI)	0.85
Total Customer Minutes Interrupted (CMI)	5,581,350		
Total Customer "Out Minutes"	100,058	Average Length of a Service Interruption (L-Bar)	134.67 Mins

### Cause of Outages

Cause	Overhead	Underground	Both	Total
0. Undetermined	52	14	2	68
1. Weather	73	12	15	100
2. Vegetation	274	30	13	317
3. Animals	66	10	2	78
4. Foreign Interference	0	1	1	2
5. Human Cause	30	13	6	49
6. Equipment Failure	44	95	62	201
7. All Remaining Outages	4	0	5	9
<b>Total</b>	<b>543</b>	<b>175</b>	<b>106</b>	<b>824</b>

\* REPORTED AS CALENDAR YEAR

# ENERGY DELIVERY - UAB REPORT - DECEMBER

## 2019

### Electric System Consumption

	2019		2018	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Feed-In-Tariff - Residential	58 KWH	102	69 KWH	101
Feed-In-Tariff - General Service	2,327 KWH	155	2,947 KWH	157
Electric - GS - Demand - Regular	42,531,303 KWH	1,179	44,559,139 KWH	1,259
Electric - General Service Demand PV	1,019,077 KWH	20	737,090 KWH	20
Electric - GS - Kanapaha w Curtail Cr	1,117,200 KWH	1	915,600 KWH	1
Electric - GS - Demand - Large Power	6,579,600 KWH	6	7,263,680 KWH	7
Electric - GS - Murphree Curtail Credit	1,420,800 KWH	1	1,384,800 KWH	1
Electric - GS Large Demand PV	3,376,800 KWH	2	3,494,400 KWH	2
Electric - GS - Non Demand	12,705,621 KWH	9,919	12,860,256 KWH	9,753
Electric - General Service PV	90,157 KWH	65	118,977 KWH	61
Electric - Lighting - Rental	954,834 KWH	4,071 <i>n</i>	986,275 KWH	4,210 <i>n</i>
Electric - Lighting - Street - City	692,193 KWH	12 <i>n</i>	97,078 KWH	11 <i>n</i>
Electric - Lighting - Street - County	130,944 KWH	2 <i>n</i>	218,090 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	54,235,229 KWH	86,281	57,213,971 KWH	85,951
Electric - Residential PV	241,146 KWH	414	232,272 KWH	329
<b>Total Retail Electric</b>	<b>125,101,831 KWH</b>	<b>98,145</b>	<b>130,089,186 KWH</b>	<b>97,642</b>
<small>(n =not included in total customer count)</small>				
City of Alachua	9,449,000 KWH	21,251 KW	9,604,000 KWH	22,426 KW
			7,200,000 KWH	10,000 KW
<b>Total (Native) Electric</b>	<b>134,550,831 KWH</b>		<b>146,893,186 KWH</b>	

### Gas System Consumption

	2019		2018	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Gas - GS - Regular Service (Firm)	885,586 THM	1,366	868,389 THM	1,404
Gas - GS - Regular Service (Small)	14,319 THM	312	16,547 THM	291
Gas - GS - Interrruptible - Regular Serv	23,081 THM	1	42,885 THM	1
Gas - GS - Interrruptible - Large Volume	447,525 THM	7	461,895 THM	7
Gas - Residential - Regular Service	1,052,617 THM	34,127	1,057,331 THM	33,845
<b>Total Retail Gas</b>	<b>2,423,128 THM</b>	<b>35,813</b>	<b>2,447,047 THM</b>	<b>35,548</b>
Gas - GS - UF Cogeneration Plant	3,431,813 THM	1	3,516,877 THM	1
Gas - Residential - LP - Basic Rate	5,671 GAL	202	6,000 GAL	200

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

# ENERGY DELIVERY - UAB REPORT - DECEMBER 2019

## Energy Delivery - Major Projects

### Major Electric Design Projects

#### West

- > Butler Plaza Town Center
- > Celebration Pointe
- > Tower Road Mixed Use Development (Market's West) / Grand Oaks (144 single family residences)
- > Newberry Park TND – SW 122nd & Newberry Road – 149,590 s.f (mixed use)
- > 8th Ave UG Conversion

#### East

- > Hub on Campus II (NW 13th St.) - 7 story mixed-use development
- > Campus Advantage Apartments - 5 story student apartments
- > Hyatt Place - Hotel City Center - Downtown Re-Development (Hotel plus Retail Space)
- > 908 Group – 6 story Midtown high rise (Retail & 620 Apartments), repl. The Swamp Restaurant & Univ. PO
- > Ardent Gainesville (SW 13th St.) – 8 story Retail, Parking, & Residential (66 units, 182 beds)

### Major Gas Design Projects:

- > Main Installation – Oakmont Subdivision – ongoing – 10600'
- > Main Installation – Grand Oaks Phase 1 - 5150'
- > Main Installation - Wexford Subdivision - 2150'
- > Main Installation – Highpoint Crossing - US 441 Alachua
- > Main Replacment - UF Vet Med. - SW 16th Ave. - 1000'

New Gas Services installed in December 2019: 41 New Customers

# ENERGY SUPPLY

SYSTEM STATISTICS

ENERGY DISTRIBUTION

FUEL

**December 2019**

**Energy Supply - CAPACITY**

Source

	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 - Performance Parameter**

	Month	YTD	Budget YTD	Delta Budget
	41,560	132,338	158,590	(26,252)
	10,125	12,042	-	12,042
	33,612	183,439	231,368	(47,929)
	-	575	-	575
	1,117	6,798	34,998	(28,200)
	48,071	118,928	12,095	106,833

**Fuels Consumed**

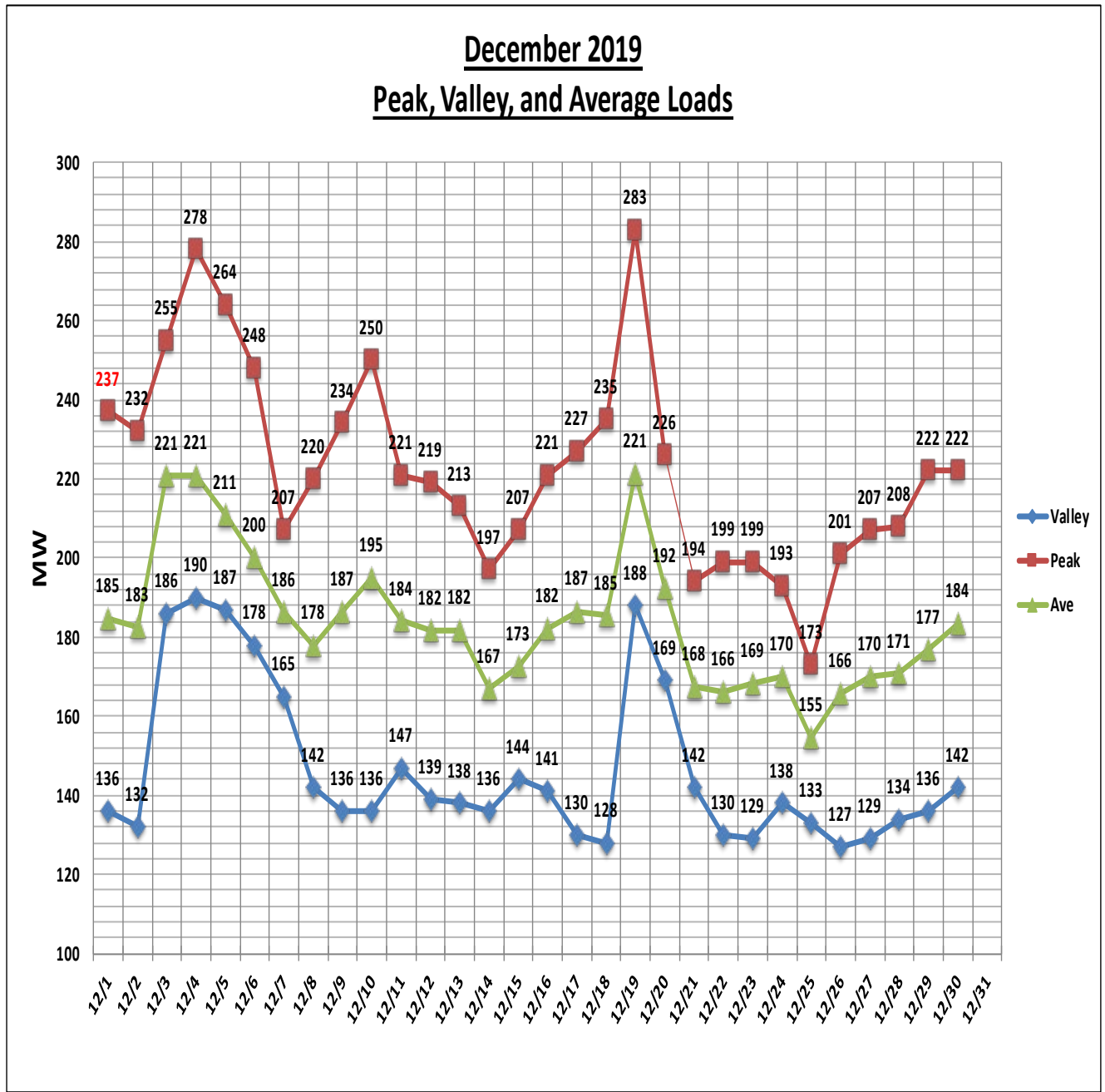
	Month	FYTD	Budget YTD	Delta Budget
Coal - Tons	13,321	44,214	85,955	(41,741)
Gas - MCF	683,476	2,464,821	2,013,611	451,210
Fuel oil - Gals	1,327	1,327	-	1,327
Biomass - Tons	65,006	136,694	15,223	121,471

**Availability/Capacity**

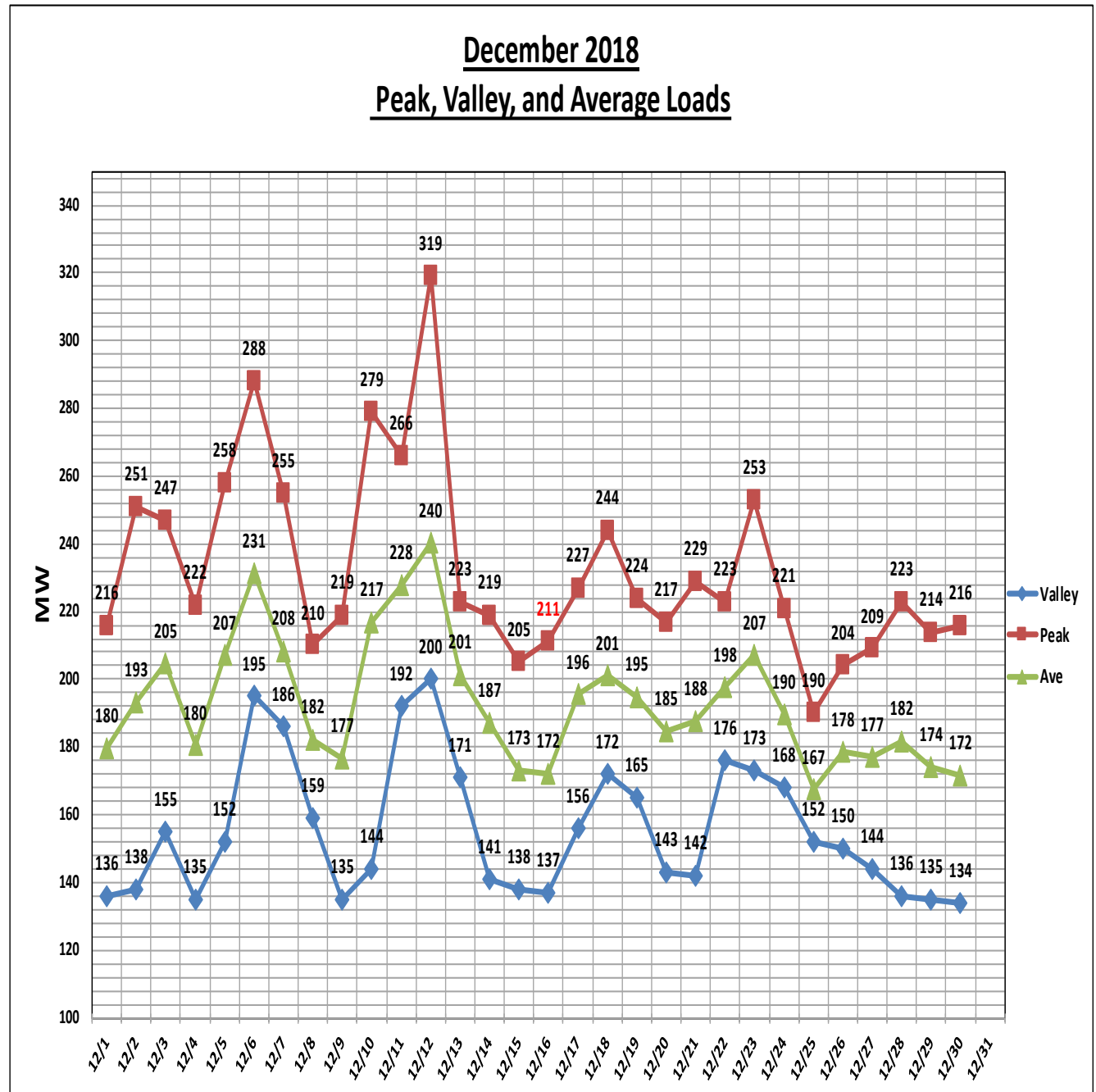
	Availability			Capacity		
	Month	FY 2020 YTD	FY 2019 YTD	Month	FY 2020 YTD	FY 2019 YTD
DH-2	99.92%	98.79%	82.73%	28.81%	29.48%	31.40%
DH-1	100.00%	100.00%	99.51%	20.48%	11.13%	25.55%
Kelly CC	88.72%	97.16%	79.48%	82.10%	87.56%	51.87%
DH CT-1	100.00%	92.92%	99.50%	0.00%	0.61%	0.18%
DH CT-2	100.00%	100.00%	95.50%	0.00%	0.53%	0.12%
DH CT-3	100.00%	99.95%	84.50%	0.00%	0.00%	1.44%
DHR	100.00%	71.31%	90.17%	69.58%	54.97%	71.92%



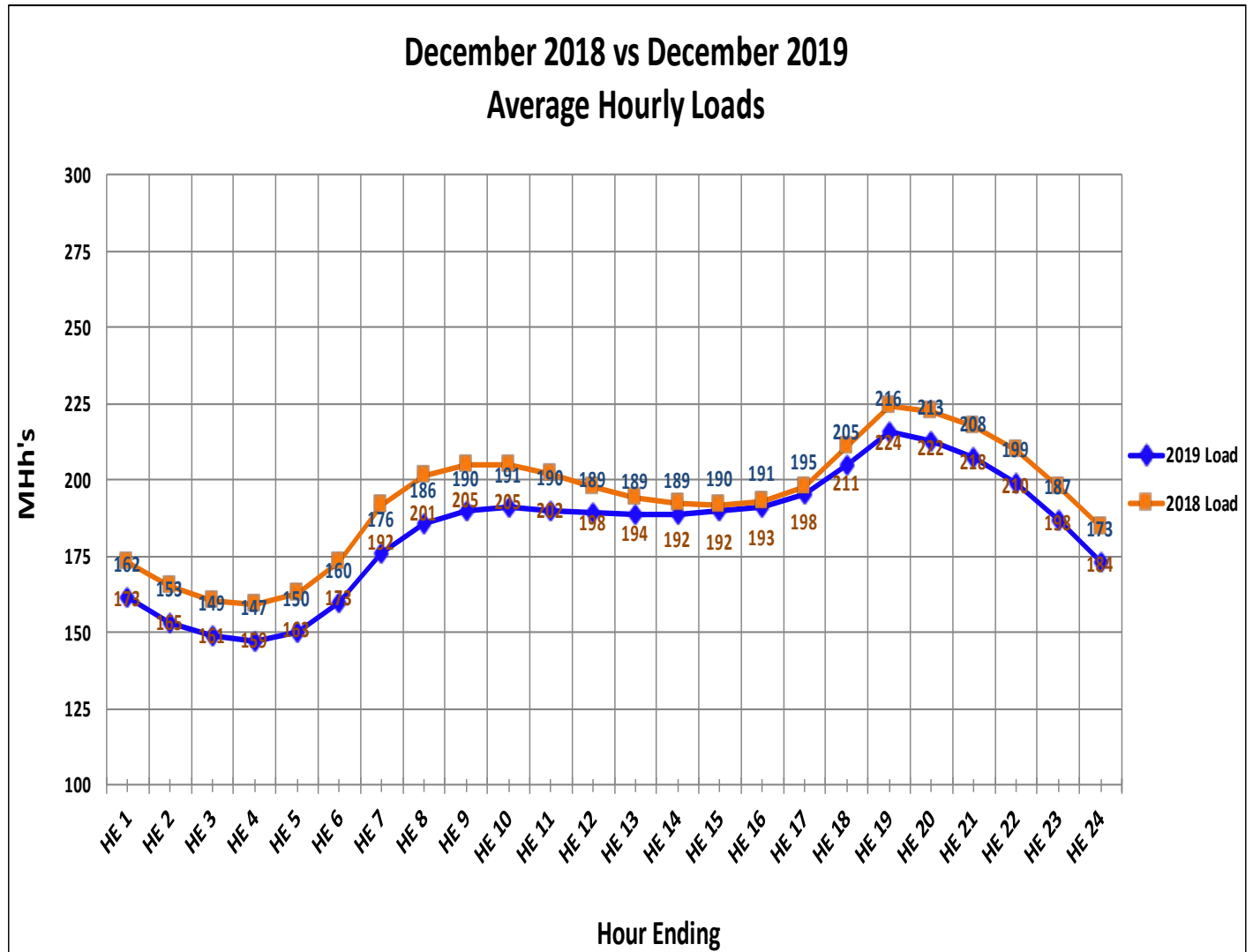
Date	Valley	Peak	Ave
12/1/2019	136	237	185
12/2/2019	132	232	183
12/3/2019	186	255	221
12/4/2019	190	278	221
12/5/2019	187	264	211
12/6/2019	165	248	200
12/7/2019	142	220	186
12/8/2019	136	234	178
12/9/2019	136	250	187
12/10/2019	147	221	195
12/11/2019	139	219	182
12/12/2019	138	213	184
12/13/2019	136	197	182
12/14/2019	144	207	173
12/15/2019	141	221	182
12/16/2019	130	227	187
12/17/2019	128	235	185
12/18/2019	188	283	221
12/19/2019	169	226	192
12/20/2019	142	194	168
12/21/2019	130	199	166
12/22/2019	129	199	169
12/23/2019	138	193	170
12/24/2019	133	173	155
12/25/2019	127	201	166
12/26/2019	129	207	170
12/27/2019	134	208	171
12/28/2019	136	222	177
12/29/2019	142	222	184
12/30/2019			



Date	Valley	Peak	Ave
12/1/2018	136	216	180
12/2/2018	138	251	193
12/3/2018	155	247	205
12/4/2018	135	222	180
12/5/2018	152	258	207
12/6/2018	195	288	231
12/7/2018	186	255	208
12/8/2018	159	210	182
12/9/2018	135	219	177
12/10/2018	144	279	217
12/11/2018	192	266	240
12/12/2018	200	319	223
12/13/2018	171	219	201
12/14/2018	141	227	187
12/15/2018	138	205	173
12/16/2018	137	211	207
12/17/2018	156	227	195
12/18/2018	172	244	208
12/19/2018	165	210	182
12/20/2018	143	219	177
12/21/2018	142	217	219
12/22/2018	176	221	228
12/23/2018	173	253	240
12/24/2018	168	221	200
12/25/2018	152	190	171
12/26/2018	150	204	187
12/27/2018	144	209	173
12/28/2018	136	223	195
12/29/2018	135	214	185
12/30/2018	134	216	178
12/31/2018	138	229	177



December Average Hourly Loads		
Hour Ending	2018 Load	2019 Load
HE 1	173	162
HE 2	165	153
HE 3	161	149
HE 4	159	147
HE 5	163	150
HE 6	173	160
HE 7	192	176
HE 8	201	186
HE 9	205	190
HE 10	205	191
HE 11	202	190
HE 12	198	189
HE 13	194	189
HE 14	192	189
HE 15	192	190
HE 16	193	191
HE 17	198	195
HE 18	211	205
HE 19	224	216
HE 20	222	213
HE 21	208	200
HE 22	199	190
HE 23	187	187
HE 24	173	184



Date: As of January 3<sup>rd</sup>, 2020: Major Energy Supply Projects/Milestones Updates:

1. Deerhaven Generating Station (DH):

- a. Major Maintenance Group will begin the planned Process Plant outage on 1/6/2020, and this outage is tentatively scheduled to run through 2/10/2020.
- b. For Deerhaven Unit #2 (DH2) we have completed our trials of adding Carbon XT to coal to address mercury concerns, and the Environmental Group is submitting final report to get long term permit permission that will allow full use of this additive for mercury control of coal.
- c. For DH2 we are conducting a due diligence study on the work scope and cost to convert DH2 to either dual fuel or 100% natural gas.

2. Kelly Generating Station (JRK):

- a. During the planned borescope outage for Kelly Plant CT4 the contractor discovered a cracked transition piece between exhaust and turbine inlet on 12/20/2019. Unit was made available emergency use only while we developed the outage resource plan to replace this damaged transition piece. Due to holiday the earliest we could get GE to respond was on 12/30/2019. GE arrived and worked this repairs under 12 hour day schedule and tentatively we are now scheduled to test run the unit post repairs on Saturday (1/4/2020). Following a successful test run we will be required to have GE complete cold weather tuning before we can fully release CT4, and then allow Kelly Plant to go back to combined cycle. Cold Weather tuning is being coordinated for Monday 1/6/2020.

3. Deerhaven Renewable(DHR):

- a. On 12/18/2019 the plant experienced wood fuel smoldering in the hogger building that carried over the dust suppression system. This incident required Alachua Fire Department to respond to address this potential fire issue. Prompt response by AF minimized damage to several bag in the dust suppression baghouse. Investigation revealed the source of the smoldering was a metal piece in the fuel mix that was not removed by our magnetic separator. When this metal piece entered the hopper the metal to metal contact resulted in the wood smoldering, and the water suppression system could not stop the smoldering promptly. We will be looking into options to beef up the capability of the current magnetic separator to prevent reoccurrence.

4. South Energy Center (SEC):

- a. Phase 2 Cooling Tower Fans have been experiencing excessive vibration and premature motor bearing failures. We are still working with the OEM (Grey Associates) to replace the motor and fans under warranty. We have new motors on order from Baltimore Aircoil Company (BAC), and working on scheduling with WW- Gay to move fan overhead piping and install these new motors. In parallel we are working with the SEC Engineering Group (Burns & McDonnell) to fully recover this cost.

5. Other:

- a. The Solar Intent to Negotiate (ITN) is still in the negotiation process with 3 vendors, with update expected to be presented to UAB/CCOM in January 2020.

# ENVIRONMENTAL PERMITTING

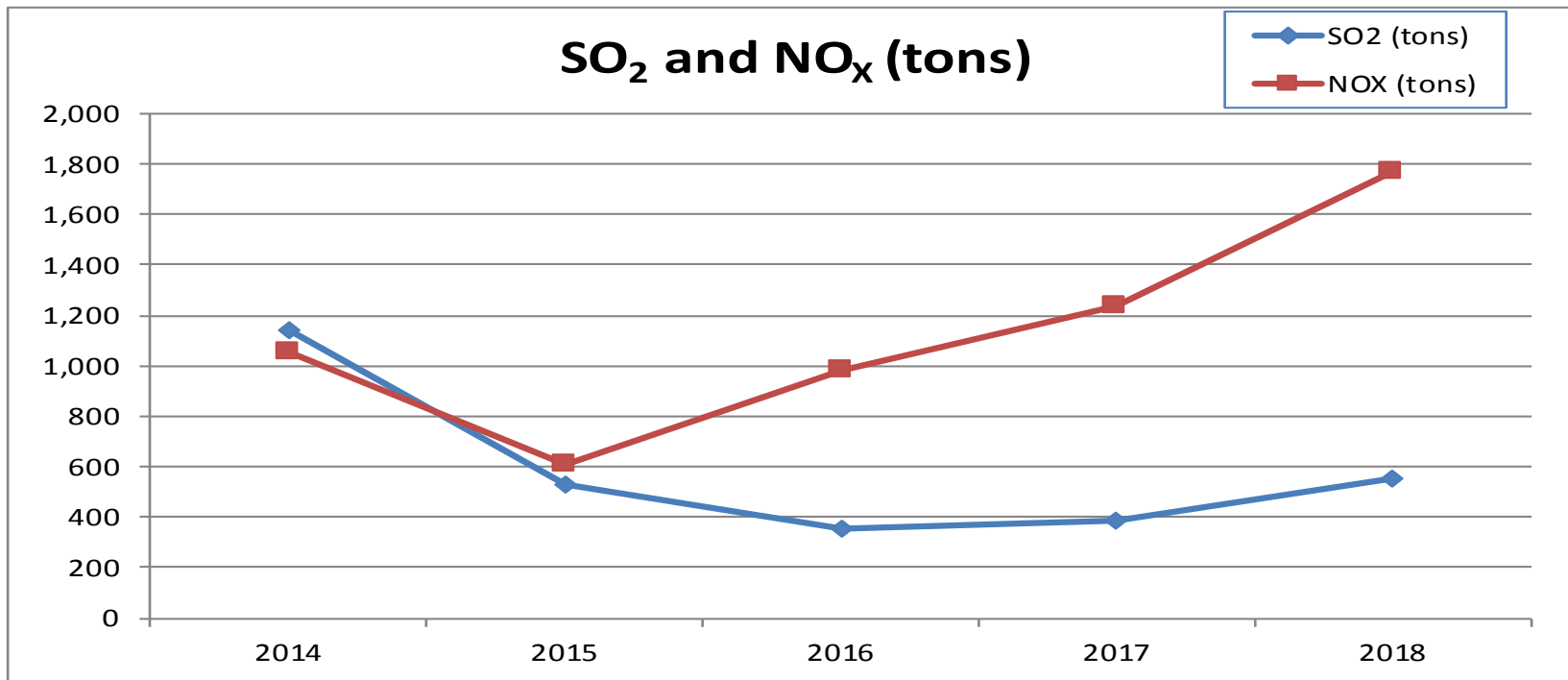
## EMISSIONS DATA

## Yearly Emissions

	SO <sub>2</sub> (tons)	NO <sub>x</sub> (tons)	Mercury (lbs)	PM (tons)	CO <sub>2</sub> (tons)
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	551	1,770	3.80	55	2,096,289
2019 (Jan-Dec.)	619	1,732	5.30	49	2,032,728

Mercury and Particulate values are for Unit 2 only.

DHR data included starting in 2018.

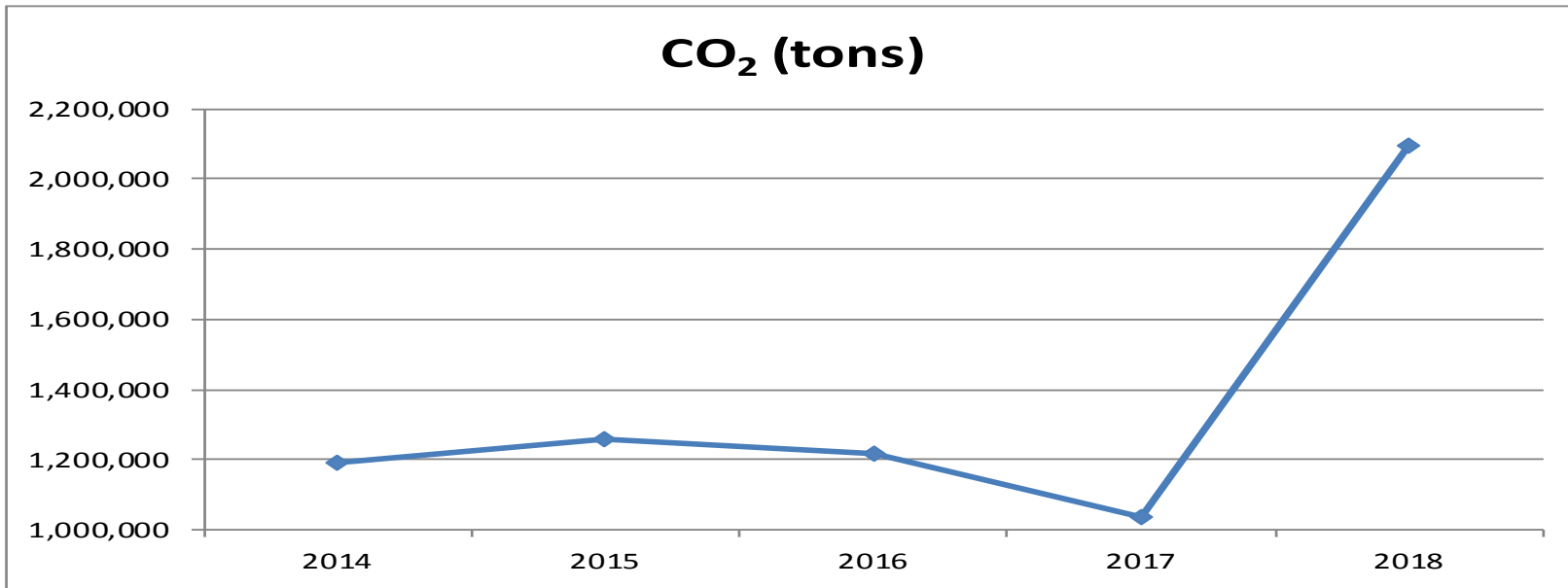


SO<sub>2</sub> was lower in 2015/2016/2017 due to higher removal rate settings for compliance w/MATS Rule.

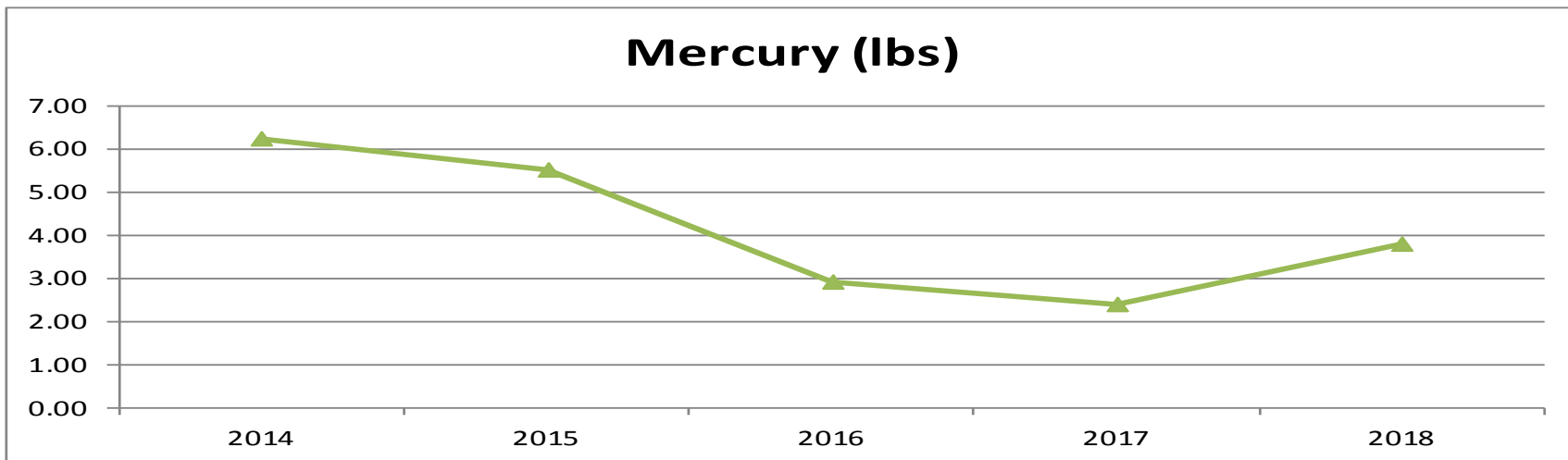
NO<sub>x</sub> higher in 2016 as it was more cost effective to use allowances than increase SCR removal rate.

DHR data included starting in 2018.

## Yearly Emissions



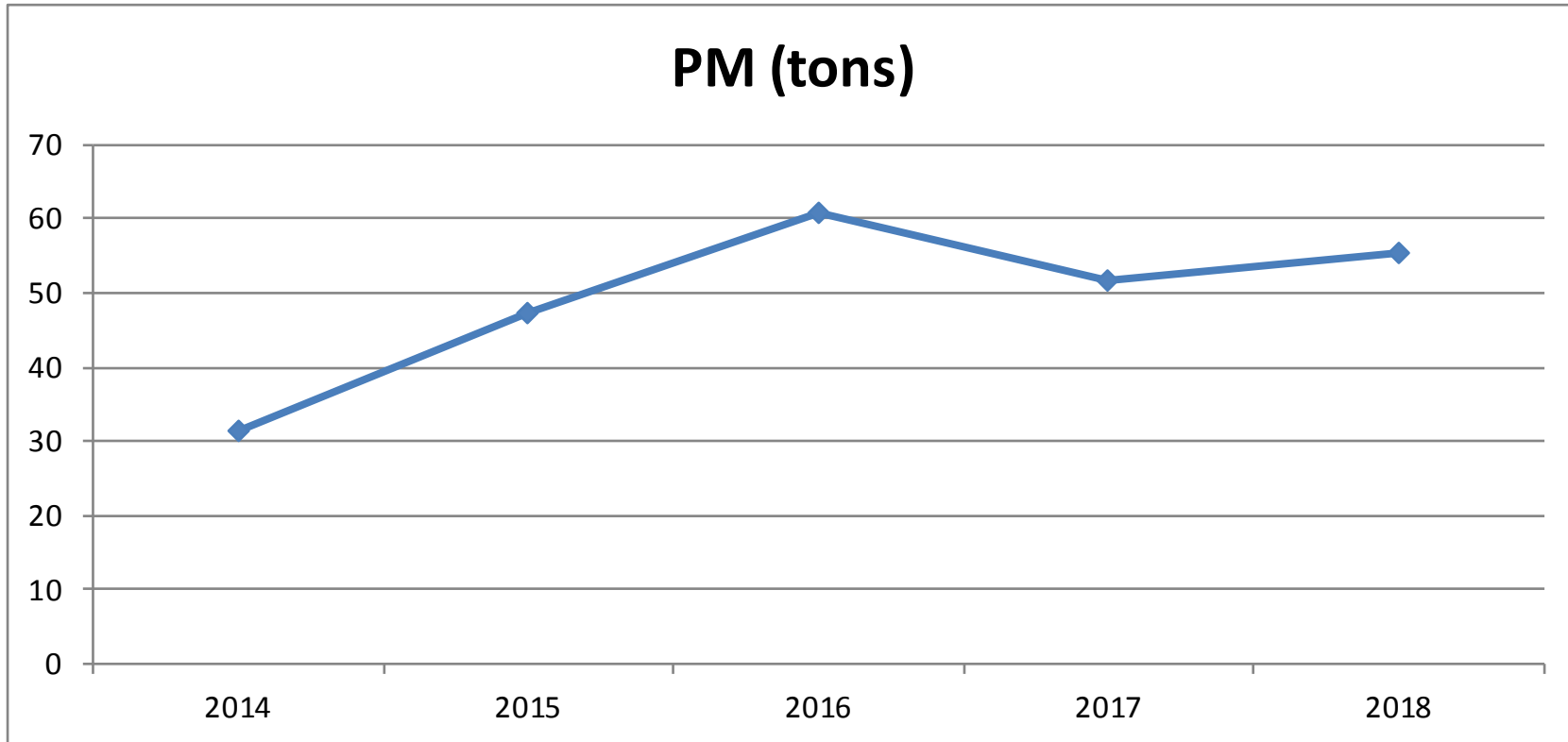
**DHR data included starting in 2018.**



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



# Yearly Emissions



2019 YTD (Jan.-Dec.)

	SO <sub>2</sub> (tons)	NO <sub>x</sub> (tons)	Mercury (lbs)	PM (tons)	CO <sub>2</sub> (tons)	HTIP (MMBtu)	GEN (MW-hours)
DH1	7.6	136.9			104,541.0	1,756,143.0	144,882.0
DH2	593.5	1,252.3	5.30	49.1	730,594.9	7,616,678.0	772,542.0
DHCT3	0.0	1.2			5,289.5	88,849.0	6,318.0
JRKCC1	1.4	63.7			254,161.5	4,276,773.0	491,608.0
DHR	17.0	278.4			938,141.1	8,992,937.2	675,957.5
<b>TOTAL</b>	<b>619.5</b>	<b>1,732.5</b>	<b>5.300</b>	<b>49.1</b>	<b>2,032,728.0</b>	<b>22,731,380.2</b>	<b>2,091,307.5</b>

602.5      1,454.1      5.3      49.1 <sup>▼</sup>      1,094,586.9 <sup>▼</sup>      13,738,443.0 <sup>▼</sup>      1,415,350.0

2019 - December

	SO <sub>2</sub> (tons)	NO <sub>x</sub> (tons)	Mercury (lbs)	PM (tons)	CO <sub>2</sub> (tons)	HTIP (MMBtu)	GEN (MW-hours)
DH1	2.0	11.1			8,744.9	146,737.0	11,702.0
DH2	35.9	75.7	0.3	3.5	47,289.6	552,351.0	51,793.0
DHCT3	0.0	0.0			0.0	0.0	0.0
JRKCC1	0.1	4.2			17,482.0	294,170.0	33,884.0
DHR	3.1	49.3			167,375.1	1,604,889.5	119,253.2
<b>TOTAL</b>	<b>41.1</b>	<b>140.3</b>	<b>0.276</b>	<b>3.5</b>	<b>240,891.6</b>	<b>2,598,147.5</b>	<b>216,632.2</b>

# WATER/WASTEWATER

PRODUCTION

MAINTENANCE

# Water/Wastewater December 2019 Dashboard

Production						
Murphree Water Treatment Plant						
		December 2019	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	20.5	23.0	30	77%	
	Peak Daily Flow	24.0	25.4	54	47%	
Main Street Water Reclamation Facility						
		December 2019	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	5.6	5.7	7.5	76%	
Kanapaha Water Reclamation Facility						
		December 2019	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	11.1	11.3	14.9	76%	
Water Reclamation Facilities (Combined)						
		December 2019	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	16.7	17.0	22.4	76%	
Maintenance						
Wastewater Collections						
		Dec 2019 (Miles)	FYTD	Monthly Goal (miles)		
	Miles of gravity mains cleaned	4.2	12.58	5.0		
	Miles of gravity mains TV inspected	3.9	12.47	5.0		
Water Distribution						
		Dec 2019	FYTD	Monthly Goal		
	Number of Water Services Replaced	58	215	75		
SSO Monthly Summary						
		December	YTD	GOAL (annual)		
	Sanitary Sewer Overflows	3	5	<22		

## Major Projects and Other Updates

**MWTP Electric System Upgrade** - Startup and cutover to new equipment by component is continuing successful and anticipated to be completed in March/April.

**MSWRF Phase I Project** - planning and design are underway. Progressive Design Build contract is being finalized.

**Gravity Sewer Lining** - Scheduling lining work for FY20 with the goal of lining 10 miles.

**KWRF** - headwork repairs complete and back in service

**Water Distribution** - repairing leaks more rapidly and maintaining leaks holding to under 25 on a monthly average.