

# STATE OF THE UTILITY

Operational Update

February 2020

Item #191098

# OPERATIONS SUMMARY

CORPORATE SAFETY

COMPLIANCE

ENVIRONMENTAL

REGULATORY

PERSONNEL

February 2020

**Safety**

	Current Month		
	First Aid	Recordable	DART
Administration	0	0	0
W/WW Systems	1	2	2
Energy Supply	0	1	1
Energy Delivery - Electric/Gas	0	0	0
GRUCom	0	0	0
Totals		3	

Employees

	Year to Date		
	First Aid	Recordable	DART
	1	0	0
	2	3	2
	1	2	1
	0	1	1
	0	0	0
		6	

	Current Month		
	Miles Driven*	Recordable	Preventable
Administration	9,681	0	0
W/WW Systems	64,441	1	0
Energy Supply	5,001	0	0
Energy Delivery - Electric/Gas	88,235	0	0
GRUCom	9,344	0	0
Totals	176,702	1	0

\*Mileage data is for January 2020. February mileage data will be included in March report.

Vehicles

	Year to Date		
	Miles Driven*	Recordable	Preventable
	49,903	0	0
	274,810	3	1
	10,851	0	0
	379,740	0	0
	33,827	0	0
	749,131	3	1

Mileage YTD through January 2020

**Environmental**

	Current Month
Notices of Violation	0

Calendar Year to Date
0

Emissions

DH1, DH2, DHCT3, JRKCC1

CO <sub>2</sub> (tons)	52,696
NO <sub>x</sub> (tons)	30
SO <sub>2</sub> (tons)	0

127,513
111
29

DH Unit 2 (only)

PM <sub>FILT</sub> (tons)	0
Hg (lbs)	0.00

3
0.20

DHR

CO <sub>2</sub> (tons)	62,461
NO <sub>x</sub> (tons)	17
SO <sub>2</sub> (tons)	1

137,096
37
3

## Regulatory

**NERC**  
**Notice of Violations**  
**Self Reports/Potential Violations**

### Current Month

0
1

### FY to Date

1
3

## Personnel

Row Labels	AUTHORIZED_FTE	FILLED_FTE	VACANCY	Last Month (January)
Administration	15.00	13.00	3.00	3.00
Chief Operating Officer	20.00	18.00	2.00	2.00
Customer Support Services	118.25	111.00	7.25	7.25
Energy Delivery	264.00	253.00	11.00	13.00
Energy Supply	183.00	172.00	11.00	4.00
Energy Supply - District Energy	10.00	10.00	0.00	0.00
Finance	43.00	30.00	12.00	13.00
GRUCom	38.00	31.00	3.00	7.00
Information Technology	71.00	63.00	8.00	6.00
Water Wastewater	168.00	161.00	7.00	9.10
<b>Grand Total</b>	<b>930.25</b>	<b>862.00</b>	<b>64.25</b>	<b>64.35</b>

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

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

### OCTOBER

- None reported

### NOVEMBER

- 11/13/2019 – 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.
- 11/19/2019 – Employee cut right thumb with knife. (DART)

### DECEMBER

- 12/5/2019 – Employee was stung by a yellow jacket and had allergic reaction.

### JANUARY

- None reported

### FEBRUARY

- 2/6/2020 – Employee's hand got caught between two conveyor rollers. (DART)
- 2/17/2020 – Employee was walking through an overgrown area while clearing a sewer line easement. He tripped on a vine and fell to the ground, straining his back. (DART)
- 2/27/2020 – While replacing a water meter yoke, the back of the employee's right middle finger was cut from a piece of glass buried in the soil. (DART)

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**End of FY 2020**

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

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

### OCTOBER

- None reported

### NOVEMBER

- 11/5/2019 – 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.
- 11/12/2019 – 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

- None reported

### JANUARY

- None reported

### FEBRUARY

- 2/5/2020 – While driving a service truck with a trailer westbound on East University Ave, a citizen tried to change lanes and collided with the left front corner of the truck. The person did not stay at the scene. Law Enforcement took and report and will follow up.

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**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
2/20/2020	[Audit finding from Regional auditor]. System Operating Limit exceeds Facility Rating for Line 14.

# CUSTOMER SUPPORT SERVICES

Customer Operations

New Services

Revenue Assurance



# Customer Operations Metrics Summary February 2020

Active Accounts	Feb-20	YTD Gain/Loss	FY19
<i>Residential Contract Accounts</i>			
Total	92,301	478	91,823
Electric	85,344	280	85,064
Gas	34,051	246	33,805
Water	63,786	206	63,580
Wastewater	59,647	161	59,486
Telecomm	101	(16)	117

New Installations	Feb-20	FY20 To Date	FY19
Electric	113	688	1393
Gas	45	215	512
Water	59	276	654
Wastewater	57	245	614
Telecomm	3	74	141

Call Center Volume	Feb-20	FY20 To Date	FY19
Residential ASA	0:03:21	0:02:34	0:06:26
Business ASA	0:02:26	0:02:11	0:02:49
CSR Calls	13,509	74,201	151,278
CSR Callbacks	434	1,808	19,343
IVR Self Service	20,599	90,635	227,577
Total	34,542	166,644	398,198
IVR/Total	60%	54%	57%

Bills Generated	Feb-20	FY20 To Date	FY19
Paper Bills	99,987	541,755	1,278,441
eBills	17,886	96,321	212,879
Total	117,873	638,076	1,491,320
eBill/Total	15%	15%	14%

Payment Arrangements	Feb-20	FY20 To Date	FY19
Total	460	3,048	9,797

Active Accounts	Feb-20	YTD Gain/Loss	FY19
<i>Nonresidential Contract Accounts</i>			
Total	13,652	56	13,596
Electric	11,056	31	11,025
Gas	1,668	11	1,657
Water	5,925	33	5,892
Wastewater	4,691	6	4,685
Telecomm	398	6	392

Residential Disconnects	Feb-20	FY20 To Date	FY19
Volume	1,058	6,251	14,076
Average Balance	\$247.52	\$253.40	\$246.88

Revenue Assurance	Feb-20	FY20 To Date	FY19
Referred to Collections	\$97,984.02	\$720,279.40	\$1,948,001.43
Recovered	#VALUE!	\$284,196.03	\$796,259.96

Service Orders	Feb-20	FY20 To Date	FY19
Move Ins	7,607	33,764	109,537
Move Outs	7,025	32,542	109,795

Average Res Bill Amounts	Feb-20	FY20 To Date	FY19
Electric (kWh)	681	740	836
Electric (\$)	\$105.00	\$114.75	\$122.20
Gas (Therms)	38	25	19
Gas (\$)	\$54.60	\$40.73	\$32.72
Water (kGals)	5	5	6
Water (\$)	\$28.80	\$30.61	\$28.61
Wastewater (kGals)	4	5	7
Wastewater(\$)	\$40.67	\$38.17	\$34.25

3/10/2020

# ENERGY DELIVERY

System Consumption

System Reliability

Major Projects – Electric & Gas

# ENERGY DELIVERY - UAB REPORT - FEBRUARY 2020

## Durations Reliability Report Between 02/01/2020 and 02/29/2020

Excludes Extreme Weather and Generation/Transmission Disturbances

CUSTOMER DATA		RELIABILITY INDICES		MONTHLY AVG GOAL
Monthly Average Customers Served(C)	98,608	Average Service Availability Index (ASAI)	99.9852%	
Total Hours of Customer Demand	66,264,576	System Average Interruption Duration Index (SAIDI)	5.96	4.5 Mins
Total Number of Outages	53	Customer Average Interruption Duration Index (CAIDI)	69.08	55 Mins
Total Number of Customers Affected (CI)	8,513	System average Interruption Frequency Index (SAIFI)	0.09	0.08
Total Customer Minutes Interrupted (CMI)	588,052			
Total Customer "Out Minutes"	23,372	Average Length of a Service Interruption (L-Bar)	440.98 Mins	

GRU MONTHLY				EIA - All	EIA - Public	FMPA
AVG GOAL				2018	2018	2019
SAIDI	5.96	4.5 Mins		143.37	63.12	70.43
CAIDI	69.08	55 Mins		75.86	78.98	60.24
SAIFI	0.09	0.08		1.82	0.85	1.160

Notes on EIA and FMPA Data:

1. EIA - All data is Florida only and includes co-ops, IOU's and municipals
2. FMPA data includes 25 municipals in Florida
3. Breakdown:

Number of Utilities Submitting Data in FL

All	Coop	IOU	Public Power
37	13	5	19

Cause of Outages				
Cause	Overhead	Underground	Both	Total
0. Undetermined	2	0	2	4
1. Weather	0	0	1	1
2. Vegetation	87	3	9	99
3. Animals	0	0	0	0
4. Foreign Interference	0	0	0	0

## ENERGY DELIVERY - UAB REPORT - FEBRUARY 2020

5. Human Cause	1	0	0	1
6. Equipment Failure	2	2	0	4
7. All Remaining Outages	0	0	0	0
Total	92	5	12	109

### Durations Reliability Report Between 01/01/2020 and 02/29/2020\*

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

CUSTOMER DATA		RELIABILITY INDICES		FISCAL YTD GOALS
Monthly Average Customers Served(C)	98,608	Average Service Availability Index (ASAI)	99.9890%	
Total Hours of Customer Demand	139,628,928	System Average Interruption Duration Index (SAIDI)	9.31	9
Total Number of Outages	80	Customer Average Interruption Duration Index (CAIDI)	70.21	55 Mins
Total Number of Customers Affected (CI)	13,077	System average Interruption Frequency Index (SAIFI)	0.13	0.16
Total Customer Minutes Interrupted (CMI)	918,164			
Total Customer "Out Minutes"	27,004	Average Length of a Service Interruption (L-Bar)	337.55 Mins	

Cause of Outages				
Cause	Overhead	Underground	Both	Total
0. Undetermined	3	0	2	5
1. Weather	0	0	1	1
2. Vegetation	89	3	9	101
3. Animals	3	0	1	4
4. Foreign Interference	0	0	0	0
5. Human Cause	7	2	2	11
6. Equipment Failure	5	6	2	13
7. All Remaining Outages	0	0	0	0
Total	107	11	17	135
* REPORTED AS CALENDAR YEAR				

# ENERGY DELIVERY - UAB REPORT - JANAUARY 2020

## Durations Reliability Report Between 02/01/2020 and 02/29/2020

	2020		2019	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Feed-In-Tariff - Residential	142 KWH	98	62 KWH	102
Feed-In-Tariff - General Service	2,611 KWH	159	3,175 KWH	157
Electric - GS - Demand - Regular	43,436,066 KWH	1,182	45,285,418 KWH	1,210
Electric - General Service Demand PV	1,102,359 KWH	20	766,512 KWH	20
Electric - GS - Kanapaha w Curtail Cr	1,123,200 KWH	1	1,030,800 KWH	1
Electric - GS - Demand - Large Power	6,718,800 KWH	6	6,835,840 KWH	7
Electric - GS - Murphree Curtail Credit	1,375,200 KWH	1	1,389,600 KWH	1
Electric - GS Large Demand PV	3,444,000 KWH	2	3,278,400 KWH	2
Electric - GS - Non Demand	12,681,309 KWH	9,708	13,876,082 KWH	9,738
Electric - General Service PV	102,497 KWH	64	104,837 KWH	63
Electric - Lighting - Rental	867,225 KWH	3,972 <i>n</i>	977,448 KWH	4,200 <i>n</i>
Electric - Lighting - Street - City	4,985 KWH	10 <i>n</i>	744,645 KWH	13 <i>n</i>
Electric - Lighting - Street - County	0 KWH	0 <i>n</i>	186,643 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	54,871,012 KWH	83,095	64,969,302 KWH	85,433
Electric - Residential PV	233,778 KWH	417	223,716 KWH	347
Total Retail Electric	125,967,726 KWH	94,755	139,677,022 KWH	97,081
(n =not included in total customer count)				
City of Alachua	8,950,000 KWH KWH	21,453 KW	8,591,000 KWH	19,816 KW
Total (Native) Electric	134,917,726 KWH		148,268,022 KWH	

## Gas System Consumption

	2020		2019	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Gas - GS - Regular Service (Firm)	912,460 THM	1,357	955,556 THM	1,371
Gas - GS - Regular Service (Small)	17,974 THM	315	23,411 THM	293
Gas - GS - Interruptible - Regular Serv	18,473 THM	1	38,861 THM	1
Gas - GS - Interruptible - Large Volume	420,639 THM	7	440,565 THM	7
Gas - Residential - Regular Service	1,224,173 THM	33,721	1,591,166 THM	33,775
Total Retail Gas	2,593,719 THM	35,401	3,049,559 THM	35,447
Gas - GS - UF Cogeneration Plant	3,099,146 THM	1	3,201,495 THM	1
Gas - Residential - LP - Basic Rate	6,495 GAL	202	7,371 GAL	200

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

# **ENERGY DELIVERY - UAB REPORT - JANUARY 2020**

## **Durations Reliability Report Between 02/01/2020 and 02/29/2020**

### **Major Electric Design Projects**

#### **West**

- > Butler Plaza Town Center (Commercial Development)
- > Celebration Pointe (Commercial & Residential Development)
- > 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 OH to UG Conversion (Ph. 3)

#### **East**

- > Hub on Campus II (NW 13th St.) - 7 story mixed use development
- > The Mark at Gainesville (410 NW 13th St.) - 6 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' - Finished
- > Main Installation – Grand Oaks Phase 1 - 5150'
- > Main Installation - Woodland Park Subdivision - 1900 SE 4th St. - 2286'
- > Main Installation - Kingston Pl. Subdivision – 14786 NW 25nd Ave – 5100' - Finished

ENERGY SUPPLY

SYSTEM STATISTICS

ENERGY DISTRIBUTION

FUEL

February 2020

**Energy Supply - CAPACITY**

**Energy Supply - Performance Parameter**

Source

	Unit Capability output - MWn	Month	YTD	Budget YTD	Delta Budget
DH-2	228	-	164,303	262,887	(98,584)
DH-1	75	20,640	42,458	-	42,458
Kelly CC	108	68,622	310,261	372,442	(62,181)
CT's	106	147	722	9	713
Grid		6,253	11,172	59,883	(48,711)
DHR	102.5	35,782	198,703	23,060	175,643

**Fuels Consumed**

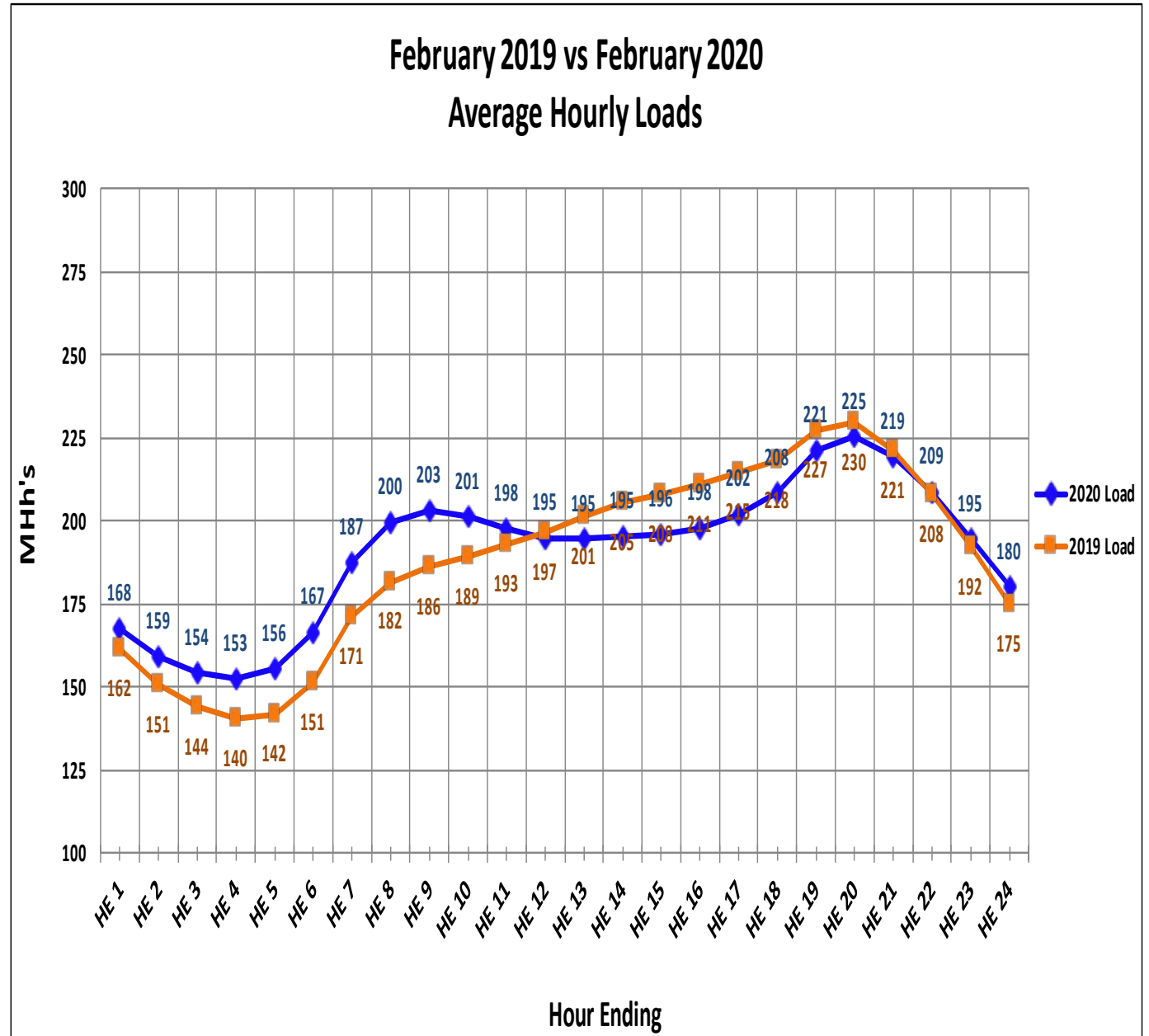
	Month	FYTD	Budget YTD	Delta Budget
Coal - Tons	-	53,856	144,665	(90,809)
Gas - MCF	852,004	4,191,635	3,246,936	944,699
Fuel oil - Gals	-	1,327	-	1,327
Biomass - Tons	49,689	245,622	27,783	217,839

**Availability/Capacity**

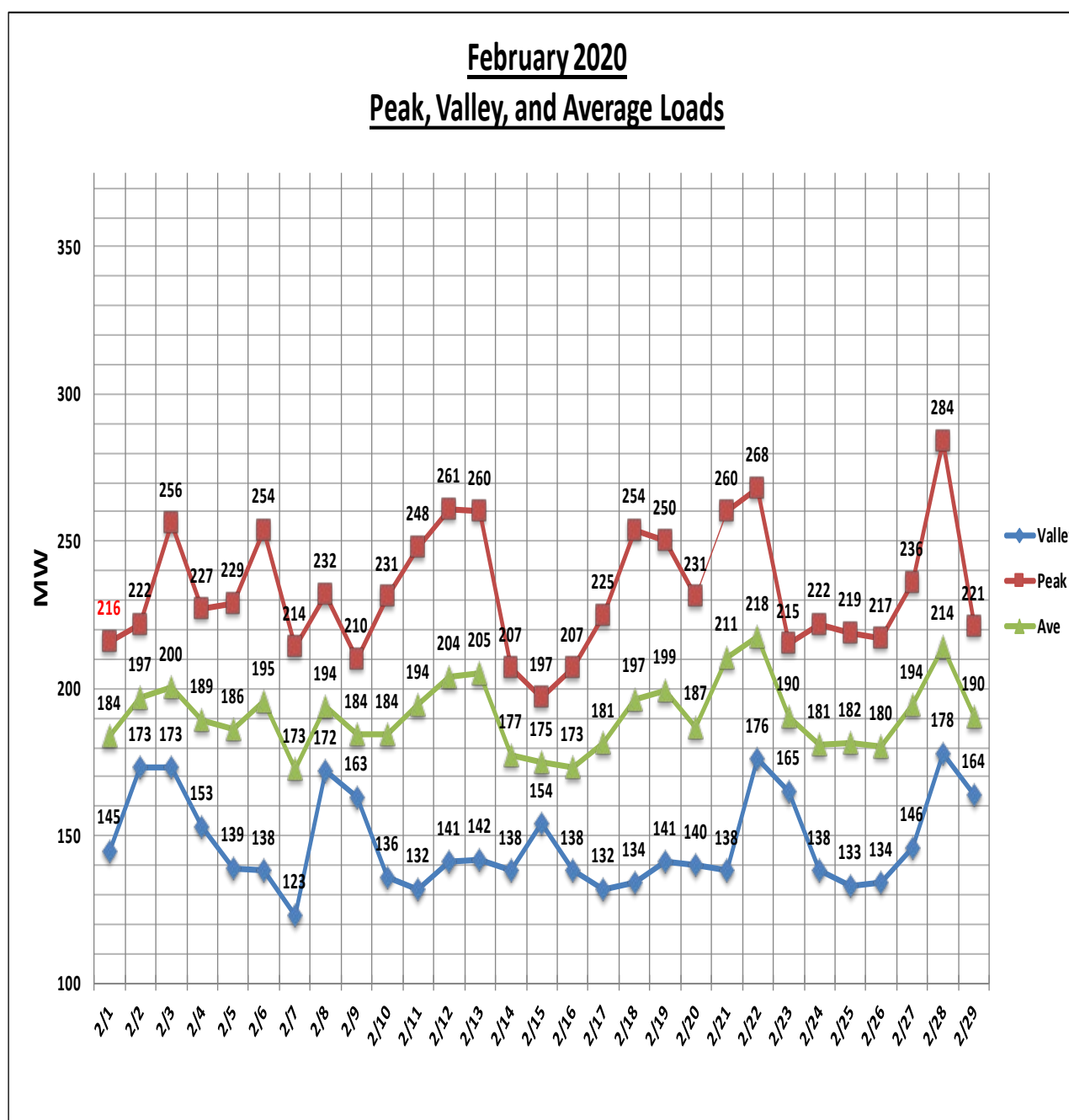
	Availability			Capacity		
	Month	FY 2020 YTD	FY 2019 YTD	Month	FY 2020 YTD	FY 2019 YTD
DH-2	80.17%	95.82%	82.73%	0.00%	21.87%	31.40%
DH-1	96.55%	81.25%	99.51%	40.88%	16.52%	25.55%
Kelly CC	94.94%	88.94%	79.48%	93.26%	79.89%	51.87%
DH CT-1	96.52%	94.91%	99.50%	0.02%	0.49%	0.18%
DH CT-2	95.30%	99.10%	95.50%	0.35%	0.49%	0.12%
DH CT-3	93.89%	98.81%	84.50%	0.09%	0.00%	1.44%
DHR	95.65%	82.16%	90.17%	53.94%	53.00%	71.92%



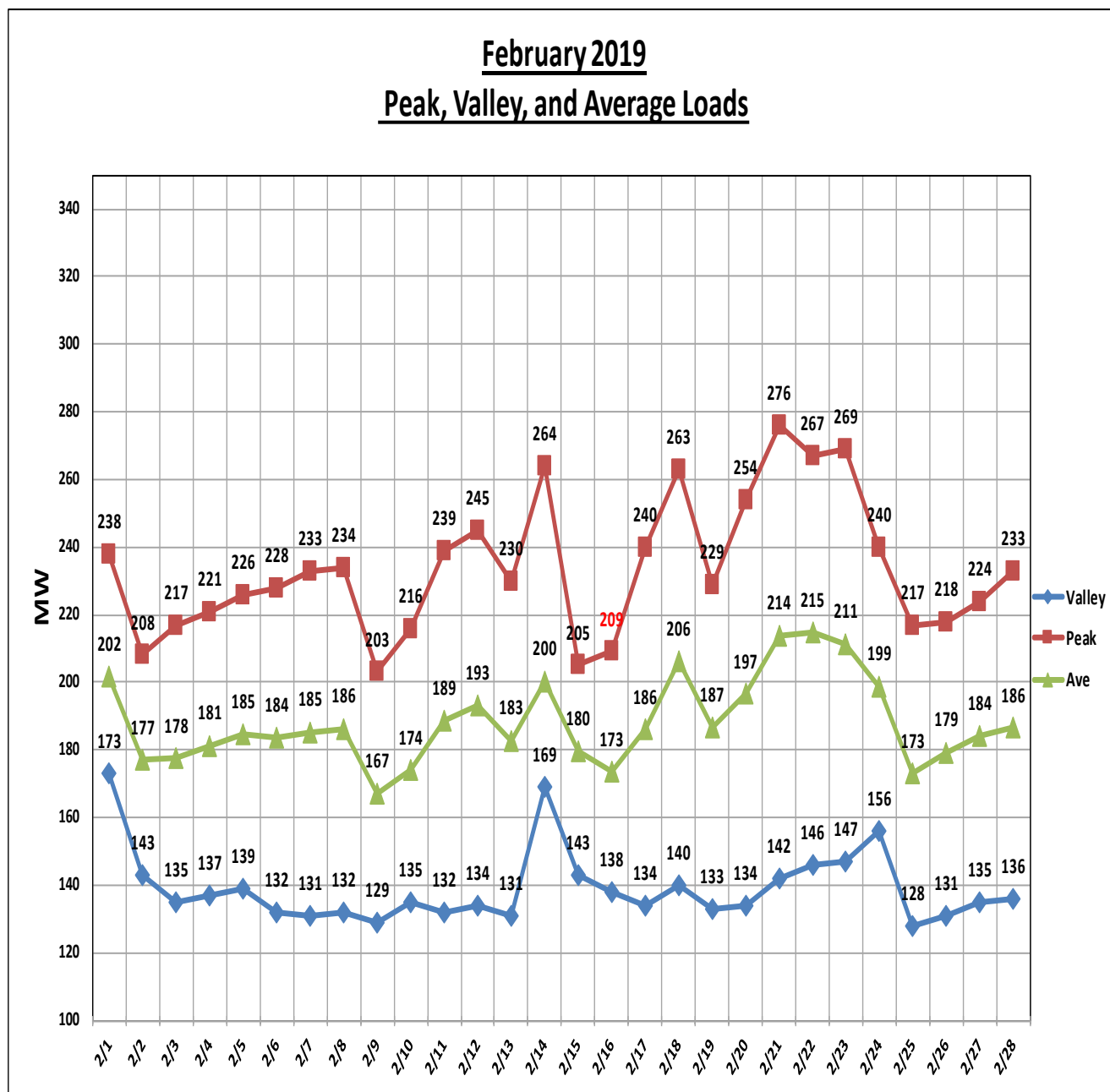
February Average Hourly Loads		
Hour Ending	2019 Load	2020 Load
HE 1	162	168
HE 2	151	159
HE 3	144	154
HE 4	140	153
HE 5	142	156
HE 6	151	167
HE 7	171	187
HE 8	182	200
HE 9	186	203
HE 10	189	201
HE 11	193	198
HE 12	197	195
HE 13	201	195
HE 14	205	195
HE 15	208	196
HE 16	211	198
HE 17	215	202
HE 18	218	208
HE 19	227	221
HE 20	230	225
HE 21	221	219
HE 22	208	209
HE 23	192	195
HE 24	175	180



Date	Valley	Peak	Ave
2/1/2020	145	216	184
2/2/2020	173	222	197
2/3/2020	173	256	200
2/4/2020	153	227	189
2/5/2020	139	229	186
2/6/2020	138	254	195
2/7/2020	123	214	173
2/8/2020	172	232	194
2/9/2020	163	210	184
2/10/2020	136	231	184
2/11/2020	132	248	194
2/12/2020	141	261	204
2/13/2020	142	260	205
2/14/2020	138	207	177
2/15/2020	154	197	175
2/16/2020	132	225	181
2/17/2020	134	254	197
2/18/2020	141	250	199
2/19/2020	140	231	187
2/20/2020	138	260	211
2/21/2020	176	268	218
2/22/2020	165	215	190
2/23/2020	138	222	181
2/24/2020	133	219	182
2/25/2020	134	217	180
2/26/2020	146	236	194
2/27/2020	178	284	214
2/28/2020	164	221	190



Date	Valley	Peak	Ave
2/1/2019	173	238	202
2/2/2019	143	208	177
2/3/2019	135	217	178
2/4/2019	137	221	181
2/5/2019	139	226	185
2/6/2019	132	228	184
2/7/2019	131	233	185
2/8/2019	132	234	186
2/9/2019	129	203	167
2/10/2019	135	216	174
2/11/2019	132	239	189
2/12/2019	134	245	193
2/13/2019	131	230	183
2/14/2019	169	264	200
2/15/2019	143	205	180
2/16/2019	138	209	173
2/17/2019	134	240	186
2/18/2019	140	263	187
2/19/2019	133	229	197
2/20/2019	134	254	214
2/21/2019	142	276	215
2/22/2019	146	267	211
2/23/2019	147	269	199
2/24/2019	156	240	173
2/25/2019	128	217	179
2/26/2019	131	218	184
2/27/2019	135	224	186
2/28/2019	136	233	186



Date: As of March 5<sup>th</sup>, 2020: Major Energy Supply Projects/Milestones Updates:

1. Deerhaven Generating Station (DH):
  - a. Major Maintenance Group completed the Process Plant Outage on 2/10/2020, with no major problems or discovery work.
  - b. Deerhaven Unit #2 (DH2) went into planned outage on 2/24/2020. We were able to start days early because of DH2 being offline already due to economic shutdown based on extremely low natural gas prices. This planned outage is on track with only concern is delay in getting some of the 5,000 replacement bags for the baghouse. As these bags come from overseas some have been delayed due to COVID19.
  - c. For DH2 we are still coordinating with both Babcock & Wilcox (Boiler OEM) and Sargent & Lundy to complete due diligence study on the work scope and cost to convert DH2 to either dual fuel or 100% natural gas. As of now are expect to have draft of study results by end of April 2020, and the brief COO/GM in May 2020.
2. Kelly Generating Station (JRK):
  - a. Unit #8 Steam Turbine and Generator replacement. All the fabrication and coordination for turbine and generator are progressing as planned. Currently only concern brought to our attention by Siemens is that the Generator Rotor that is currently being fabricated in China may be delayed to get to next fabrication site in Germany due to COVID 19 implications.
3. Deerhaven Renewable(DHR):
  - a. Plant annual emission testing was conducted on 2/5/2020.
4. South Energy Center (SEC):
  - a. Wartsila Engine 18,000 hour planned outage was conducted 2/3 through 2/7/2020.
  - b. Phase 2 Cooling Tower Fans piping modifications are in progress, and Baltimore Air Coil (BAC) will on site starting week of 3/16/2020 to begin the replacement of all 6 motors and fans, and hope to have work completed by 3/27/2020. SEC Engineering Group is working with original project lead (Burns & McDonnell) to fully recover this warranty work cost.
5. Other:
  - a. The Solar Intent to Negotiate (ITN) is still in the negotiation process with update expected to be presented to UAB/CCOM in April of 2020 if all goes well in the negotiations.

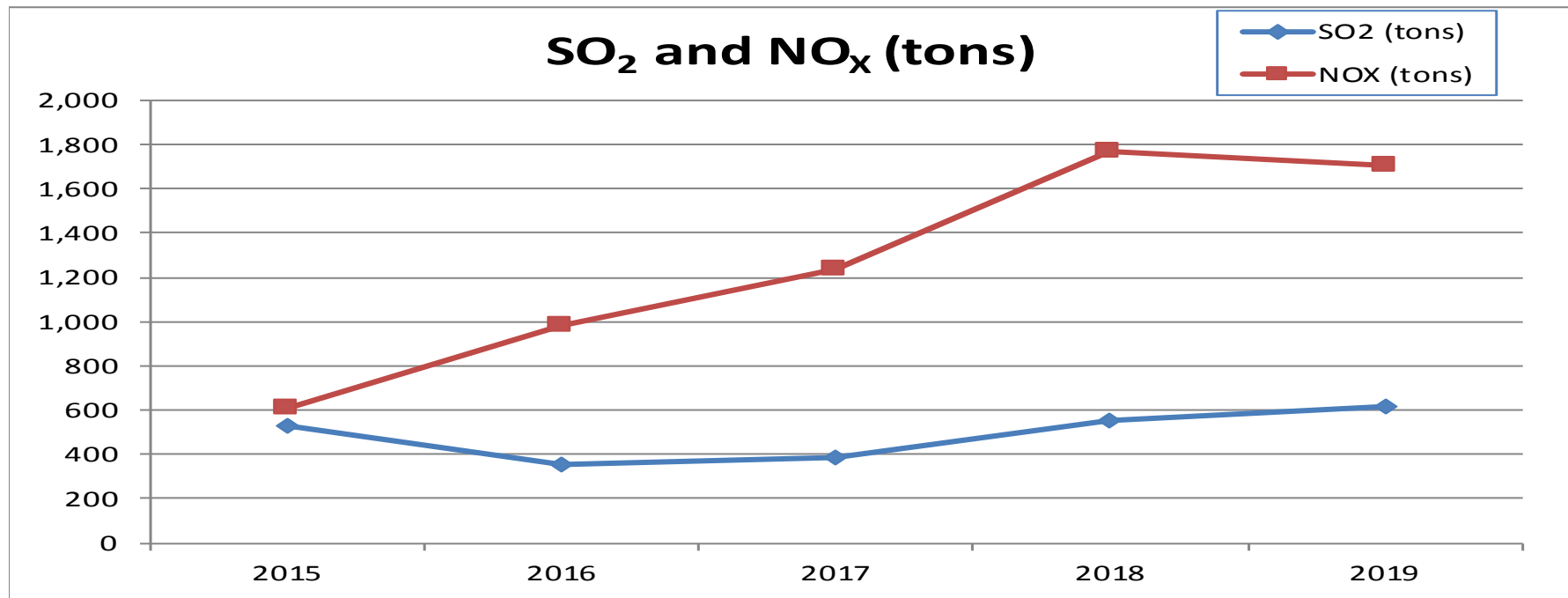
# ENVIRONMENTAL PERMITTING

## EMISSIONS DATA

## Yearly Emissions

	SO <sub>2</sub> (tons)	NO <sub>x</sub> (tons)	Mercury (lbs)	PM (tons)	CO <sub>2</sub> (tons)
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	618	1,707	5.30	49	2,020,310
2020 (Feb.)	31	149	0.21	3	264,609

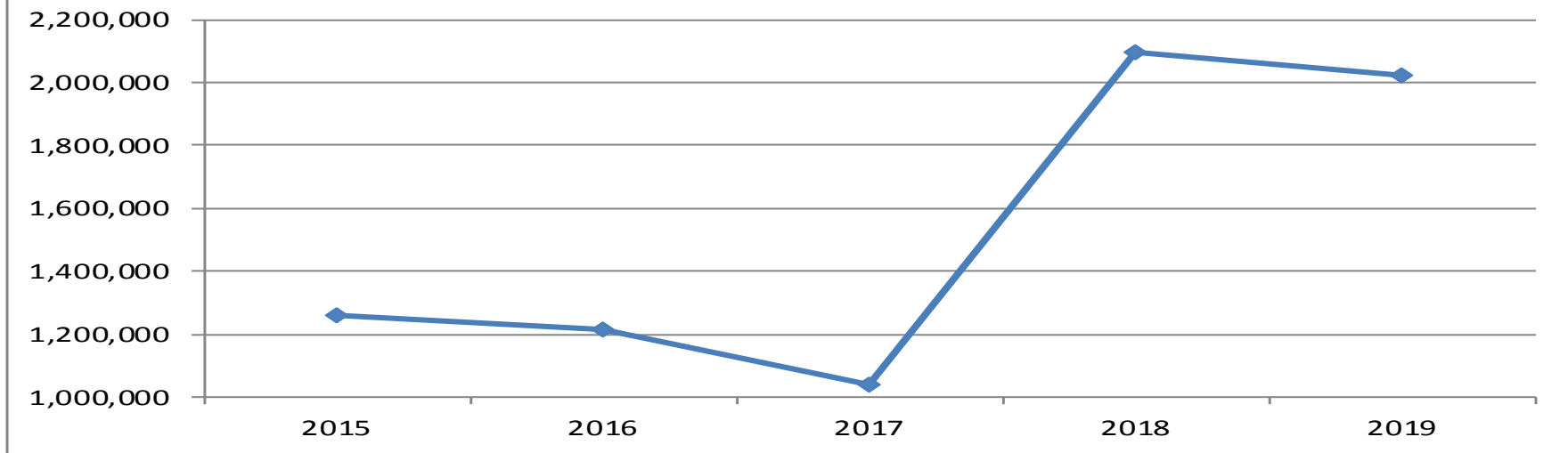
**2017, 2018, 2019 and 2020 Mercury and Particulate values are for Unit 2 only.**



**SO<sub>2</sub> was lower in 2015, 2016, and 2017 due to higher removal rate settings to assure compliance**  
**NO<sub>x</sub> was higher in 2016 since it was more cost effective to use allowances than increase SCR removal**  
**2018 and later data include DHR. The previous years did not include DHR.**

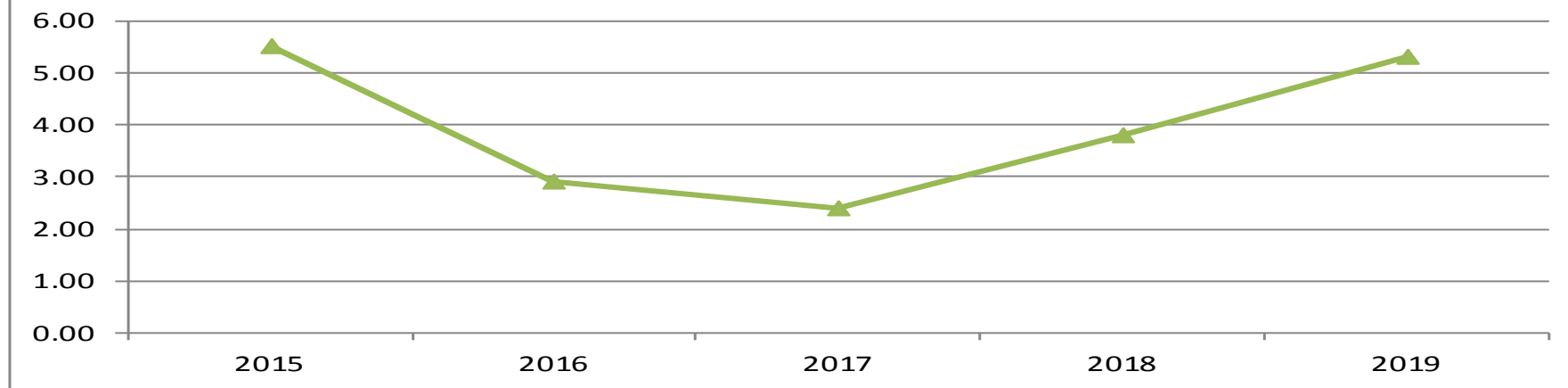
## Yearly Emissions

### CO<sub>2</sub> (tons)



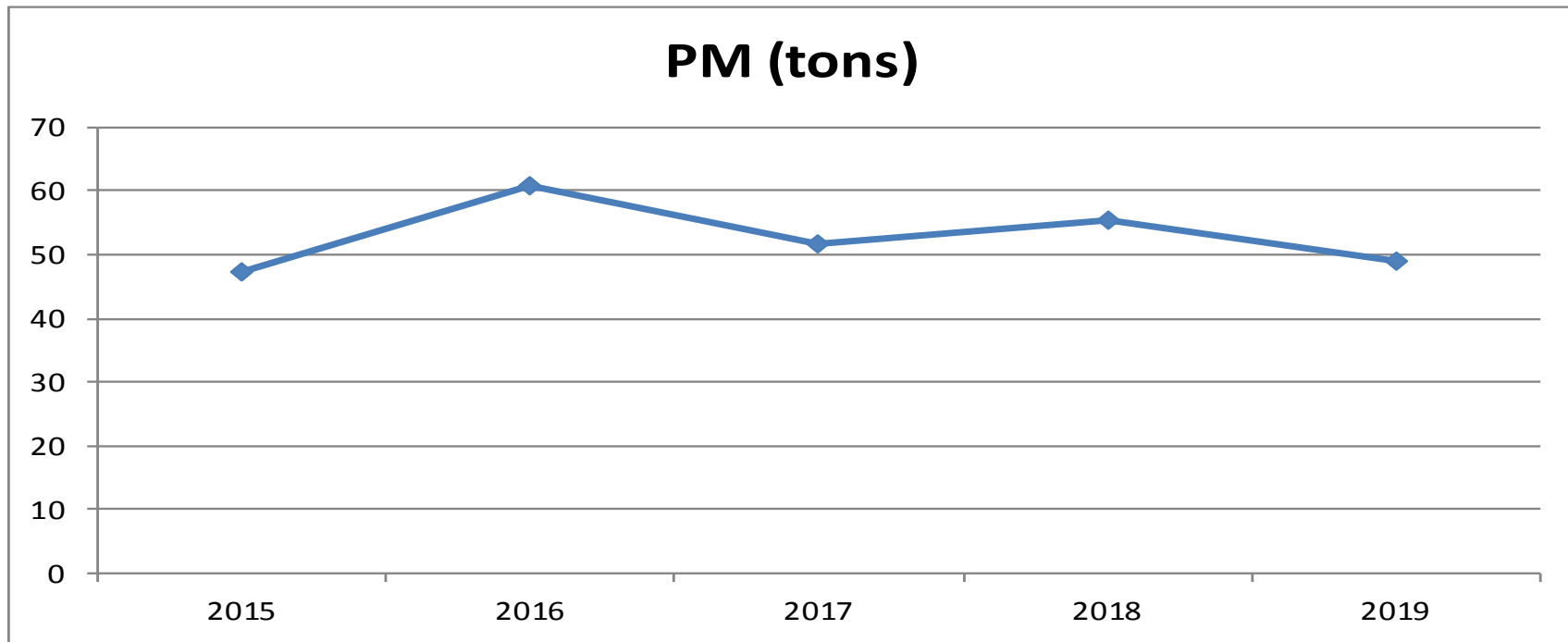
**2018 and later data include DHR. The previous years did not include DHR.**

### Mercury (lbs)



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

## Yearly Emissions



EP3



## YTD - 2020 February

	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	0.1	31.4			24,630.1			414,437.0	33,446.0
DH2	27.0	63.3	0.21	3.4	35,680.3			422,422.0	39,301.0
DHCT3	0.0	0.0			98.9			1,665.0	98.0
JRKCC1	1.4	16.5			67,103.8			1,129,142.9	128,184.0
DHR	2.5	37.4			137,096.1			1,313,025.8	94,352.4
<b>TOTAL</b>	<b>31.0</b>	<b>148.6</b>	<b>0.213</b>	<b>3.4</b>	<b>264,609.2</b>			<b>3,280,692.7</b>	<b>295,381.4</b>

## 2020 - February

	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	0.1	20.9			16,598.2			279,295.0	22,606.0
DH2	0.0	0.0	0.00	0.0	2.3			22.0	0.0
DHCT3	0.0	0.0			98.9			1,665.0	98.0
JRKCC1	0.2	8.7			35,996.4			605,705.2	69,294.0
DHR	1.2	17.3			62,460.5			597,781.6	42,764.5
<b>TOTAL</b>	<b>1.5</b>	<b>46.9</b>	<b>0.0</b>	<b>0.0</b>	<b>115,156.3</b>			<b>1,484,468.8</b>	<b>134,762.5</b>

WATER/WASTEWATER

PRODUCTION

MAINTENANCE

# Water/Wastewater February 2020 Dashboard

Production						
Murphree Water Treatment Plant						
		February 2020	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	21.4	21.9	30	73%	
	Peak Daily Flow	25.1	24.9	54	46%	
Main Street Water Reclamation Facility						
		February 2020	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	5.7	5.8	7.5	77%	
Kanapaha Water Reclamation Facility						
		February 2020	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	11.5	11.4	14.9	77%	
Water Reclamation Facilities (Combined)						
		February 2020	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	17.2	17.2	22.4	77%	
Maintenance						
Wastewater Collections						
			Feb 2020 (Miles)	FYTD	Monthly Goal (miles)	
	Miles of gravity mains cleaned		4.4	22.95	5.0	
	Miles of gravity mains TV inspected		7.2	24.27	5.0	
Water Distribution						
			Feb 2020	FYTD	Monthly Goal	
	Number of Water Services Replaced		88	336	75	
SSO Monthly Summary						
			February	YTD	GOAL (annual)	
	Sanitary Sewer Overflows		1	8	<22	

## Major Projects and Other Updates

- 1) MWTP Electric System Upgrade - Startup and cutover to new equipment by component is continuing successful and anticipated to be completed in May. Most of the MWTP is now operating on the new electrical system.
- 2) MSWRF Phase I Project - planning and design are underway. Progressive Design Build contract is being finalized.
- 3) Gravity Sewer Lining - Scheduling lining work for FY20 with the goal of lining 10 miles.
- 4) KWRF - headwork repairs complete and back in service
- 5) Water Distribution - repairing leaks more rapidly and maintaining leaks holding to under 25 on a monthly average.