

STATE OF THE UTILITY

Operational Update

April 2020

Item #200017

OPERATIONS SUMMARY

CORPORATE SAFETY

COMPLIANCE

ENVIRONMENTAL

REGULATORY

PERSONNEL

April 2020

Safety

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

Employees

First Aid	Year to Date Recordable	DART
1	0	0
3	4	2
1	2	1
0	1	1
0	0	0
	7	

	Miles Driven*	Current Month Recordable	Preventable
Administration	14,360	0	0
W/WW Systems	81,977	2	2
Energy Supply	2,035	0	0
Energy Delivery - Electric/Gas	98,163	3	1
GRUCom	8,398	0	0
Totals	204,933	5	3

*Mileage data is for March 2020. April mileage data will be included in May report.

Vehicles

Miles Driven*	Year to Date Recordable	Preventable
79,074	1	0
430,383	4	3
17,254	0	0
585,011	4	2
51,018	0	0
1,162,740	9	5

Mileage YTD through March 2020

Environmental

	Current Month
Notices of Violation	0

Calendar Year to Date
0

Emissions

DH1, DH2, DHCT3, JRKCC1

CO ₂ (tons)	57,748
NO _x (tons)	31
SO ₂ (tons)	0

237,982
173
28

DH Unit 2 (only)

PM _{FILT} (tons)	0
Hg (lbs)	0.00

3
0.20

DHR

CO ₂ (tons)	65,393
NO _x (tons)	20
SO ₂ (tons)	1

269,570
77
5

Regulatory**NERC****Notice of Violations**

0

1

Self Reports/Potential Violations

3

6

Personnel

Row Labels	AUTHORIZED_FTE	FILLED_FTE	VACANCY	Last Month (March)
Administration	16.00	12.00	4.00	4.00
Chief Operating Officer	20.00	18.00	2.00	2.00
Customer Support Services	118.25	108.00	10.25	11.00
Energy Delivery	264.00	253.00	11.00	10.00
Energy Supply	183.00	168.00	15.00	13.00
Energy Supply - District Energy	10.00	10.00	0.00	0.00
Finance	42.00	30.00	12.00	12.00
GRUCom	38.00	30.00	8.00	8.00
Information Technology	71.00	63.00	8.00	7.00
Water Wastewater	168.00	162.00	6.00	6.00
Grand Total	930.25	854.00	76.25	73.00

Filled FTE's do not include temporary employees or interns

Filled FTE's do include staffed overfills

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)

MARCH

- None reported

APRIL

- 4/22/2020 – At the end of regular duties of the day, employee felt sharp pain in the back. Followed up the next day and pain was still strong. Sent for medical evaluation and diagnosed with back strain

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.

MARCH

- 3/27/2020 – An employee driving truck U1961 scraped the back bumper of an unoccupied parked vehicle causing rear bumper damage to the private vehicle. Employee was making a left hand turn into a parking lot near work site and stated that vehicle exiting parking lot was not stopping, so in an effort to allow more space inadvertently made contact with the private vehicle on the opposite side of the approaching vehicle. There was no injury or damage to the GRU vehicle. (P)

APRIL

-

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.
3/3/2020	Failure to issue door alarms for 5 days due to email system configuration error
4/16/2020	Failure to update baseline documents within 30 days of a change to a cyber asset
4/17/2020	Failure to verify at least once each calendar quarter that individuals with active electronic access or unescorted physical access have authorization records

Noteworthy: GRU's regional NERC auditor, Southeastern Reliability Corporation (SERC) concluded its tri-annual audit of GRU's CIP program on 4/29/2020 with no findings beyond the three self-reported issues above. This validates that GRU's internal compliance program is among the best in the region.

CUSTOMER SUPPORT SERVICES

Customer Operations

New Services

Revenue Assurance

Customer Operations Metrics Summary April 2020

Active Accounts	Apr-20	YTD Gain/Loss	FY19
<i>Residential Contract Accounts</i>			
Total	92,612	789	91,823
Electric	85,567	503	85,064
Gas	34,088	283	33,805
Water	63,936	356	63,580
Wastewater	59,751	265	59,486
Telecomm	98	(19)	117

New Installations	Apr-20	FY20 To Date	FY19
Electric	108	904	1393
Gas	40	323	512
Water	56	418	654
Wastewater	50	375	614
Telecomm	11	87	141

Call Center Volume	Apr-20	FY20 To Date	FY19
Residential ASA	0:00:10	0:02:02	0:06:26
Business ASA	0:00:18	0:01:46	0:02:49
CSR Calls	12,525	100,924	151,278
CSR Callbacks	11	1,918	19,343
IVR Self Service	15,537	120,123	227,577
Total	28,073	222,965	398,198
IVR/Total	55%	54%	57%

Bills Generated	Apr-20	FY20 To Date	FY19
Paper Bills	106,422	751,450	1,278,441
eBills	20,979	137,242	212,879
Total	127,401	888,692	1,491,320
eBill/Total	16%	15%	14%

Payment Arrangements	Apr-20	FY20 To Date	FY19
Total	120	3,535	9,797

Active Accounts	Apr-20	YTD Gain/Loss	FY19
<i>Nonresidential Contract Accounts</i>			
Total	13,637	41	13,596
Electric	11,046	21	11,025
Gas	1,663	6	1,657
Water	5,916	24	5,892
Wastewater	4,682	(3)	4,685
Telecomm	400	8	392

Residential Disconnects	Apr-20	FY20 To Date	FY19
Volume	0	6,950	14,076
Average Balance	\$0.00	\$252.47	\$246.88

Revenue Assurance	Apr-20	FY20 To Date	FY19
Referred to Collections	\$100,526.24	\$935,385.89	\$1,948,001.43
Recovered	\$71,594.86	\$450,671.21	\$796,259.96

Service Orders	Apr-20	FY20 To Date	FY19
Move Ins	6,200	46,549	109,537
Move Outs	6,057	45,825	109,795

Average Res Bill Amounts	Apr-20	FY20 To Date	FY19
Electric (kWh)	746	728	836
Electric (\$)	\$111.60	\$112.22	\$122.20
Gas (Therms)	14	24	19
Gas (\$)	\$27.55	\$39.33	\$32.72
Water (kGals)	6	5	6
Water (\$)	\$34.76	\$30.94	\$28.61
Wastewater (kGals)	5	5	7
Wastewater(\$)	\$38.53	\$38.07	\$34.25

5/13/2020

ENERGY DELIVERY

System Consumption

System Reliability

Major Projects – Electric & Gas

ENERGY DELIVERY - UAB REPORT - APRIL 2020

Durations Reliability Report Between 04/01/2020 and 04/30/2020

Excludes Extreme Weather and Generation/Transmission Disturbances

CUSTOMER DATA		RELIABILITY INDICES		MONTHLY AVG GOAL
Monthly Average Customers Served(C)	98,799	Average Service Availability Index (ASAI)	99.9726%	
Total Hours of Customer Demand	68,764,104	System Average Interruption Duration Index (SAIDI)	11.44	4.5
Total Number of Outages	64	Customer Average Interruption Duration Index (CAIDI)	96.4	55
Total Number of Customers Affected (CI)	11,729	System average Interruption Frequency Index (SAIFI)	0.12	0.08
Total Customer Minutes Interrupted (CMI)	1,130,701			
Total Customer "Out Minutes"	7,986	Average Length of a Service Interruption (L-Bar)	110.67 Mins	

Cause of Outages				
Cause	Overhead	Underground	Both	Total
0. Undetermined	1	0	1	2
1. Weather	4	0	1	5
2. Vegetation	25	0	0	25
3. Animals	4	0	0	4
4. Foreign Interference	0	0	0	0
5. Human Cause	4	1	0	5
6. Equipment Failure	7	8	2	17
7. All Remaining Outages	0	0	0	0
Total	45	9	4	58

Durations Reliability Report Between 01/01/2020 and 04/30/2020*

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

CUSTOMER DATA		RELIABILITY INDICES		GRU YTD GOALS
Monthly Average Customers Served(C)	98,799	Average Service Availability Index (ASAI)	99.9872%	
Total Hours of Customer Demand	284,541,120	System Average Interruption Duration Index (SAIDI)	22.14	18
Total Number of Outages	181	Customer Average Interruption Duration Index (CAIDI)	80.38	55
Total Number of Customers Affected (CI)	27,216	System average Interruption Frequency Index (SAIFI)	0.28	0.32
Total Customer Minutes Interrupted (CMI)	2,187,723			
Total Customer "Out Minutes"	39,387	Average Length of a Service Interruption (L-Bar)	217.61 Mins	

ENERGY DELIVERY - UAB REPORT - APRIL 2020

	GRU	GRU	EIA - All	EIA - Public	FMPA
	CY 20 Goal	CY 2019 Actual	CY 2018	CY 2018	CY 2019
SAIDI	54 Mins	56.72	143.37	63.12	74.51
CAIDI	55 Mins	66.8	75.86	78.98	60.89
SAIFI	0.96	0.85	1.82	0.85	1.230

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 23 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	9	0	3	12
1. Weather	4	0	1	5
2. Vegetation	74	1	3	78
3. Animals	11	0	1	12
4. Foreign Interference	0	0	0	0
5. Human Cause	15	6	2	23
6. Equipment Failure	15	20	10	45
7. All Remaining Outages	0	0	0	0
Total	128	27	20	175
* REPORTED AS CALENDAR YEAR				

ENERGY DELIVERY - UAB REPORT - APRIL 2020

Durations Reliability Report Between 04/01/2020 and 04/30/2020

	2020		2019	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Feed-In-Tariff - Residential	56 KWH	102	53 KWH	101
Feed-In-Tariff - General Service	1,968 KWH	157	2,282 KWH	156
Electric - GS - Demand - Regular	42,178,637 KWH	1,184	44,027,866 KWH	1,208
Electric - General Service Demand PV	1,023,448 KWH	22	734,014 KWH	19
GREC Startup Supplemental and Standby	53	69		
Electric - GS - Kanapaha w Curtail Cr	1,166,400 KWH	1	1,090,800 KWH	1
Electric - GS - Demand - Large Power	7,842,400 KWH	7	7,231,200 KWH	7
Electric - GS - Murphree Curtail Credit	1,516,800 KWH	1	1,437,600 KWH	1
Electric - GS Large Demand PV	3,568,800 KWH	2	3,297,600 KWH	2
Electric - GS - Non Demand	12,620,725 KWH	9,844	12,739,493 KWH	9,794
Electric - General Service PV	76,244 KWH	69	65,564 KWH	64
Electric - Lighting - Rental	934,764 KWH	4,510 <i>n</i>	982,090 KWH	4,230 <i>n</i>
Electric - Lighting - Street - City	609,298 KWH	12 <i>n</i>	729,519 KWH	13 <i>n</i>
Electric - Lighting - Street - County	131,492 KWH	2 <i>n</i>	171,447 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	62,670,838 KWH	86,660	51,968,354 KWH	85,852
Electric - Residential PV	194,804 KWH	449	113,582 KWH	354
Total Retail Electric	134,541,216 KWH	98,500	124,596,006 KWH	97,559
(n =not included in total customer count)				
City of Alachua	9,384,000 KWH KWH	21,692 KW	9,598,000 KWH	21,149 KW
Total (Native) Electric	143,925,216 KWH		134,194,006 KWH	

Gas System Consumption

	2020		2019	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Gas - GS - Regular Service (Firm)	590,919 THM	1,366	678,549 THM	1,386
Gas - GS - Regular Service (Small)	6,354 THM	316	10,505 THM	290
Gas - GS - Interruptible - Regular Serv	16,000 THM	1	23,386 THM	1
Gas - GS - Interruptible - Large Volume	424,872 THM	7	5,766 THM	6
Gas - Residential - Regular Service	465,085 THM	34,187	600,531 THM	33,930
Total Retail Gas	1,503,230 THM	35,877	1,318,737 THM	35,613
Gas - GS - UF Cogeneration Plant	3,217,301 THM	1	768,280 THM	1
Gas - Residential - LP - Basic Rate	3,273 GAL	203	3,314 GAL	202

YTD GOALS

*Obtained from Monthly Billing Summary prepared by Todd Kamhoo.

ENERGY DELIVERY - UAB REPORT - APRIL 2020

Durations Reliability Report Between 04/01/2020 and 04/30/2020

Major Electric Design Projects

West

- > 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)
- > FDOT Light Project / Signalization Project-SR26

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 – Greystone Health and Rehab - SW 41st Pl - 1800'
- > Main Installation – NW 12th St - 1960'
- > Main Installation – Oakmont Subdivision – ongoing – 10600'
- > Main Installation - Kingston Pl. Subdivision – NW 25th Ave – 5100'

ENERGY SUPPLY

SYSTEM STATISTICS

ENERGY DISTRIBUTION

FUEL

April 2020

Source

Energy Supply - CAPACITY

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
-	164,303	262,887	(98,584)
22,359	64,817	10,790	54,027
74,633	384,894	524,638	(139,744)
699	1,421	87	1,334
5,662	16,834	88,985	(72,151)
35,952	234,655	110,464	124,191

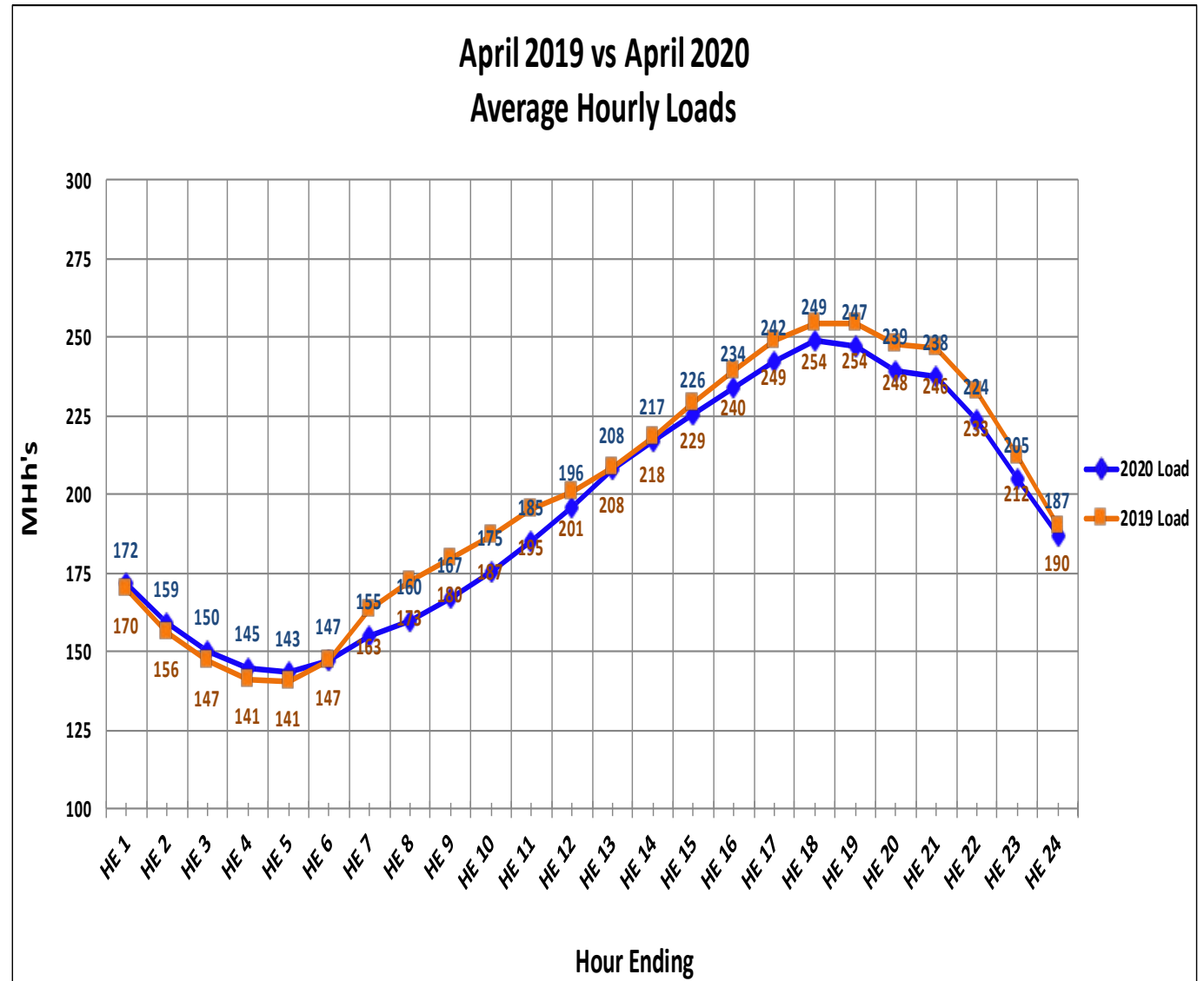
Fuels Consumed

	Month	FYTD	Budget YTD	Delta Budget
Coal - Tons	100	53,956	144,665	(90,709)
Gas - MCF	926,958	6,141,083	4,718,087	1,422,996
Fuel oil - Gals	-	1,327	-	1,327
Biomass - Tons	51,505	347,372	143,353	204,019

Availability/Capacity

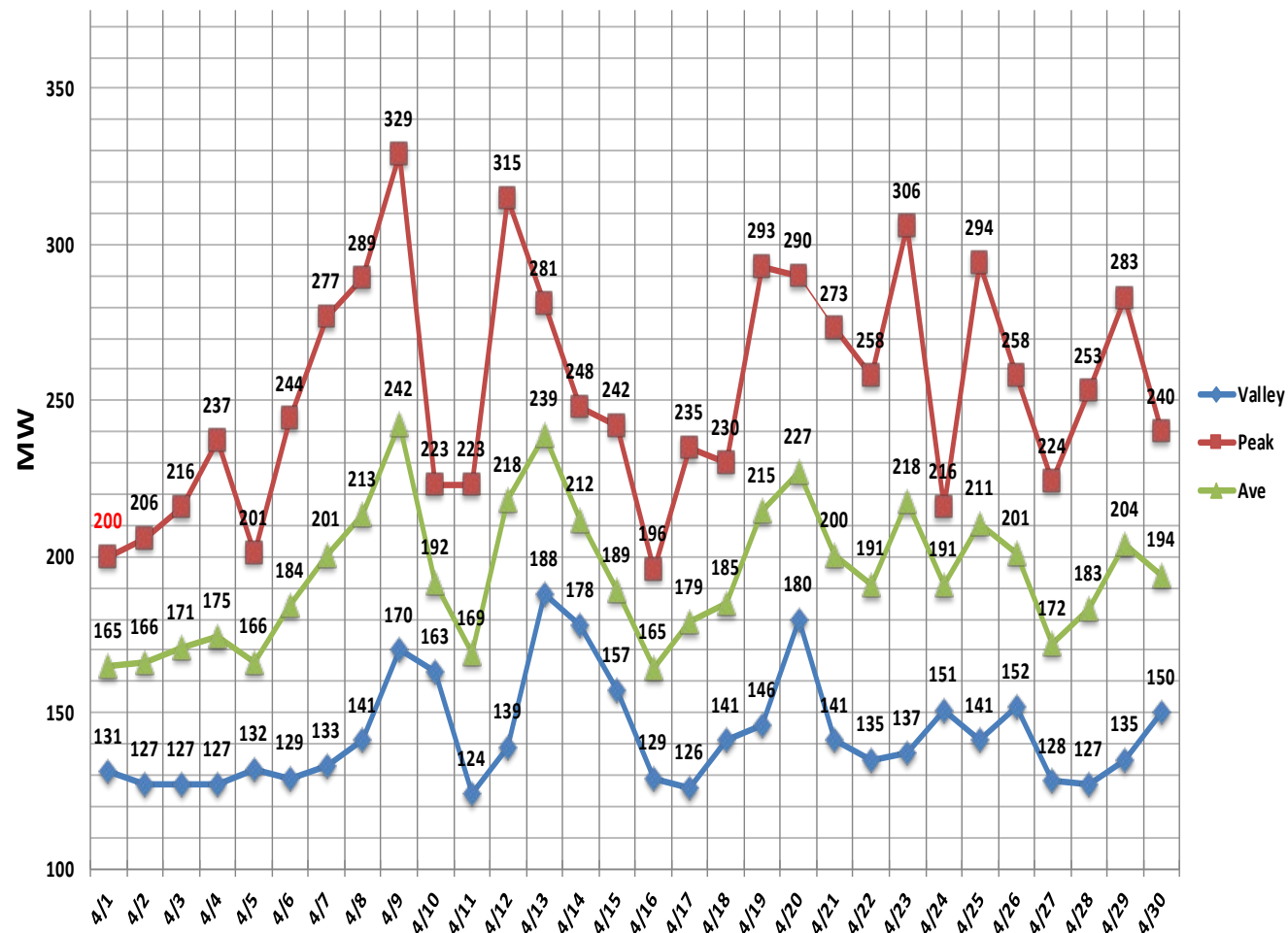
	Availability			Capacity		
	Month	FY 2020 YTD	FY 2019 YTD	Month	FY 2020 YTD	FY 2019 YTD
DH-2	1.38%	68.50%	82.73%	0.24%	15.66%	31.40%
DH-1	98.85%	89.09%	99.51%	42.82%	24.92%	25.55%
Kelly CC	100.00%	92.20%	79.48%	96.44%	85.43%	51.87%
DH CT-1	100.00%	96.79%	99.50%	0.00%	0.35%	0.18%
DH CT-2	81.03%	97.05%	95.50%	0.00%	0.35%	0.12%
DH CT-3	99.40%	99.36%	84.50%	1.22%	0.22%	1.44%
DHR	99.21%	87.63%	90.17%	52.76%	52.72%	71.92%

April Average Hourly Loads		
Hour Ending	2019 Load	2020 Load
HE 1	170	172
HE 2	156	159
HE 3	147	150
HE 4	141	145
HE 5	141	143
HE 6	147	147
HE 7	163	155
HE 8	173	160
HE 9	180	167
HE 10	187	175
HE 11	195	185
HE 12	201	196
HE 13	208	208
HE 14	218	217
HE 15	229	226
HE 16	240	242
HE 17	249	249
HE 18	254	254
HE 19	254	247
HE 20	248	239
HE 21	246	238
HE 22	233	224
HE 23	212	205
HE 24	190	187

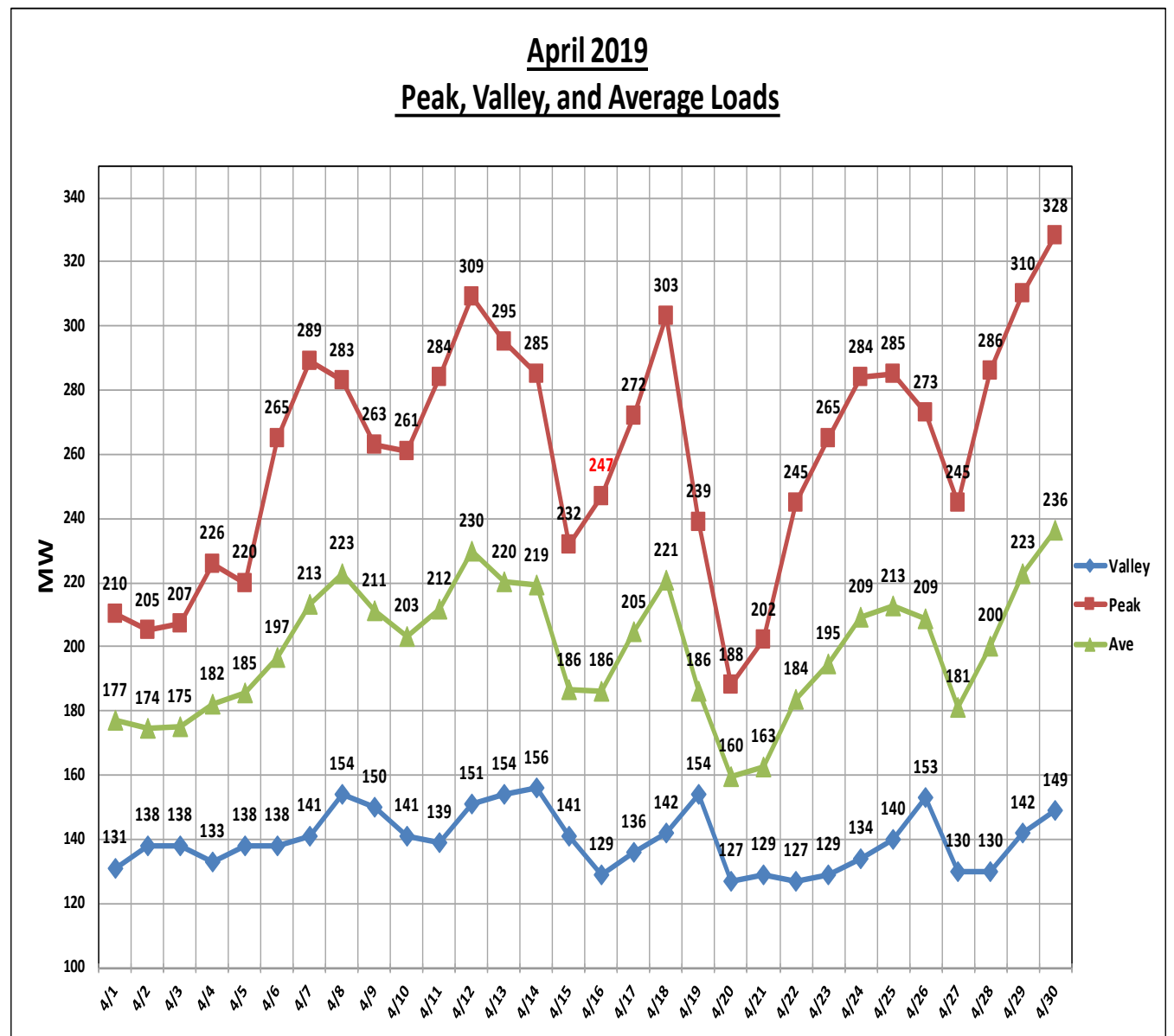


Date	Valley	Peak	Ave
4/1/2020	131	200	165
4/2/2020	127	206	166
4/3/2020	127	216	171
4/4/2020	127	237	175
4/5/2020	132	201	166
4/6/2020	129	244	184
4/7/2020	133	277	201
4/8/2020	141	289	213
4/9/2020	170	329	242
4/10/2020	163	223	192
4/11/2020	124	223	169
4/12/2020	139	315	218
4/13/2020	188	281	239
4/14/2020	178	248	212
4/15/2020	157	242	189
4/16/2020	129	196	165
4/17/2020	126	235	179
4/18/2020	141	230	185
4/19/2020	146	293	215
4/20/2020	180	290	227
4/21/2020	141	273	200
4/22/2020	135	258	191
4/23/2020	137	306	218
4/24/2020	151	216	191
4/25/2020	141	294	211
4/26/2020	152	258	201
4/27/2020	128	224	172
4/28/2020	127	253	183
4/29/2020	135	283	204
4/30/2020	150	240	194

April 2020
Peak, Valley, and Average Loads



Date	Valley	Peak	Ave
4/1/2019	131	210	177
4/2/2019	138	205	174
4/3/2019	138	207	175
4/4/2019	133	226	182
4/5/2019	138	220	185
4/6/2019	138	265	197
4/7/2019	141	289	213
4/8/2019	154	283	223
4/9/2019	150	263	211
4/10/2019	141	261	203
4/11/2019	139	284	212
4/12/2019	151	309	230
4/13/2019	154	295	220
4/14/2019	156	285	219
4/15/2019	141	232	186
4/16/2019	129	247	186
4/17/2019	136	272	205
4/18/2019	142	303	221
4/19/2019	154	239	186
4/20/2019	127	188	160
4/21/2019	129	202	163
4/22/2019	127	245	184
4/23/2019	129	265	195
4/24/2019	134	284	209
4/25/2019	140	285	213
4/26/2019	153	273	209
4/27/2019	130	245	181
4/28/2019	130	286	200
4/29/2019	142	310	223
4/30/2019	149	328	236



Major Energy Supply Projects/Milestones Updates:

1. Deerhaven Generating Station (DH):
 - a. Deerhaven Unit #2 (DH2) came out of planned outage on 4/30/2020. Once the unit was brought online the first time electrically it was determined that a balance weight shot was required to reduce bearing vibration levels on bearings #4, #5 and #7. Balance shot installed 5/1/2020 and subsequent run showed enough improvement to not require any other adjustments. Unit was brought back on line on 5/2/2020 and subsequently released to full load capability service on 5/3/2020.
 - b. 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. Due to COVID 19 there have been some delays in the study process, and we are expecting some draft study results soon with draft report by end of May 2020. We will brief the COO/GM on results as soon as we have validated information to present.
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. Monitoring closely for any COVID 19 implications.
3. Deerhaven Renewable(DHR):
 - a. Boiler Feed Pump B Discharge Valve Motor Operated Valve (MOV) had a packing leak that required an outage to repair. Unit was shutdown late Sunday(5/2/2020) after DH2 was fully released. Once unit was shutdown there was a discovery that the turbine control valve packing also needed to be replaced. These repairs are in progress and expect unit to be released 5/7/2020.
4. South Energy Center (SEC):
 - a. Wartsila Engine 22,000 hour planned outage was completed 4/21/2020.
5. Other:
 - a. The Solar Intent to Negotiate (ITN) negotiation process is complete and ready to present results to UAB/CCOM when meetings restored. A UAB ZOOM Meeting is being coordinated for 5/11/2020 from 1:30 to 3:30 pm.

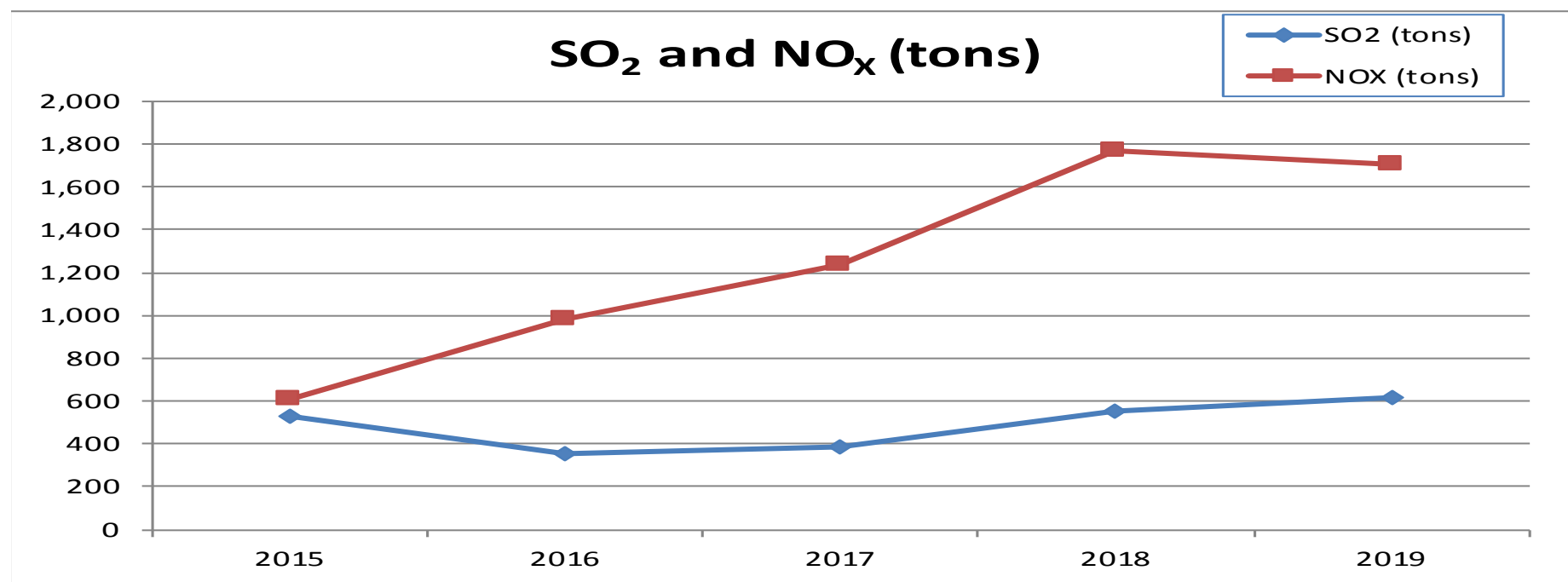
ENVIRONMENTAL PERMITTING

EMISSIONS DATA

Yearly Emissions

	SO ₂ (tons)	NO _x (tons)	Mercury (lbs)	PM (tons)	CO ₂ (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 (Apr.)	33	251	0.22	3	507,552

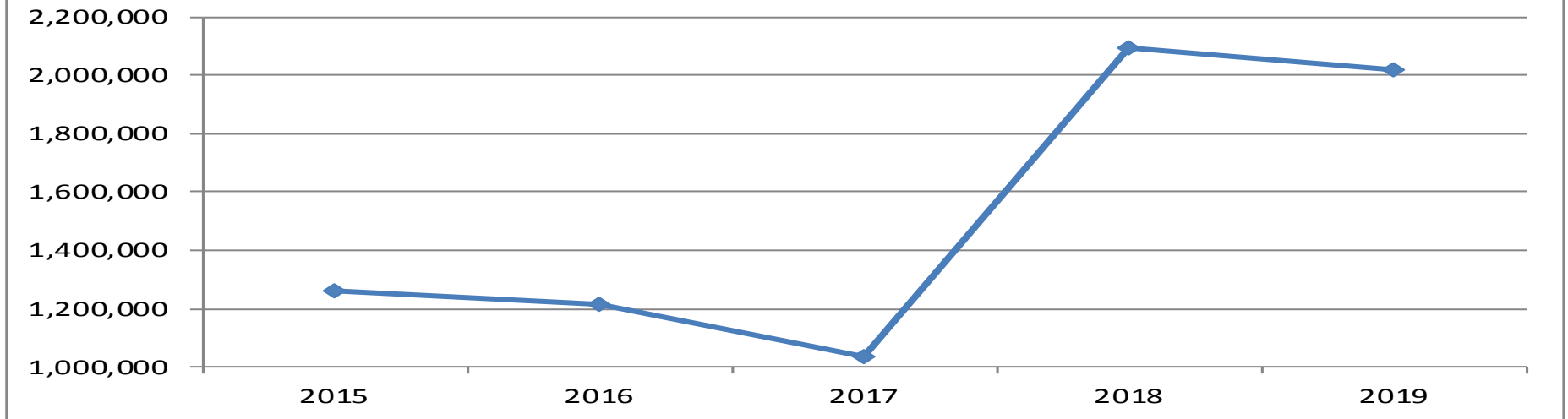
2017, 2018, 2019 and 2020 Mercury and Particulate values are for Unit 2 only.



SO₂ lower in 2015, 2016, 2017 due to higher removal rate settings to comply with the MATS Rule. NO_x was higher in 2016 as it was more cost effective to use allowances than increase SCR. 2018 and later data include DHR. The previous years did not include DHR.

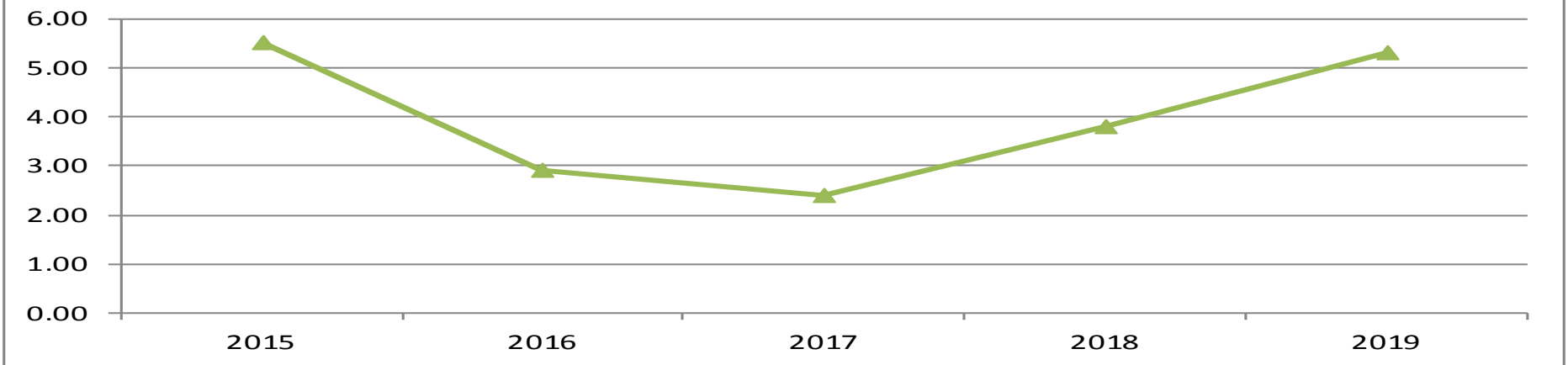
Yearly Emissions

CO₂ (tons)



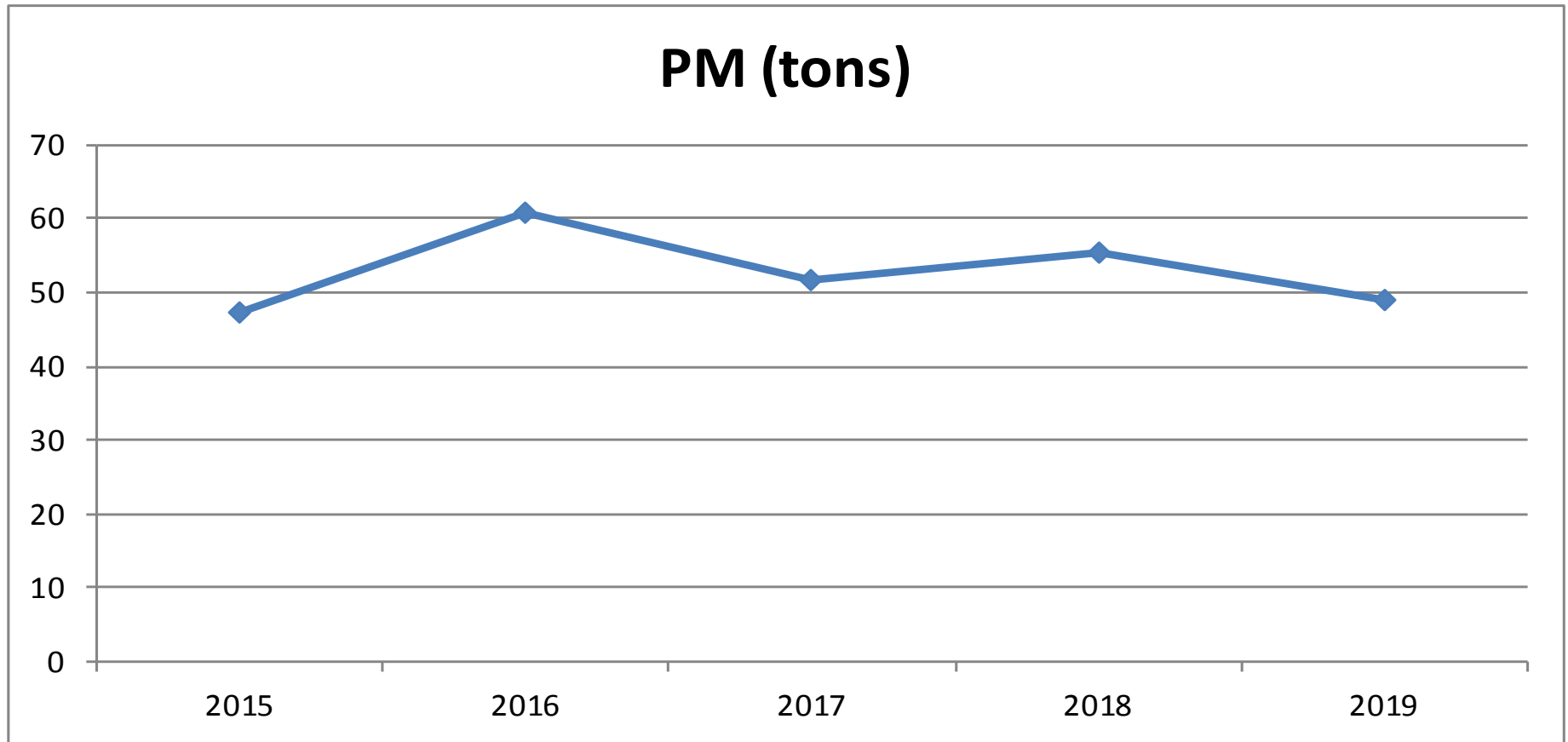
2018 and later data include DHR. The previous years did not include DHR.

Mercury (lbs)



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

Yearly Emissions



YTD - 2020 April

	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	0.3	77.3			59,884.4			1,007,657.0	86,976.0
DH2	27.0	63.6	0.22	3.4	35,914.8			425,583.0	39,735.0
DHCT3	0.0	0.2			984.3			16,595.0	1,114.0
JRKCC1	0.7	32.3			141,198.3			2,375,920.0	284,643.0
DHR	5.0	77.3			269,570.0			2,583,710.4	181,252.5
TOTAL	33.0	250.7	0.215	3.4	507,551.8			6,409,465.4	593,720.5

2020 - April

	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	0.1	22.8			17,728.8			298,320.0	24,524.0
DH2	0.0	0.2	0.00	0.0	236.8			3,183.0	434.0
DHCT3	0.0	0.1			622.0			10,469.0	701.0
JRKCC1	0.2	8.3			39,160.1			658,923.5	75,250.0
DHR	1.2	20.3			65,393.4			626,913.2	43,355.3
TOTAL	1.5	51.7	0.0	0.0	123,141.1			1,597,808.7	144,264.3

WATER/WASTEWATER

PRODUCTION

MAINTENANCE

Water/Wastewater April 2020 Dashboard

Production						
Murphree Water Treatment Plant						
		April 2020	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	22.2	22.2	30	74%	
	Peak Daily Flow	24.9	25.2	54	47%	
Main Street Water Reclamation Facility						
		April 2020	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	5.2	5.6	7.5	75%	
Kanapaha Water Reclamation Facility						
		April 2020	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	10.7	11.4	14.9	76%	
Water Reclamation Facilities (Combined)						
		April 2020	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	15.9	17.0	22.4	76%	
Maintenance						
Wastewater Collections						
		Apr 2020 (Miles)	FYTD	Monthly Goal (miles)		
	Miles of gravity mains cleaned	2.4	31.30	5.0		
	Miles of gravity mains TV inspected	14.9	50.53	5.0		
Water Distribution						
		Apr 2020	FYTD	Monthly Goal		
	Number of Water Services Replaced	89	490	75		
SSO Monthly Summary						
		April	YTD	GOAL (annual)		
	Sanitary Sewer Overflows	2	13	<22		

Major Projects and Other Updates

MWTP Electric System Upgrade - The MWTP is now operating on the new electrical system. The old equipment is being demolished and removed. The project is close to substantial completion.

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

Gravity Sewer Lining - Significant lining work is underway with most recent projects to kickoff.

Eastside Force Main - Upgrading and adding capacity to a force main east of Waldo Road. Project to be completed this summer.

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

Meter Replacement Program - completed changeout of over 4,400 meters meeting the annual goal.