

STATE OF THE UTILITY

July 2020

Item #200382

OPERATIONS SUMMARY

CORPORATE SAFETY

ENVIRONMENTAL

REGULATORY

PERSONNEL

July 2020

Safety

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

Employees

First Aid	Year to Date Recordable	DART
1	0	0
3	5	2
2	2	1
1	3	3
0	0	0
	10	

	Miles Driven*	Current Month Recordable	Preventable
Administration	10,352	0	0
W/WW Systems	78,551	1	1
Energy Supply	2,812	0	0
Energy Delivery - Electric/Gas	99,870	1	0
GRUCom	8,071	0	0
Totals	199,656	2	1

*Mileage data is for June 2020. July mileage data will be included in August report.

Vehicles

Miles Driven*	Year to Date Recordable	Preventable
104,180	0	0
675,655	7	5
22,518	0	0
943,344	8	4
72,777	0	0
1,818,474	15	9

Mileage YTD through June 2020

Environmental

	Current Month
Notices of Violation	0

Calendar Year to Date
0

Emissions

DH1, DH2, DHCT3, JRKCC1

CO ₂ (tons)	91,882
NO _x (tons)	84
SO ₂ (tons)	35

417,512
349
89

DH Unit 2 (only)

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

11
0.96

DHR

CO ₂ (tons)	70,085
NO _x (tons)	23
SO ₂ (tons)	1

475,305
143
9

Regulatory

NERC

Notice of Violations	0
Self Reports/Potential Violations	0

1
6

Personnel

Row Labels	AUTHORIZED_FTE	FILLED_FTE	VACANCY	Last Month (June)
Administration	16.00	13.00	3.00	4.00
Chief Operating Officer	20.00	19.00	1.00	1.00
Customer Support Services	118.25	108.25	10.00	8.00
Energy Delivery	264.00	250.00	14.00	14.00
Energy Supply	182.00	166.00	16.00	15.00
Energy Supply - District Energy	11.00	11.00	0.00	0.00
Finance	42.00	29.00	13.00	13.00
GRUCom	38.00	29.00	9.00	9.00
Information Technology	71.00	64.00	7.00	7.00
Water Wastewater	168.00	163.00	5.00	5.00
Grand Total	930.25	852.25	78.00	76.00

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

MAY

- 5/13/2020 – Employee cut his left finger when guided wire came up against his hand while removing old material. Stiches in finger. (DART)
- 5/21/2020 – Employee strained lower back while putting a test set in work van. RD started 6/1/20. (DART)

JUNE

- 6/16/2020 – While loosening a bolt, employee put his hand behind the bolt to loosen it. When the bolt spun, it ripped off the nail of the left index finger.

JULY

- None reported

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

- 4/10/2020 – Private vehicle backed out in front of GRU vehicle, scuffing GRU vehicle's front left bumper and doing minor damage on private vehicles left rear quarter panel.
- 4/21/2020 – Employee pulled off to the edge of a narrow lane to allow a delivery vehicle to pass and did not notice a short wall that was contacted on the passenger's side of the vehicle. (P)
- 4/22/2020 – Employee pulled off to the edge of a narrow lane to allow a landscape truck and trailer to pass, and the trailer contacted our rear bumper on the left side as it passed by causing damage to the bumper only.
- 4/22/2020 – Stopped at the intersection on his way into work. After allowing a car to go by, he started to pull out, but a large P/U came around the curve at high speed, the employee could not get out into the lane fast enough, so he backed out of the way, colliding with a car behind him. no injuries. (P)
- 4/30/2020 – After pulling out of a construction site, the driver of a GRU service truck stopped to talk to another operator. He started to back up not knowing a USPS delivery truck had pulled up

behind him. Our truck made contact with the USPS front bumper before stopping. There was no damage to either vehicle and no injury. (P)

MAY

- 5/16/2020 – While repairing a water leak, a citizen asked the employee to move his vehicle. As he was backing up, he scraped a line of paint off the rear right bin door against a metal sign that extended over the curb. (P)
- 5/26/2020 – Employee turned to sharp and ran up on a raised median and struck a fire hydrant with the passenger side of her truck causing minor damage to hydrant and truck. (P)

JUNE

- 6/22/2020 – Employee sitting at red light and let his foot slip off break causing truck to roll forward. The cone rack on the front of the truck struck the back lift gate causing minor damage. (P)
- 6/24/2020 – Employee was stopped in traffic and was rear ended by a car. No damage to city vehicle, lot of damage to front end of other vehicle.

JULY

- 7/28/2020 – Employee was stopped at red light and was rear ended by another car. Damage to both vehicles.
- 7/30/2020 – When approaching the north EOC gate driving a dump truck, the gate the gate did not open. He backed up to get a better angle on the sensor, but another GRU employee in a pick-up truck had pulled up behind him. When the two trucks made contact, there was minor damage to the grill and front edge of the hood. (P)

End of FY 2020

CUSTOMER SUPPORT SERVICES

Customer Operations

New Services

Revenue Assurance

Customer Operations Metrics Summary July 2020

Active Accounts	Jul-20	YTD Gain/Loss	FY19
<i>Residential Contract Accounts</i>			
Total	93,327	1,504	91,823
Electric	86,240	1,176	85,064
Gas	34,181	376	33,805
Water	64,135	555	63,580
Wastewater	59,962	476	59,486
Telecomm	97	(20)	117

New Installations	Jul-20	FY20 To Date	FY19
Electric	521	1960	1393
Gas	41	460	512
Water	64	613	654
Wastewater	59	541	614
Telecomm	14	122	141

Call Center Volume	Jul-20	FY20 To Date	FY19
Residential ASA	0:09:01	0:02:59	0:06:26
Business ASA	0:07:34	0:02:07	0:02:49
CSR Calls	21,618	150,113	151,278
CSR Callbacks	3,514	5,862	19,343
IVR Self Service	0	150,574	227,577
Total	25,132	306,549	398,198
IVR/Total	0%	49%	57%

Bills Generated	Jul-20	FY20 To Date	FY19
Paper Bills	110,719	1,093,335	1,278,441
eBills	20,727	197,947	212,879
Total	131,446	1,291,282	1,491,320
eBill/Total	16%	15%	14%

Payment Arrangements	Jul-20	FY20 To Date	FY19
Total	576	4,266	9,797

Active Accounts	Jul-20	YTD Gain/Loss	FY19
<i>Nonresidential Contract Accounts</i>			
Total	13,636	40	13,596
Electric	11,042	17	11,025
Gas	1,663	6	1,657
Water	5,921	29	5,892
Wastewater	4,682	(3)	4,685
Telecomm	401	9	392

Residential Disconnects	Jul-20	FY20 To Date	FY19
Volume	0	6,950	14,076
Average Balance	\$0.00	\$168.32	\$246.88

Revenue Assurance	Jul-20	FY20 To Date	FY19
Referred to Collections	\$102,069.46	\$1,223,309.76	\$1,948,001.43
Recovered	\$65,022.99	\$657,027.08	\$796,259.96

Service Orders	Jul-20	FY20 To Date	FY19
Move Ins	16,956	80,542	109,537
Move Outs	17,441	79,915	109,795

Average Res Bill Amounts	Jul-20	FY20 To Date	FY19
Electric (kWh)	1,094	782	836
Electric (\$)	\$157.82	\$118.28	\$122.20
Gas (Therms)	10	20	19
Gas (\$)	\$22.94	\$34.77	\$32.72
Water (kGals)	5	5	6
Water (\$)	\$33.18	\$31.60	\$28.61
Wastewater (kGals)	5	5	7
Wastewater(\$)	\$37.35	\$37.90	\$34.25

8/13/2020

ENERGY DELIVERY

System Consumption

System Reliability

Major Projects – Electric & Gas

ENERGY DELIVERY - UAB REPORT - JULY 2020

Durations Reliability Report Between 07/01/2020 and 07/31/2020

Excludes Extreme Weather and Generation/Transmission Disturbances

CUSTOMER DATA		RELIABILITY INDICES	MONTHLY AVG GOAL
Monthly Average Customers Served(C)	99,535	Average Service Availability Index (ASAI)	99.9906%
Total Hours of Customer Demand	71,665,200	System Average Interruption Duration Index (SAIDI)	4.08
Total Number of Outages	83	Customer Average Interruption Duration Index (CAIDI)	56.78
Total Number of Customers Affected (CI)	7,145	0.07	0.08
Total Customer Minutes Interrupted (CMI)	405,670		
Total Customer "Out Minutes"	8,148	Average Length of a Service Interruption (L-Bar)	98.17 Mins

Cause of Outages				
Cause	Overhead	Underground	Both	Total
0. Undetermined	10	1	0	11
1. Weather	8	0	0	8
2. Vegetation	24	0	0	24
3. Animals	3	0	0	3
4. Foreign Interference	0	0	0	0
5. Human Cause	4	2	0	6
6. Equipment Failure	18	11	1	30
7. All Remaining Outages	0	0	0	0
Total	67	14	1	82

Durations Reliability Report Between 01/01/2020 and 07/31/2020*

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

CUSTOMER DATA		RELIABILITY INDICES	GRU YTD GOALS
Monthly Average Customers Served(C)	99,535	Average Service Availability Index (ASAI)	99.9888%
Total Hours of Customer Demand	506,434,080	System Average Interruption Duration Index (SAIDI)	34.32
Total Number of Outages	411	Customer Average Interruption Duration Index (CAIDI)	64.78
Total Number of Customers Affected (CI)	52,739	System average Interruption Frequency Index (SAIFI)	0.53
Total Customer Minutes Interrupted (CMI)	3,416,282		

ENERGY DELIVERY - UAB REPORT - JULY 2020

Total Customer "Out Minutes"	66,565 Average Length of a Service Interruption (L-Bar)	161.96 Mins
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ENERGY DELIVERY - UAB REPORT - JULY 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	27	2	3	32
1. Weather	16	0	1	17
2. Vegetation	156	2	4	162
3. Animals	22	0	2	24
4. Foreign Interference	0	0	0	0
5. Human Cause	24	12	2	38
6. Equipment Failure	54	65	18	137
7. All Remaining Outages	0	0	0	0
Total	299	81	30	410
* REPORTED AS CALENDAR YEAR				

ENERGY DELIVERY - UAB REPORT - JULY 2020

Durations Reliability Report Between 07/01/2020 and 07/31/2020

	2020		2019	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Feed-In-Tariff - Residential	54 KWH	101	57 KWH	102
Feed-In-Tariff - General Service	2,305 KWH	157	2,303 KWH	156
Electric - GS - Demand - Regular	52,828,217 KWH	1,173	56,620,563 KWH	1,218
Electric - General Service Demand PV	1,017,072 KWH	22	896,496 KWH	20
Electric - GS - Kanapaha w Curtail Cr	1,132,800 KWH	1	1,060,800 KWH	1
Electric - GS - Demand - Large Power	8,458,080 KWH	7	7,458,600 KWH	5
Electric - GS - Murphree Curtail Credit	1,432,800 KWH	1	1,473,600 KWH	1
Electric - GS Large Demand PV	4,324,800 KWH	2	4,557,600 KWH	2
Electric - GS - Non Demand	17,770,189 KWH	9,880	17,589,642 KWH	9,879
Electric - General Service PV	165,592 KWH	72	170,698 KWH	63
Electric - Lighting - Rental	937,322 KWH	4,015 n	986,649 KWH	4,143 n
Electric - Lighting - Street - City	597,750 KWH	12 n	717,641 KWH	12 n
Electric - Lighting - Street - County	131,462 KWH	2 n	150,444 KWH	2 n
Electric - Lighting - Traffic	4,542 KWH	2	4,542 KWH	2 n
Electric - Residential - Non TOU	94,167,697 KWH	88,629	85,771,116 KWH	88,541
Electric - Residential PV	424,299 KWH	464	329,499 KWH	371
Total Retail Electric	183,394,981 KWH	100,511	177,790,250 KWH	100,359
(n =not included in total customer count)				
City of Alachua	13,927,605 KWH KWH	28,012 KW	13,626,000 KWH	28,327 KW
Total (Native) Electric	197,322,586 KWH		191,416,250 KWH	

Gas System Consumption

	2020		2019	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Gas - GS - Regular Service (Firm)	565,009 THM	1,363	555,787 THM	1,376
Gas - GS - Regular Service (Small)	4,333 THM	311	5,033 THM	302
Gas - GS - Interruptible - Regular Serv	18,160 THM	1	0 THM	0
Gas - GS - Interruptible - Large Volume	372,735 THM	7	352,353 THM	7
Gas - Residential - Regular Service	345,209 THM	34,621	276,538 THM	34,452
Total Retail Gas	1,305,446 THM	36,303	1,189,711 THM	36,137
Gas - GS - UF Cogeneration Plant	2,910,875 THM	1	2,925,821 THM	1
Gas - Residential - LP - Basic Rate	2,581 GAL	204	2,169 GAL	203

*Obtained from Monthly Billing Summary prepared by Todd Kamhoot.

ENERGY DELIVERY - UAB REPORT - JULY 2020

Durations Reliability Report Between 07/01/2020 and 07/31/2020

Major Electric Design Projects

West

- > Celebration Pointe (Commercial & Residential Development)
- > AVMED & UF at NW 39th Ave - TACTICS - Reliability Improvement
- > Tower Road Mixed Use Development (Market's West)/Grand Oaks (Phase 2 single family residences)
- > Reliability Improvements - TACTICS - Recloser installations in multiple circuits (1037, 1034, 931)
- > 8th Ave OH to UG Conversion (Ph. 3)
- > FDOT Light Project / Archer Road / FDOT Road Project

East

- > Murphree Water Plant (OH to UG Conversion and rebuilt)
- > CRA Heartwood Subdivision (former Kennedy Homes)
- > Hub on Campus I (8 story mixed-use development)
- > One College Park (apartments)
- > Airport OH to UG conversion Project

Major Gas Design Projects:

- > Main Installation – Main Installation - Town of Tioga Ph 19 - 1570'
- > Main Installation – Oakmont Subdivision – ongoing – 10600'
- > Main Installation – Copeland Park – Alachua – 2100'
- > Florida Public Service Commission annual inspection.

ENERGY SUPPLY

SYSTEM STATISTICS

ENERGY DISTRIBUTION

FUEL

July 2020

Energy Supply - CAPACITY

Energy Supply - Performance Parameter

Source

	Unit Capability output - MWn	Month	YTD	Budget YTD	Delta Budget
DH-2	228	45,148	285,372	432,589	(147,217)
DH-1	75	30,849	133,419	21,621	111,798
Kelly CC	108	78,244	588,346	757,292	(168,946)
CT's	106	153	2,125	551	1,574
Grid	2 x 224	12,505	63,300	120,938	(57,638)
DHR	102.5	38,427	349,249	227,535	121,714

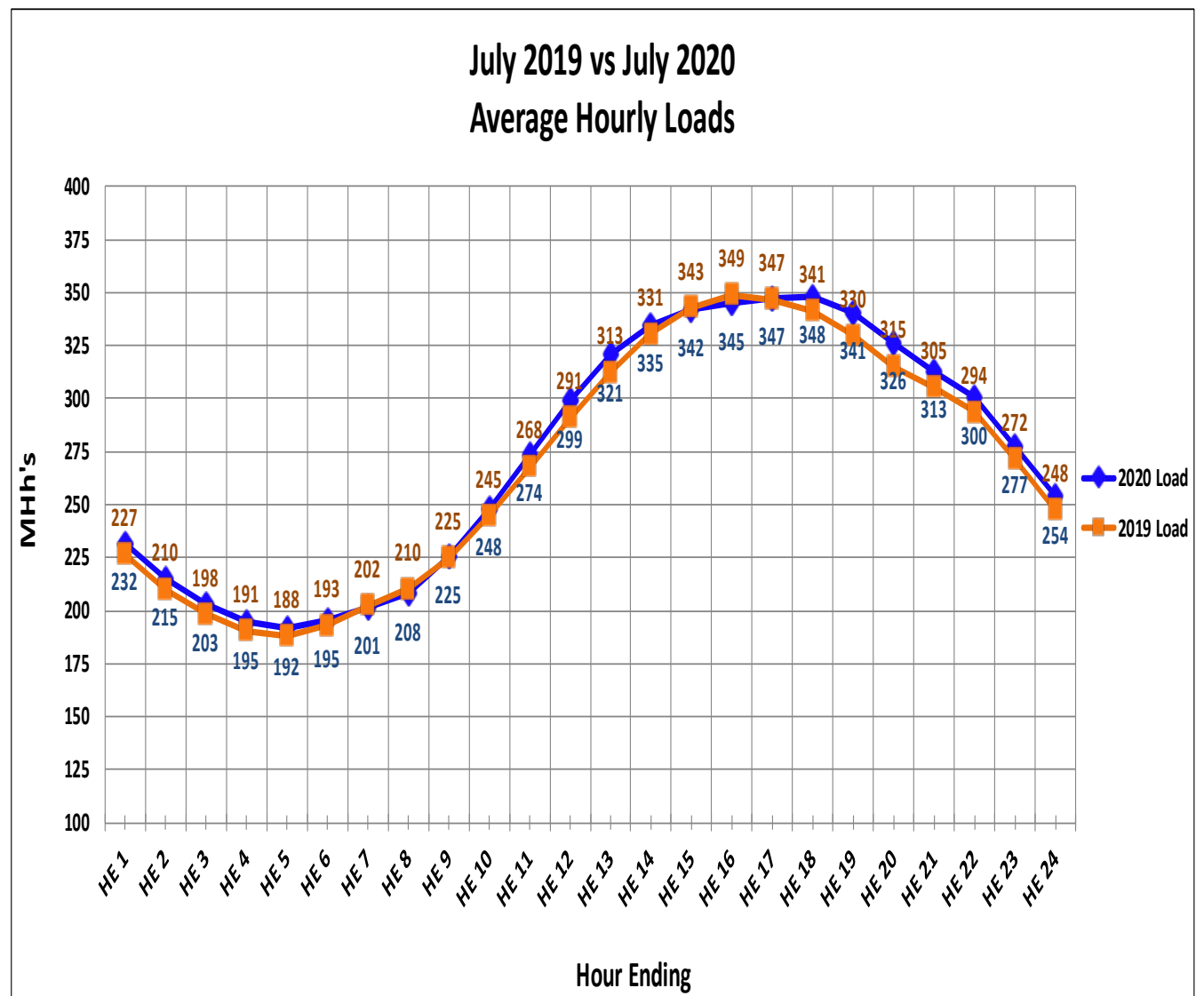
Fuels Consumed

	Month	FYTD	Budget YTD	Delta Budget
Coal - Tons	14,061	92,368	237,858	(145,490)
Gas - MCF	1,293,353	9,446,247	6,880,819	2,565,429
Fuel oil - Gals	-	1,327	-	1,327
Biomass - Tons	54,073	507,578	288,588	218,991

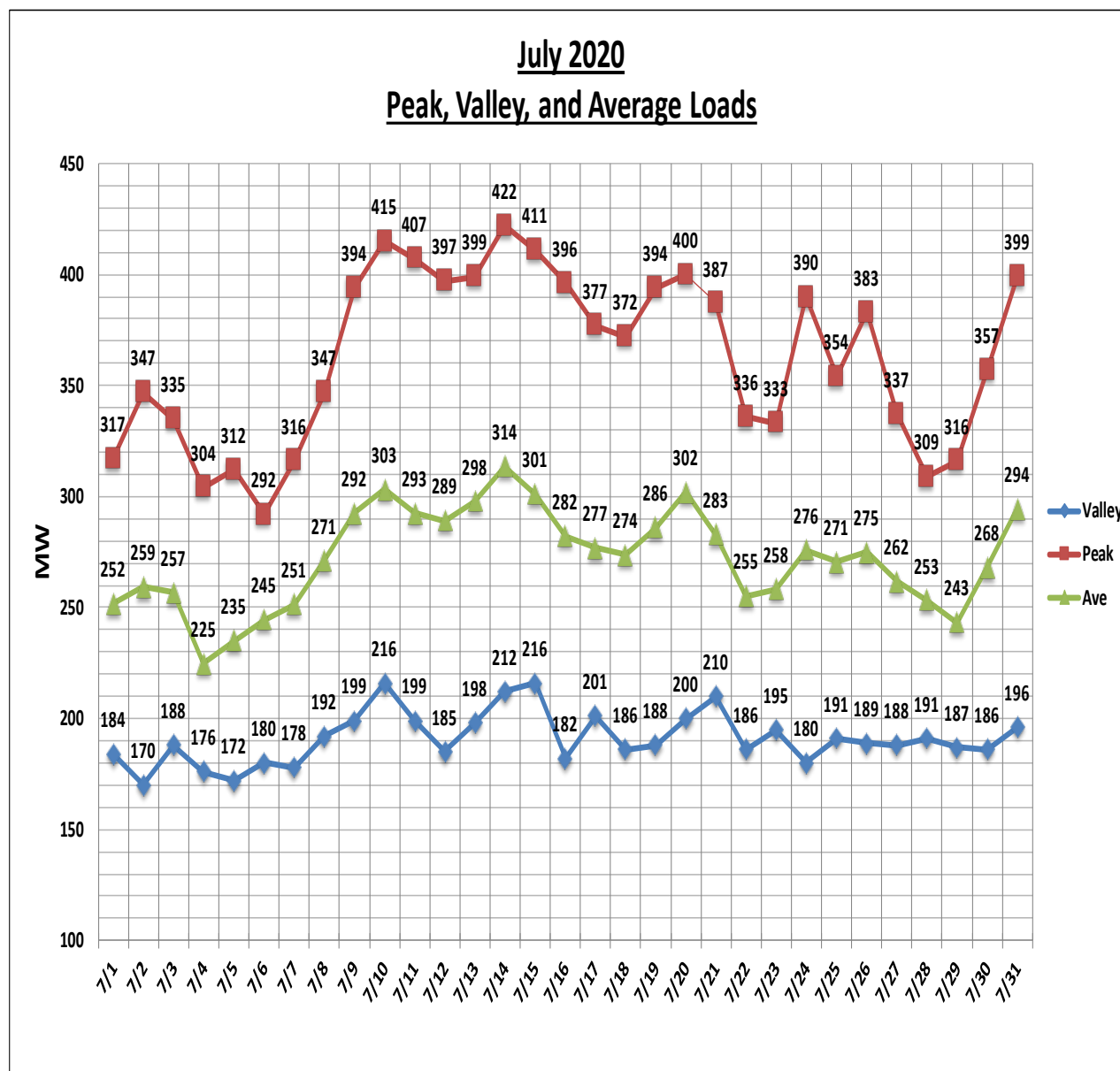
Availability/Capacity

	Availability			Capacity		
	Month	FY 2020 YTD	FY 2019 YTD	Month	FY 2020 YTD	FY 2019 YTD
DH-2	99.78%	75.80%	82.73%	29.53%	18.97%	31.40%
DH-1	100.00%	90.35%	99.51%	56.50%	30.10%	25.55%
Kelly CC	100.00%	92.97%	79.48%	96.69%	85.53%	51.87%
DH CT-1	91.52%	96.88%	99.50%	0.00%	0.25%	0.18%
DH CT-2	82.49%	96.19%	95.50%	0.01%	0.26%	0.12%
DH CT-3	100.00%	99.56%	84.50%	0.20%	0.26%	1.44%
DHR	99.50%	90.18%	90.17%	54.39%	52.24%	71.92%

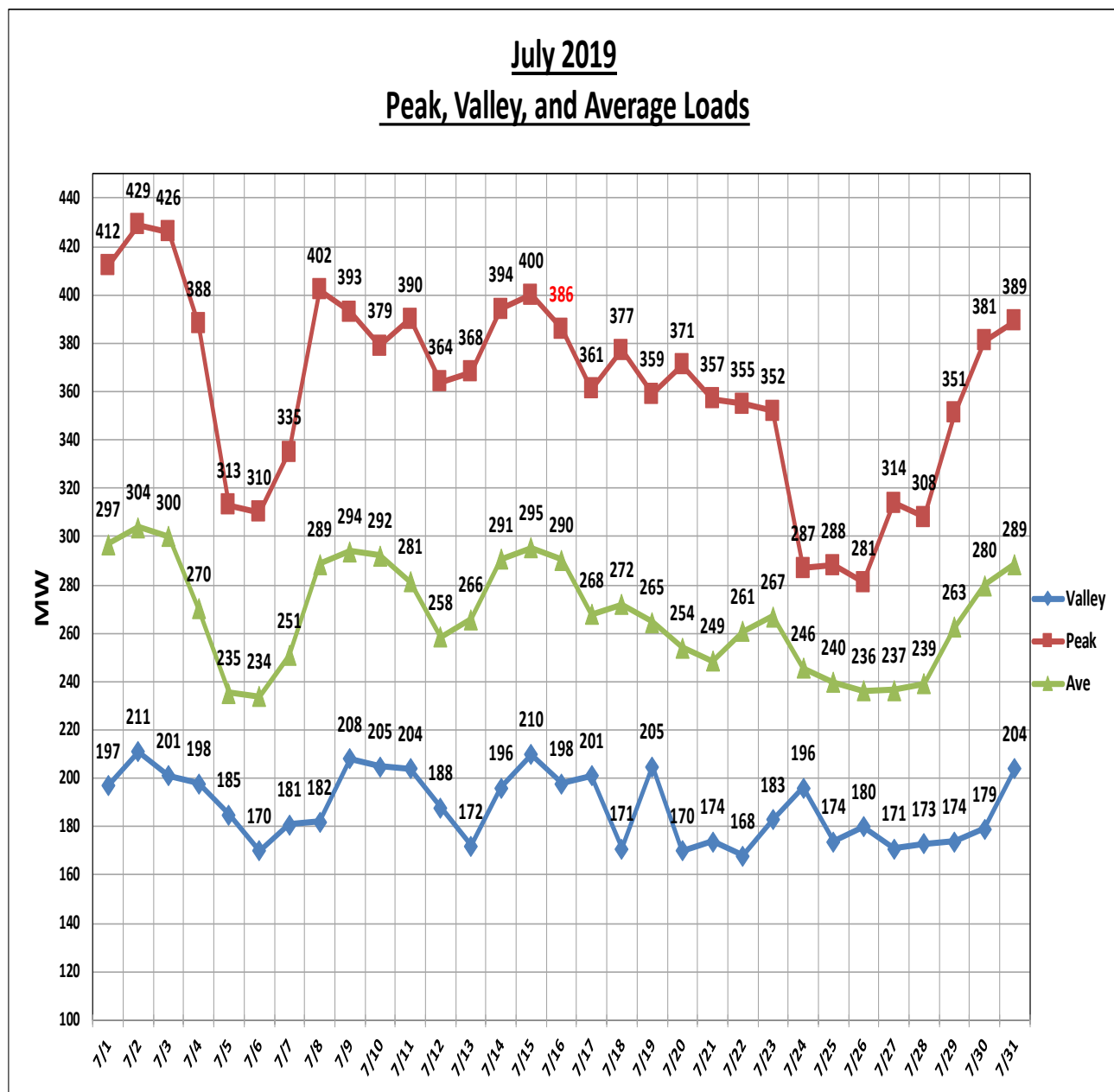
July Average Hourly Loads		
Hour Ending	2019 Load	2020 Load
HE 1	227	232
HE 2	210	215
HE 3	198	203
HE 4	191	195
HE 5	188	192
HE 6	193	195
HE 7	202	201
HE 8	210	208
HE 9	225	225
HE 10	245	248
HE 11	268	274
HE 12	291	299
HE 13	313	321
HE 14	331	335
HE 15	343	342
HE 16	349	345
HE 17	347	347
HE 18	341	348
HE 19	330	341
HE 20	315	326
HE 21	305	313
HE 22	294	300
HE 23	272	277
HE 24	248	254



Date	Valley	Peak	Ave
7/1/2020	184	317	252
7/2/2020	170	347	259
7/3/2020	188	335	257
7/4/2020	176	304	225
7/5/2020	172	312	235
7/6/2020	180	292	245
7/7/2020	178	316	251
7/8/2020	192	347	271
7/9/2020	199	394	292
7/10/2020	216	415	303
7/11/2020	199	407	293
7/12/2020	185	397	289
7/13/2020	198	399	298
7/14/2020	212	422	314
7/15/2020	216	411	301
7/16/2020	182	396	282
7/17/2020	201	377	277
7/18/2020	186	372	274
7/19/2020	188	394	286
7/20/2020	200	400	302
7/21/2020	210	387	283
7/22/2020	186	336	255
7/23/2020	195	333	258
7/24/2020	180	390	276
7/25/2020	191	354	271
7/26/2020	189	383	275
7/27/2020	188	337	262
7/28/2020	191	309	253
7/29/2020	187	316	243
7/30/2020	186	357	268
7/31/2020	196	399	294



Date	Valley	Peak	Ave
7/1/2019	197	412	297
7/2/2019	211	429	304
7/3/2019	201	426	300
7/4/2019	198	388	270
7/5/2019	185	313	235
7/6/2019	170	310	234
7/7/2019	181	335	251
7/8/2019	182	402	289
7/9/2019	208	393	294
7/10/2019	205	379	292
7/11/2019	204	390	281
7/12/2019	188	364	258
7/13/2019	172	368	266
7/14/2019	196	394	291
7/15/2019	210	400	295
7/16/2019	198	386	290
7/17/2019	201	361	268
7/18/2019	171	377	272
7/19/2019	205	359	265
7/20/2019	170	371	254
7/21/2019	174	357	249
7/22/2019	168	355	261
7/23/2019	183	352	267
7/24/2019	196	287	246
7/25/2019	174	288	240
7/26/2019	180	281	236
7/27/2019	171	314	237
7/28/2019	173	308	239
7/29/2019	174	351	263
7/30/2019	179	381	280
7/31/2019	204	389	289



Date: As of July 6th, 2020: Major Energy Supply Projects/Milestones Updates:

1. Deerhaven Generating Station (DH):
 - a. Deerhaven Unit #2 (DH2) was in a forced outage from 6/4 through 6/7/2020 due to Boiler Economizer tube leak. Leak was repaired and hydrostatically tested, and unit released to service on 6/7/2020.
 - b. DH2: We are working the Boiler Original Equipment Manufacturer (Babcock & Wilcox), and engineering firm Sargent & Lundy to complete our due Diligence Study for the execution of the retrofit of unit to dual fuel capability that was approved by City Commission for funding and execution on 6/18/2020.
 - c. Deerhaven Unit #1 (DH1) we are finalizing the task list with the turbine Original Equipment Manufacturer (Siemens) to conduct analysis of the possible life extension of this turbine beyond the planned retirement date on 12/31/2022.
2. Kelly Generating Station (JRK):
 - a. Unit #8 Steam Turbine and Generator replacement. All the fabrication and coordination for new turbine and generator is still progressing as planned, with outage planned to start in late January or 2021.
3. South Energy Center (SEC):
 - a. Wartsila Engine 24,000 hour planned outage was completed 6/15/2020 through 6/23/2020.
4. Other:
 - a. The Solar Intent to Negotiate (ITN) negotiation process is complete. This has been presented to UAB with the Board's recommendation to concur with this project, and take to CCOM for approval. Planning to take this to the City Commission on 7/16/2020.

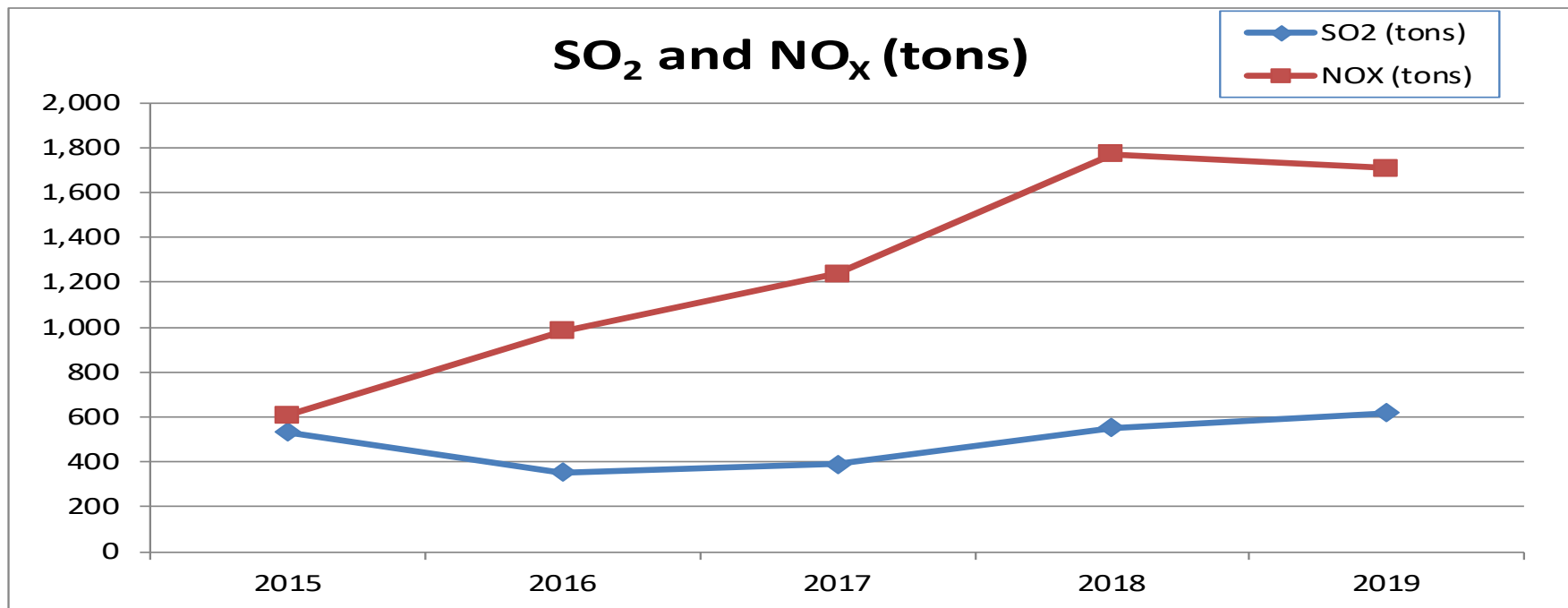
ENVIRONMENTAL PERMITTING

EMISSIONS DATA

Yearly Emissions

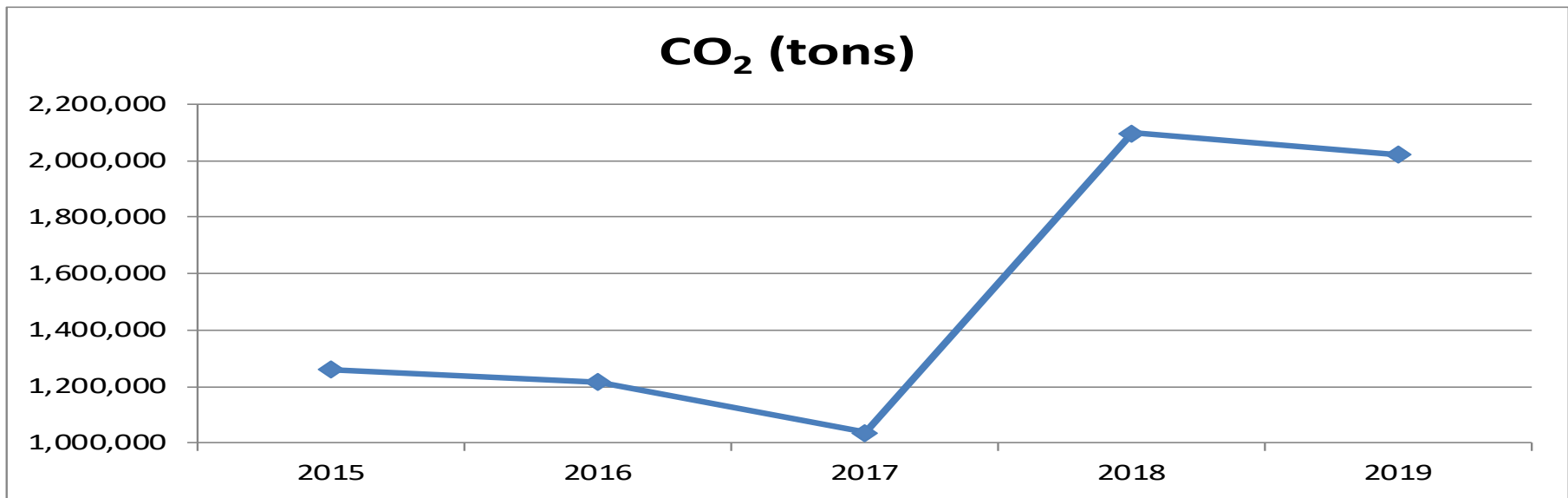
	SO ₂ (tons)	NO _x (tons)	Mercury (lbs)	PM (tons)	CO ₂ (tons)
2015	532	608	5.49	47	1,260,423
2016	354	984	2.92	61	1,216,690
2017	389	1,239	2.40	52	1,037,711
2018	551	1,770	3.80	55	2,096,289
2019	618	1,707	5.30	49	2,020,310
2020 (July)	144	606	1.24	18	1,002,844

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

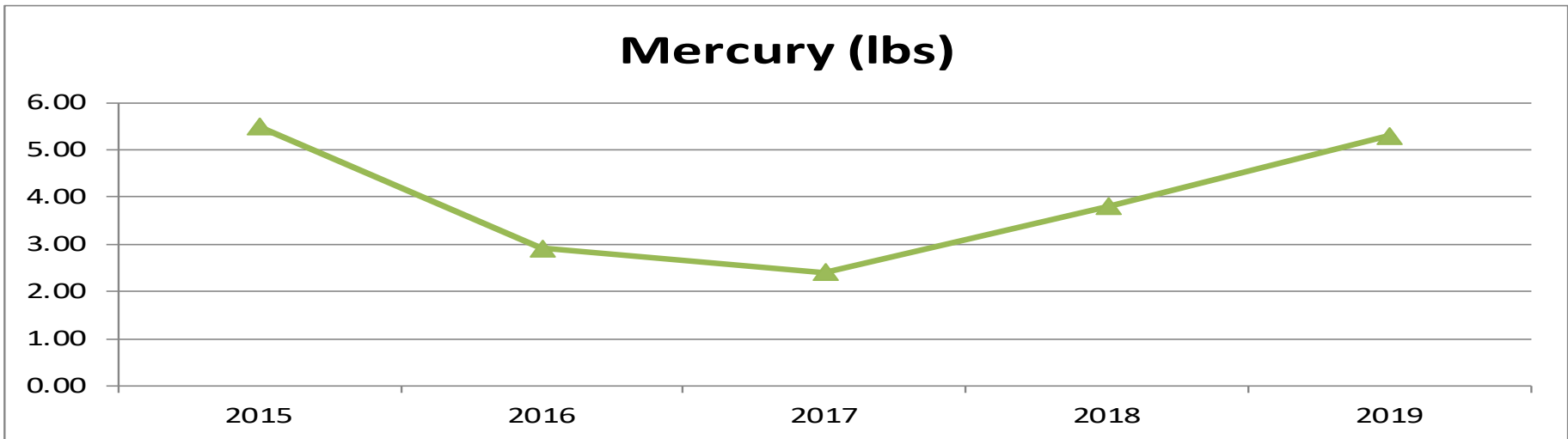


SO₂ lower in 2015, 2016, 2017 due to higher removal rate settings for compliance with MATS Rule. NO_x was higher in 2016 since it was more cost effective to use allowances than increase SCR removal rate. NO_x was higher in 2017 since the Cross State Rule was no longer in effect for Florida. 2018 and later data include DHR. The previous years did not include DHR.

Yearly Emissions

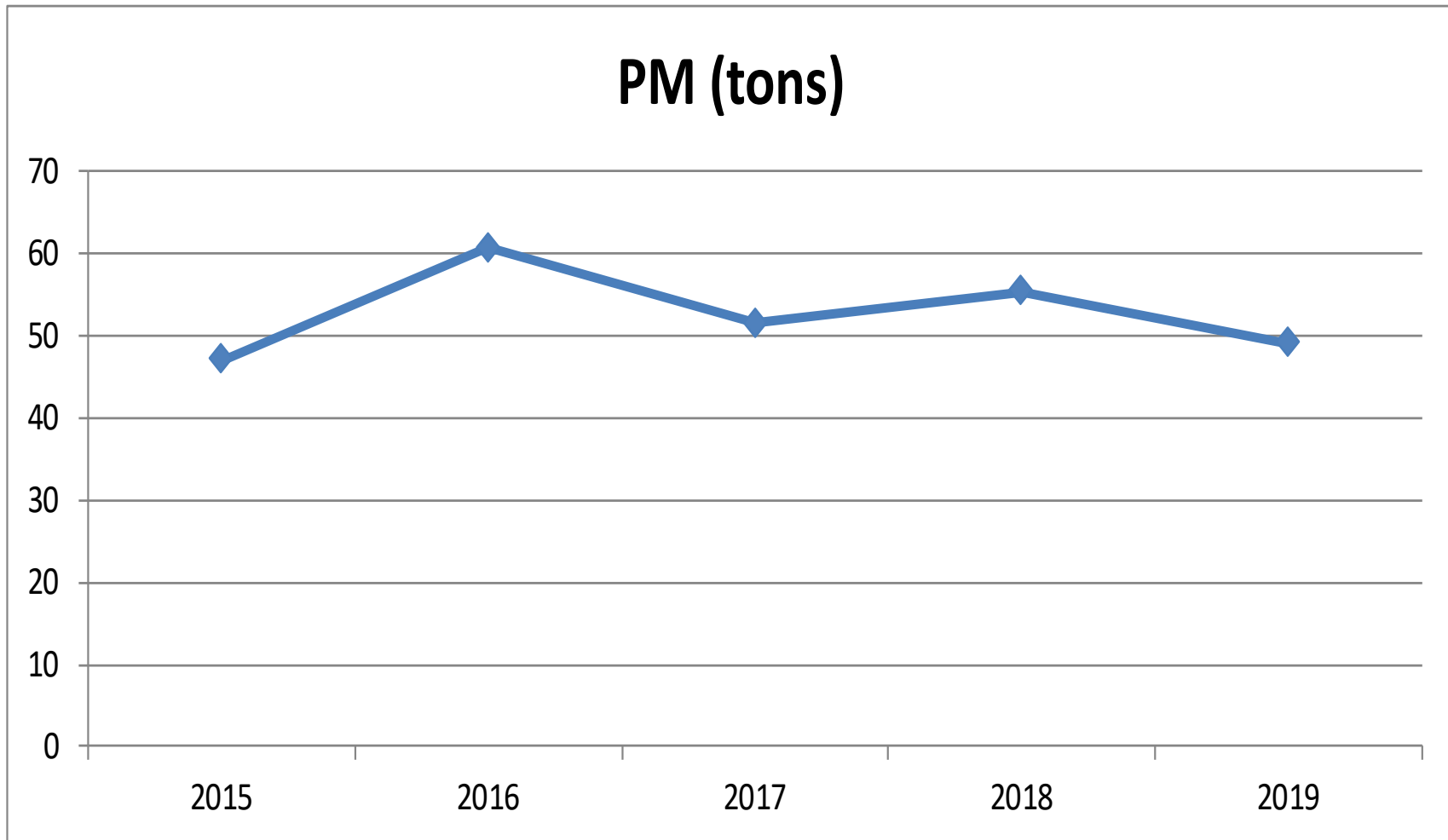


2018 and later data include DHR. The previous years did not include DHR.



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

Yearly Emissions



YTD - 2020 July

	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	0.6	140.8			111,280.7			1,872,532.0	161,301.0
DH2	133.2	271.1	1.24	17.7	172,802.6			2,000,219.0	186,950.0
DHCT3	0.0	0.4			1,526.7			25,687.0	1,807.0
JRKCC1	1.2	50.8			241,928.9			4,071,281.9	490,009.0
DHR	8.9	143.2			475,304.9			4,556,092.2	317,871.0
TOTAL	143.9	606.3	1.239	17.7	1,002,843.8			12,525,812.1	1,157,938.0

2020 - July

	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	29.2			24,068.1			404,989.0	33,406.0
DH2	43.9	80.3	0.29	6.4	51,723.1			600,618.0	54,836.0
DHCT3	0.0	0.0			135.8			2,285.0	153.0
JRKCC1	0.2	7.3			41,058.3			690,882.5	78,817.0
DHR	1.3	22.5			70,084.8			671,886.0	46,156.9
TOTAL	45.5	139.3	0.3	6.4	187,070.1			2,370,660.5	213,368.9

WATER/WASTEWATER

PRODUCTION

MAINTENANCE

Water/Wastewater July 2020 Dashboard

Production						
Murphree Water Treatment Plant						
		July 2020	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	22.7	22.5	30	75%	
	Peak Daily Flow	26.8	26.0	54	48%	
Main Street Water Reclamation Facility						
		July 2020	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	6.2	6.0	7.5	80%	
Kanapaha Water Reclamation Facility						
		July 2020	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	11.7	11.3	14.9	76%	
Water Reclamation Facilities (Combined)						
		July 2020	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	17.9	17.3	22.4	77%	
Maintenance						
Wastewater Collections						
		July 2020 (Miles)	FYTD	Monthly Goal (miles)		
	Miles of gravity mains cleaned	6.2	51.92	5.0		
	Miles of gravity mains TV inspected	7.70	70.38	5.0		
Water Distribution						
		July 2020	FYTD	Monthly Goal		
	Number of Water Services Replaced	73	764	75		
SSO Monthly Summary						
		July	YTD	GOAL (annual)		
	Sanitary Sewer Overflows	0	16	<22		