

STATE OF THE UTILITY

October 2021

Item #210646

ASA	Average Speed of Answer
ASAI	Average Service Availability Index
CAIDI	Customer Average Interruption Duration Index
CIP	Critical Infrastructure Protection
CMI	Customer Minutes Interrupted
CO2	Carbon Dioxide
CSR	Customer Service Representative
DART	Days away, Restricted duty, Temporary transfer
DH1	DeerHaven 1
DH2	DeerHaven 2
DH CT-1	DeerHaven Combustion Turbine #1 – 17.5 MW
DH CT-2	DeerHaven Combustion Turbine #2 – 17.5 MW
DHCT3 or DH CT-3	DeerHaven Combustion Turbine #3 – 71 MW
DHR	DeerHaven Renewable (Biomass Plant)
EIA	Energy Information Administration
FMPA	Florida Municipal Power Association
FTE	Full Time Employee
FY	Fiscal Year
GS	General Service
HE	Hour Ending
Hg	Mercury
IVR	Interactive Voice Response
JRKCC1	John Kelly Combined Cycle 1
Kelly CC	Kelly Combined Cycle
kGals	A thousand gallons of water
kWh	kilowatt-hour, commonly used as a billing unit for energy delivered to consumers by electric utilities
KWRF	Kanapaha Water Reclamation Facility
L-Bar	Average Length of a Service Interruption
MATS	Mercury
MCF	1000 Cubic Ft. of Gas
MWn	Mega Watts
MSWRF	Main Street Water Reclamation Facility
MWTP	Murphree Water Treatment Plant
NERC	North American Electric Reliability Corporation
NOX	Nitrogen
OEM	Original Equipment Manufacturer
OH	Overhead
PMFILT	Porous Metal Filters
PV	Photo Voltaic (Solar Cell)
SAIDI	System Average Interruption Duration Index
SAIFI	System Average Interruption Frequency Index
SCR	Selectius Catalytic Reactor
SO2	Sulfur Dioxide
Therms	a unit of heat equivalent to 100,000 Btu or 1.055×10^8 joules.
THIP	Total Heat Input
TND	Traditional Neighborhood Development
TOU	Time of Use
UG	Underground
W/WW	Water WasteWater

OPERATIONS SUMMARY

CORPORATE SAFETY

ENVIRONMENTAL

REGULATORY

PERSONNEL

October 2021

Safety

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

Employees

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

	Current Month		
	Miles Driven*	Recordable	Preventable
Administration	7,721	1	1
W/WW Systems	54,120	0	0
Energy Supply	393	0	0
Energy Delivery - Electric/Gas	93,274	1	0
GRUCom	7,720	0	0
Totals	163,228	2	1

Vehicles

	Year to Date		
	Miles Driven*	Recordable	Preventable
	7,721	1	1
	54,120	0	0
	393	0	0
	93,274	1	0
	7,720	0	0
	163,228	2	1

*Mileage data is for September 2021. October mileage data will be included in November report.

Mileage September 2021 only

Environmental

	Current Month
Notices of Violation	0

Calendar Year to Date
0

Emissions
DH1, DH2, DHCT3, JRKCC1

CO ₂ (tons)	96,205
NO _x (tons)	101
SO ₂ (tons)	40

880,163
1,136
473

DH Unit 2 (only)

PM _{FILT} (tons)	4
Hg (lbs)	0.08

54
3.06

DHR

CO ₂ (tons)	86,532
NO _x (tons)	25
SO ₂ (tons)	2

824,584
238
15

Regulatory

NERC

Notice of Violations

Self Reports/Potential Violations

0
1

Fiscal Year to Date

0
1

Personnel

	AUTHORIZED FTE	FILLED FTE	VACANCY	Last Month (September)
Administration				
Chief Operating Officer		NOT AVAILABLE		
Customer Support Services				
Energy Delivery				
Energy Supply				
Energy Supply - District Energy				
Finance				
GRUCom				
Information Technology				
Water Wastewater				
Grand Total				

Authorized and filled FTE's do not include temporary employees or interns.

Filled FTE's do include staffed overfills

Utility Advisory Board Monthly Report – FY 2022 Safety Data Summary

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

OCTOBER

- None reported

NOVEMBER

DECEMBER

JANUARY

FEBRUARY

MARCH

APRIL

MAY

JUNE

JULY

AUGUST

SEPTEMBER

End of FY 2022

Utility Advisory Board Monthly Report – FY 2022 Vehicle Collision Summary

Vehicle Collisions (P) indicates preventable by our employee

OCTOBER

- 10/1/2021 – Employee was backing into a parking spot when a private driver cut behind him through the parking spaces. The vehicles collided doing minor damage to both vehicles right rear bumpers. There were no injuries.
- 10/27/2021 – Employee was driving west on NW 39th Avenue approaching the light at NW 91st street. The traffic was flowing normal through the light, which was green. The employee observed a vehicle in the outside lane that looked as if it was going to come over into his lane, so he instinctively looked over at the vehicle and when he looked back up, traffic had come to an abrupt complete stop. The employee braked but could not stop and struck the vehicle ahead causing damage to both vehicles. No injuries were reported. (P)

NOVEMBER

DECEMBER

JANUARY

FEBRUARY

MARCH

APRIL

MAY

JUNE

JULY

AUGUST

SEPTEMBER

End of FY 2022

Utility Advisory Board Monthly Report – FY 2022 NERC compliance

Penalty violations

Determination date Description

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

Determination date Description

Potential violations (Pending regulatory agency determination)

Report date Description

10/11/2021	6/28/2021 change in AVR control mode without prior authorization from system control [VAR-002-4.1 R1]; and no notification to system control within 30 minutes of AVR status change [VAR-002-4.1 R3]. (2021-00644 & 2021-00645)
------------	---

CUSTOMER SUPPORT SERVICES

Customer Operations

New Services

Revenue Assurance

Customer Operations Metrics Summary October 2021

Active Accounts	Oct-21	YTD Gain/Loss	FY21
<i>Residential Contract Accounts</i>			
Total	95,185	88	95,097
Electric	87,761	56	87,705
Gas	34,782	50	34,732
Water	64,769	35	64,734
Wastewater	60,543	75	60,468
Telecomm	0	0	0

Active Accounts	Oct-21	YTD Gain/Loss	FY21
<i>Nonresidential Contract Accounts</i>			
Total	13,188	(7)	13,195
Electric	11,030	(13)	11,043
Gas	1,666	501	1,165
Water	5,905	0	5,905
Wastewater	4,711	33	4,678
Telecomm	0	0	0

New Installations	Oct-21	FY22 To Date	FY21
Electric	126	126	1833
Gas	43	43	775
Water	48	48	771
Wastewater	32	32	777
Telecomm	0	0	18

Residential Disconnects	Oct-21	FY22 To Date	FY21
Volume	1,275	1,275	14,313
Average Balance	\$242.59	\$242.59	\$243.10

Call Center Volume	Oct-21	FY22 To Date	FY21
Residential ASA	0:14:43	0:14:43	0:16:46
Business ASA	0:04:28	0:04:28	0:03:42
CSR Calls	16,454	16,454	215,887
CSR Callbacks	3,570	3,570	47,189
IVR Self Service	92,064	92,064	189,977
Total	112,088	112,088	453,053
IVR/Total	82%	82%	42%

Revenue Assurance	Oct-21	FY22 To Date	FY21
Referred to Collections	\$150,943.26	\$150,943.26	\$1,972,070.41
Recovered	\$116,086.76	\$116,086.76	\$1,093,335.45

Bills Generated	Oct-21	FY22 To Date	FY21
Paper Bills	80,251	80,251	109,177
eBills	33,309	33,309	261,591
Total	113,560	113,560	1,353,368
eBill/Total	29%	29%	19%

Service Orders	Oct-21	FY22 To Date	FY21
Move Ins	6,522	6,522	114,586
Move Outs	5,957	5,957	112,065

Payment Arrangements	Oct-21	FY22 To Date	FY21
Total	625	625	8,419

Average Res Bill Amounts	Oct-21	FY22 To Date	FY21
Electric (kWh)	883	883	819
Electric (\$)	\$134.21	\$134.21	\$119.78
Gas (Therms)	10	10	21
Gas (\$)	\$22.66	\$22.66	\$33.99
Water (kGals)	5	5	5
Water (\$)	\$31.66	\$31.66	\$30.64
Wastewater (kGals)	5	5	5
Wastewater(\$)	\$44.44	\$44.44	\$36.96

Customer Experience	Oct-21	FY22 To Date	FY21
Overall CSAT	3.70	3.70	N/A
Number of Responses	325	325	N/A
Number of Surveys Sent	3,773	3,773	N/A
Response Rate	9%	9%	N/A

Annual Relationship	Oct-21	FY22 To Date	FY21
Overall CSAT	0.00	#DIV/0!	N/A
Number of Responses	0	0	N/A
Number of Surveys Sent	0	0	N/A
Response Rate			N/A

ENERGY DELIVERY

System Consumption

System Reliability

Major Projects – Electric & Gas

Energy Delivery - UAB Report - October 2021

Durations Reliability Report Between 10/01/2021 and 10/31/2021				
Excludes Extreme Weather and Generation/Transmission Disturbances				
CUSTOMER DATA	RELIABILITY INDICES			MONTHLY AVG GOAL
Monthly Average Customers Served(C)	101,092	Average Service Availability Index (ASAI)	99.9855%	
Total Hours of Customer Demand	75,212,448	System Average Interruption Duration Index (SAIDI)	6.47	4.5
Total Number of Outages	51	Customer Average Interruption Duration Index (CAIDI)	42.47	60
Total Number of Customers Affected (CI)	15,388	System Average Interruption Frequency Index (SAIFI)	0.15	0.08
Total Customer Minutes Interrupted (CMI)	653,599			
Total Customer "Out Minutes"	4,933	Average Length of a Service Interruption (L-Bar)	127.56 Mins	
Cause of Outages				
Cause	Overhead	Underground	Both	Total
0. Undetermined	7	0	0	7
1. Weather	1	0	0	1
2. Vegetation	10	0	1	11
3. Animals	9	0	0	9
4. Foreign Interference	0	0	0	0
5. Human Cause	2	0	0	2
6. Equipment Failure	6	7	2	15
7. All Remaining Outages	0	0	6	6
Total	35	7	9	51

Durations Reliability Report Between 01/01/2021 and 10/31/2021*				
Excludes Extreme Weather and Generation/Transmission Disturbances, Excludes TMED Days				
CUSTOMER DATA	RELIABILITY INDICES			GRU YTD GOALS
Monthly Average Customers Served(C)	99,938	Average Service Availability Index (ASAI)	99.9841%	
Total Hours of Customer Demand	729,147,648	System Average Interruption Duration Index (SAIDI)	69.56	45
Total Number of Outages	728	Customer Average Interruption Duration Index (CAIDI)	57.05	60
Total Number of Customers Affected (CI)	121,841	System average Interruption Frequency Index (SAIFI)	1.22	0.80
Total Customer Minutes Interrupted (CMI)	6,951,461			
Total Customer "Out Minutes"	125,206	Average Length of a Service Interruption (L-Bar)	171.99 Mins	
Cause of Outages				
Cause	Overhead	Underground	Both	Total
0. Undetermined	54	2	3	59
1. Weather	52	6	3	61
2. Vegetation	263	9	13	285
3. Animals	83	5	4	92
4. Foreign Interference	0	0	0	0
5. Human Cause	27	6	7	40
6. Equipment Failure	49	95	31	175
7. All Remaining Outages	2	0	14	16
Total	530	123	75	728
* REPORTED AS CALENDAR YEAR				

	GRU	GRU	EIA - All	EIA - Public	FMPA
	CY 2021 Goal	CY 2020 Actual	CY 2019	CY 2019	CY 2020
SAIDI	55 Mins	60.69	144.16	62.31	89.06
CAIDI	60 Mins	54.57	83.35	65.09	65.45
SAIFI	1.0 or less	1.11	1.66	0.98	1.36

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
38	13	5	20

Energy Delivery - UAB Report - October 2021

Electric System Consumption

	2021		2020	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Feed-In-Tariff - Residential	95 KWH	97	58 KWH	103
Feed-In-Tariff - General Service	2,893 KWH	156	2,991 KWH	157
Electric - GS - Demand - Regular	51,208,832 KWH	1,135	50,752,971 KWH	1,179
Electric - General Service Demand PV	1,052,807 KWH	21	1,014,942 KWH	22
Electric - GS - Kanapaha w Curtail Cr	1,098,000 KWH	1	1,156,800 KWH	1
Electric - GS - Demand - Large Power	7,809,000 KWH	6	8,151,000 KWH	6
Electric - GS - Murphree Curtail Credit	1,411,200 KWH	1	1,389,600 KWH	1
Electric - GS Large Demand PV	4,629,600 KWH	2	4,776,000 KWH	2
Electric - GS - Non Demand	16,373,934 KWH	9,979	15,453,078 KWH	9,882
Electric - General Service PV	199,336 KWH	78	174,347 KWH	72
Electric - Lighting - Rental	893,792 KWH	3,822 <i>n</i>	937,375 KWH	3,925 <i>n</i>
Electric - Lighting - Street - City	913,159 KWH	13 <i>n</i>	545,321 KWH	12 <i>n</i>
Electric - Lighting - Street - County	256,028 KWH	2 <i>n</i>	132,075 KWH	2 <i>n</i>
Electric - Lighting - Traffic	144 KWH	1	4,542 KWH	2
Electric - Residential - Non TOU	75,066,870 KWH	88,641	72,902,328 KWH	88,078
Electric - Residential PV	437,941 KWH	696	358,504 KWH	500
Total Retail Electric	161,353,631 KWH	100,814	157,751,932 KWH	100,005
City of Alachua	10,547,461 KWH	15,943	11,825,436 KWH	23,932
Total (Native) Electric	171,901,092 KWH		169,577,368 KWH	

(n =not included in total customer count)

Gas System Consumption

	2021		2020	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Gas - GS - Regular Service (Firm)	664,723 THM	1,330	639,811 THM	1,350
Gas - GS - Regular Service (Small)	7,166 THM	351	6,500 THM	324
Gas - GS - Interruptible - Regular Serv	18,391 THM	1	22,059 THM	1
Gas - GS - Interruptible - Large Volume	438,689 THM	8	363,511 THM	7
Gas - Residential - Regular Service	337,473 THM	34,941	342,631 THM	34,376
Total Retail Gas	1,466,442 THM	36,631	1,374,512 THM	36,058
Gas - GS - UF Cogeneration Plant	2,769,740 THM	1	2,229,283 THM	1
Gas - Residential - LP - Basic Rate	2,350 GAL	200	2,686 GAL	204

Energy Delivery - UAB Report - October 2021

Major Electric Design Projects

- > Celebration Pointe - Alachua County Sport Events Center
- > Hyatt Downtown
- > VA Mental Health Hub & Outpatient Clinic 34th Street
- > The Blount Center - Santa Fe College
- > Oaks Preserve Subdivision (295 single-family residences)

Major Gas Design Projects

- > Main Extension – Copeland Park – 1,800'
- > Main Installation – Flint Rock Sub – SW 122nd St – 15,576'
- > Main Installation – Oakridge
- > Main Installation – Parker Rd – 8000' 8"PE
- > Annual Leak Survey

Gas Services installed in October 2021: 33 new customers

ENERGY SUPPLY

SYSTEM STATISTICS

ENERGY DISTRIBUTION

FUEL

October 2021

Energy Supply - CAPACITY

Energy Supply - Performance Parameter

Source

Unit Capability output - MWn

DH-2	228
DH-1	75
Kelly CC	108
CT's	106
Grid	2 x 224
DHR	102.5

Month	YTD	Budget YTD	Delta Budget
46,112	46,112	1,599	44,513
12,448	12,448	4,635	7,813
71,712	71,712	79,552	(7,840)
-	-	66	(66)
(29,754)	(29,754)	24,001	(53,755)
57,923	57,923	46,719	11,204

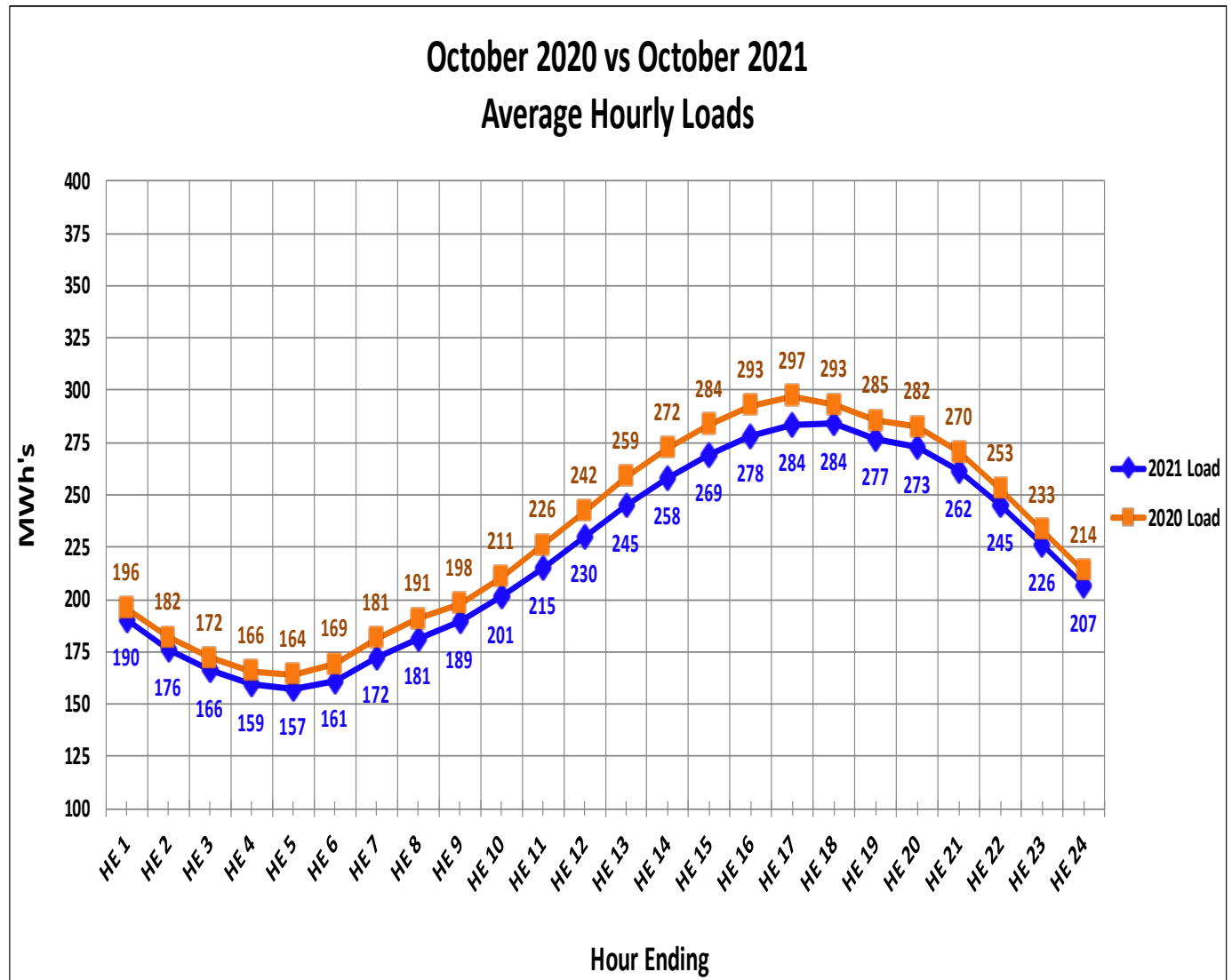
Fuels Consumed

	Month	FYTD	Budget YTD	Delta Budget
Coal - Tons	10,438	10,438	-	10,438
Gas - MCF	1,131,426	1,131,426	778,702	352,724
Fuel oil - Gals	269	269	-	269
Biomass - Tons	71,515	71,515	61,307	10,208

Availability/Capacity

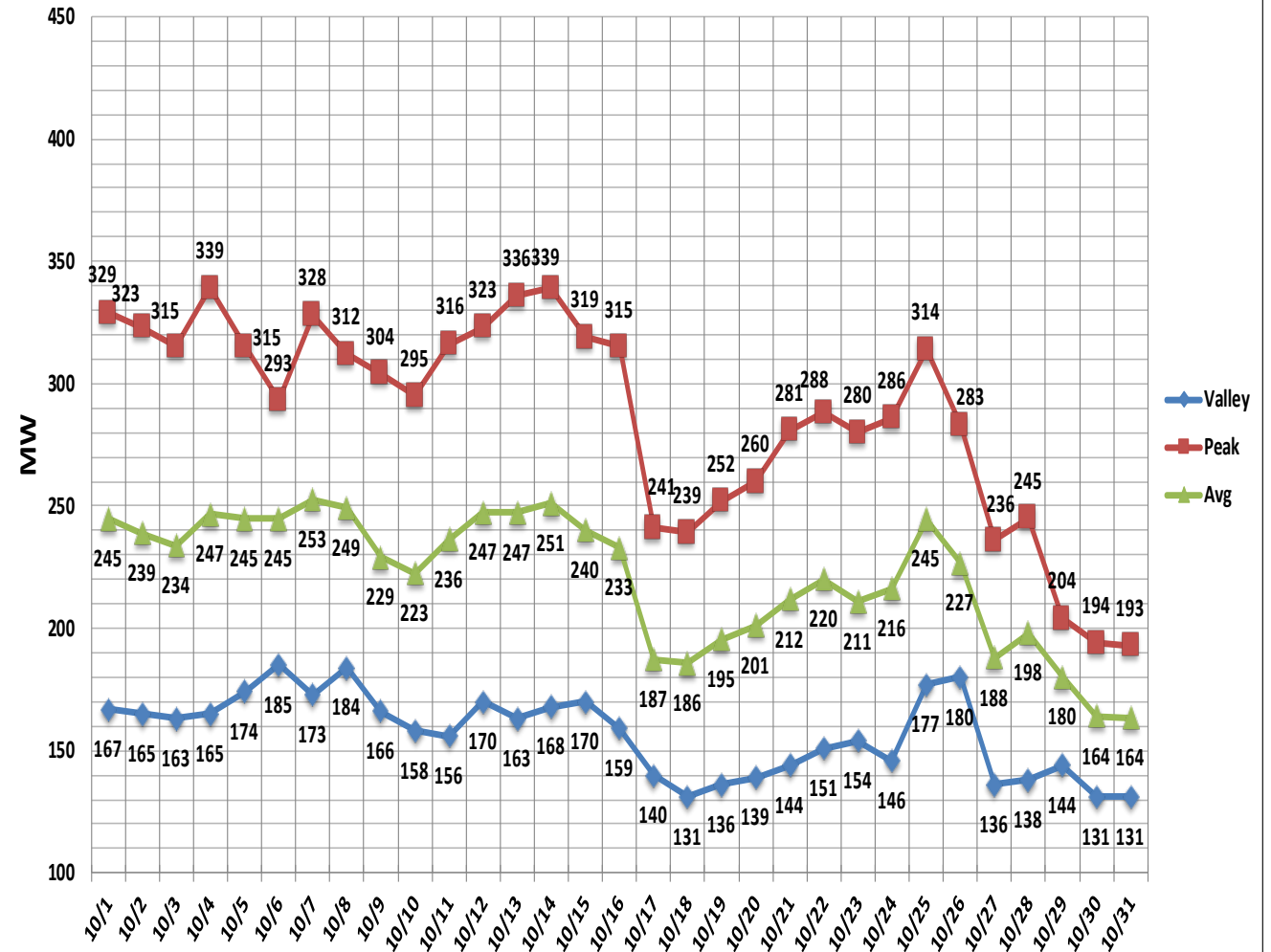
	Availability			Capacity		
	Month	FY 2022 YTD	FY 2021 YTD	Month	FY 2022 YTD	FY 2021 YTD
DH-2	88.41%	88.41%	87.01%	30.72%	30.72%	30.69%
DH-1	92.50%	92.50%	98.80%	24.70%	24.70%	40.19%
Kelly CC	100.00%	100.00%	52.97%	91.10%	91.10%	43.42%
DH CT-1	100.00%	100.00%	96.22%	0.00%	0.00%	0.25%
DH CT-2	100.00%	100.00%	94.96%	0.14%	0.14%	0.21%
DH CT-3	100.00%	100.00%	99.89%	0.00%	0.00%	2.06%
DHR	90.56%	90.56%	68.62%	80.29%	59.28%	46.38%

October Average Hourly Loads		
Hour Ending	2020 Load	2021 Load
HE 1	196	190
HE 2	182	176
HE 3	172	166
HE 4	166	159
HE 5	164	157
HE 6	169	161
HE 7	181	172
HE 8	191	181
HE 9	198	189
HE 10	211	201
HE 11	226	215
HE 12	242	230
HE 13	259	245
HE 14	272	258
HE 15	284	269
HE 16	293	278
HE 17	297	284
HE 18	293	284
HE 19	285	277
HE 20	282	273
HE 21	270	262
HE 22	253	245
HE 23	233	226
HE 24	214	207

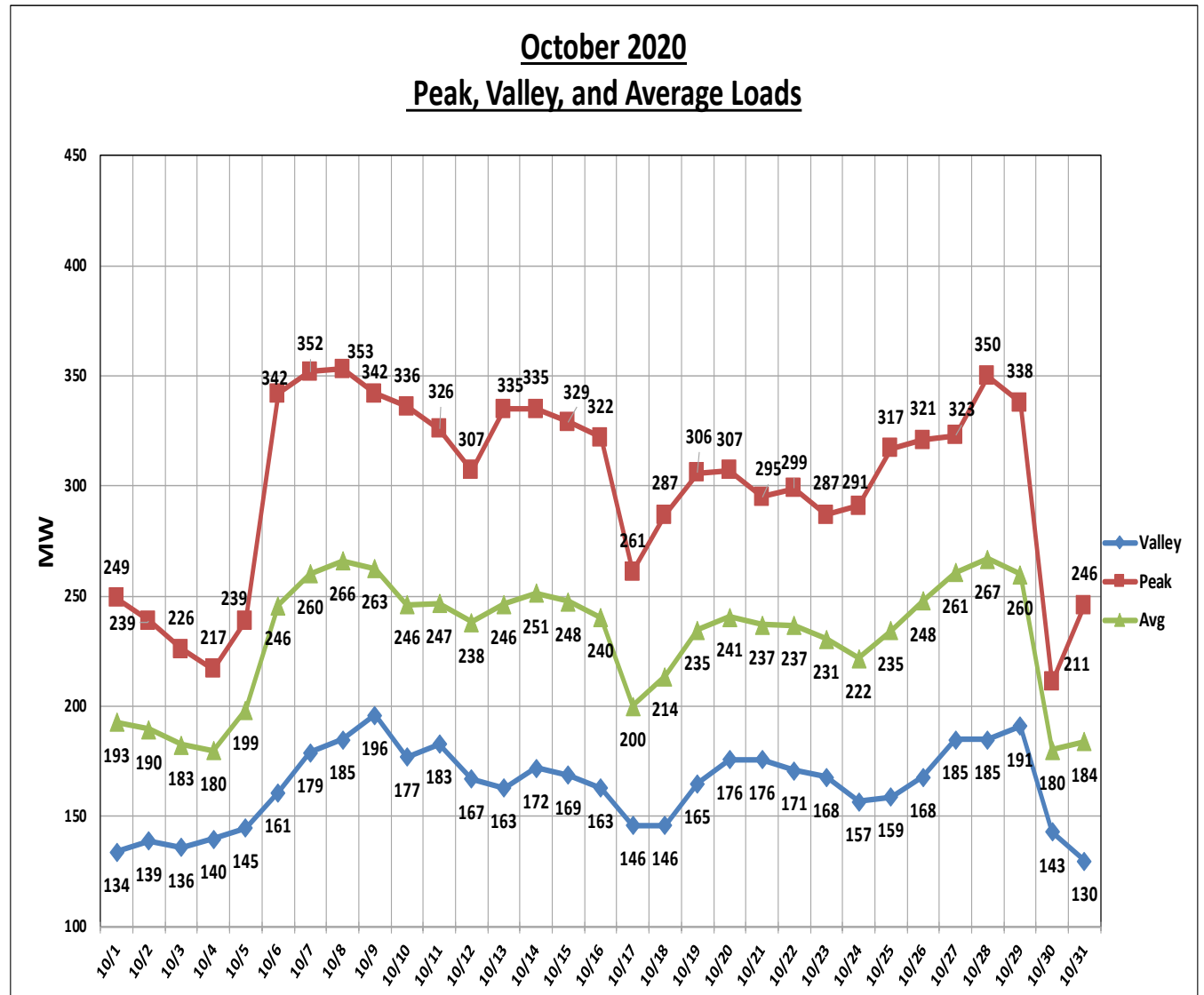


Date	Valley	Peak	Avg
10/1/2021	167	329	245
10/2/2021	165	323	239
10/3/2021	163	315	234
10/4/2021	165	339	247
10/5/2021	174	315	245
10/6/2021	185	293	245
10/7/2021	173	328	253
10/8/2021	184	312	249
10/9/2021	166	304	229
10/10/2021	158	295	223
10/11/2021	156	316	236
10/12/2021	170	323	247
10/13/2021	163	336	247
10/14/2021	168	339	251
10/15/2021	170	319	240
10/16/2021	159	315	233
10/17/2021	140	241	187
10/18/2021	131	239	186
10/19/2021	136	252	195
10/20/2021	139	260	201
10/21/2021	144	281	212
10/22/2021	151	288	220
10/23/2021	154	280	211
10/24/2021	146	286	216
10/25/2021	177	314	245
10/26/2021	180	283	227
10/27/2021	136	236	188
10/28/2021	138	245	198
10/29/2021	144	204	180
10/30/2021	131	194	164
10/31/2021	131	193	164

October 2021
Peak, Valley, and Average Loads



Date	Valley	Peak	Avg
10/1/2020	134	249	193
10/2/2020	139	239	190
10/3/2020	136	226	183
10/4/2020	140	217	180
10/5/2020	145	239	199
10/6/2020	161	342	246
10/7/2020	179	352	260
10/8/2020	185	353	266
10/9/2020	196	342	263
10/10/2020	177	336	246
10/11/2020	183	326	247
10/12/2020	167	307	238
10/13/2020	163	335	246
10/14/2020	172	335	251
10/15/2020	169	329	248
10/16/2020	163	322	240
10/17/2020	146	261	200
10/18/2020	146	287	214
10/19/2020	165	306	235
10/20/2020	176	307	241
10/21/2020	176	295	237
10/22/2020	171	299	237
10/23/2020	168	287	231
10/24/2020	157	291	222
10/25/2020	159	317	235
10/26/2020	168	321	248
10/27/2020	185	323	261
10/28/2020	185	350	267
10/29/2020	191	338	260
10/30/2020	143	211	180
10/31/2020	130	246	184



Date: As of November 3, 2021: Major Energy Supply Projects/Milestones Updates:

1. Deerhaven Generating Station (DH):
 - a. Deerhaven Unit #2(DH2):
 - i. Following the conversion to dual fuel, we are seeing highly elevated noise levels associated with the flow in the new natural gas lines. The noise level in proximity of new gas lines is well above the criteria for single hearing protection and now requires utilization of double hearing protection. Although at the plant boundaries the noise level is below ordinance levels to community, the noise level is still an elevated nuisance we must address. We have hired a contractor to perform acoustic survey and develop a scope of work to address this issue. Contractor is scheduled to conduct these acoustic surveys starting week of 11/1/2021.
 - ii. The dual fuel project testing has been able to achieve 244 MW gross so far. We have not been able to test above this load due to gas header pressure falling too low at the 244 MW load. Full load testing beyond this may not be 100% achievable until modification to gas lines to Deerhaven Generating Station are complete. Currently Florida Gas Transmission (FGT) is planning to complete these gas line modification in July of 2022.
 - iii. We have received 4 coal trains this calendar year and working on 3 other trains for delivery in latter part of this fall, or first calendar year quarter of 2022.
 - iv. The planned outage that was set to start on 10/2/2021 will now be moved to the spring. This was due to the original vaccine mandate for employees, and this same requirement being discussed for Contractors. Even after vaccine mandate was suspended we were not able to get the resources we needed for this fall outage.
 - b. Deerhaven Unit #1 (DH1)
 - i. We are still working with vendors on scope and cost of a lifetime assessment of Turbine and Generator originally set to retire in 2022. This assessment, and turbine inspection, is currently scheduled for execution in fall of 2022.
2. Deerhaven Renewable (DHR):
 - a. Began initial planned outage on 10/29/2021, with scheduled return to date of 11/16/2021.
3. Kelly Generating Station (JRK):
 - a. Unit #8 Turbine & Generator replacement has been completed and unit has been in service for just over 110 days. Warranty outage being planned for the late spring of 2022.
4. South Energy Center (SEC):
 - a. For Solar Engine we received the new SCR catalyst and are scheduling for this to be installed. Once new catalyst installed, we will complete required emission testing before end of calendar year.

City Commission - FY21 - 4QTR Coal Sourcing Report

Month Coal Delivered	Coal Supplier(s)	Mine	Tons	Deep	MTR	Surface (No MTR)
Jul-21	1	Creech	12,567.90	70%		30%
Aug-21	1	Creech	23,665.05	70%		30%
Sep-21						
Total			36,232.95	70.00%		30.00%

Notes:

1. Coal Supplier 1

Spot transaction Confirmation, Coal Commodity Purchase Agreement effective June 7, 2021-July 31, 2021.

Spot transaction Confirmation, Coal Commodity Purchase Agreement effective July 27, 2021-August 31, 2021.

**Gainesville Regional Utilities
Solar PPA Status Report
Report Period: September 2021**

GRU Scope:

Milestone	Expected Completion Date	Status	Notes
Grid Interconnection Studies	2/2021	Complete	Complete
Grid Interconnection Agreement	7/15/2021	Pending	Finalizing document. Extended due to higher team priorities.
Easement for Seller Interconnection Facilities at Parker Rd Substation	9/2021	Pending	
GRU Interconnection Facilities Planning and Construction	10/2021	Pending	Commenced project planning
GRU Interconnection Facilities Completion	8/2022	Pending	
Operating Procedures	11/2021	Pending	
Scheduled Commercial Operation	12/31/2022	Pending	

COVID-19 Pandemic Impact – While there remains a potential for impacts that may adversely affect GRU’s ability to fulfil its obligations under this agreement, none have occurred to-date. GRU will continue to monitor the situation and use commercially reasonable efforts to meet it’s contractual obligations.

Origis Energy Scope:

1. The Alachua County Commission denied the Special Use Permit for the Sand Bluff Solar Facility on July 7, 2021.
2. Origis is reviewing their planned course of action which will be communicated to GRU at a future date.
3. Origis is asserting a day for day delay in milestones for excusable delay due to special use permit denial by Alachua County Commission.

Prepared 10/5/2021

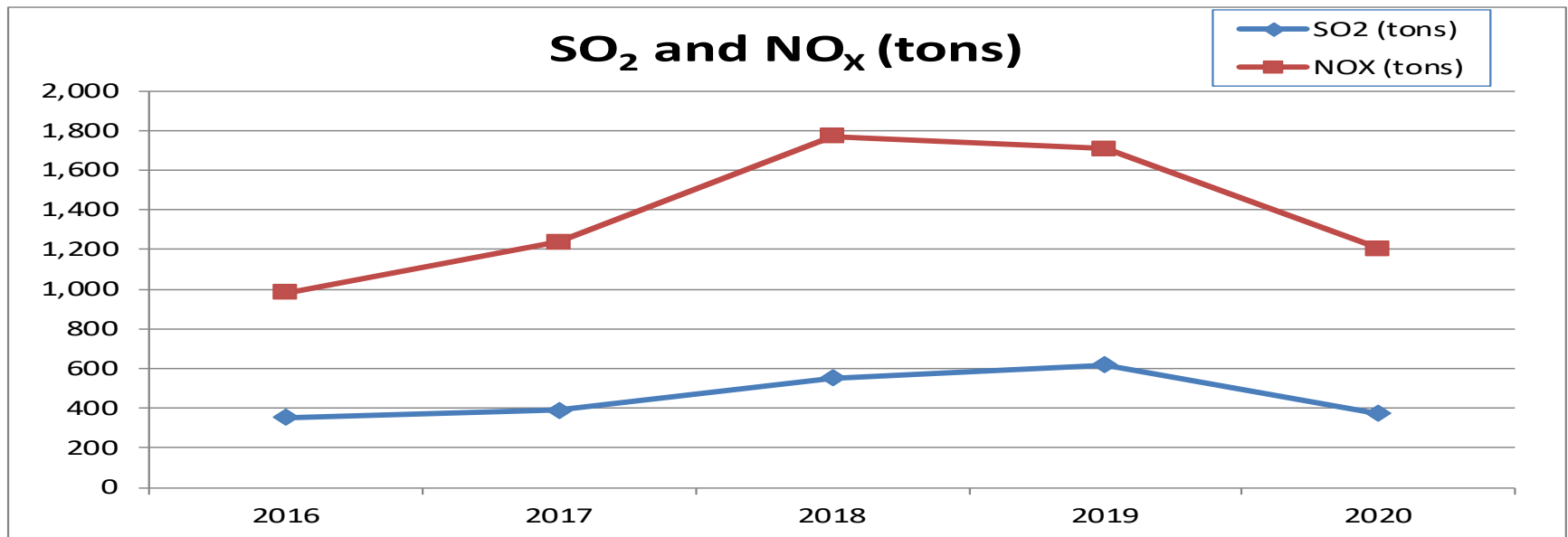
ENVIRONMENTAL PERMITTING

EMISSIONS DATA

Yearly Emissions

	SO ₂ (tons)	NO _x (tons)	Mercury (lbs)	PM (tons)	CO ₂ (tons)
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	372	1,203	3.14	56	1,462,622
2021 (thru Oct.)	488	1,373	3.06	54.3	1,704,747

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

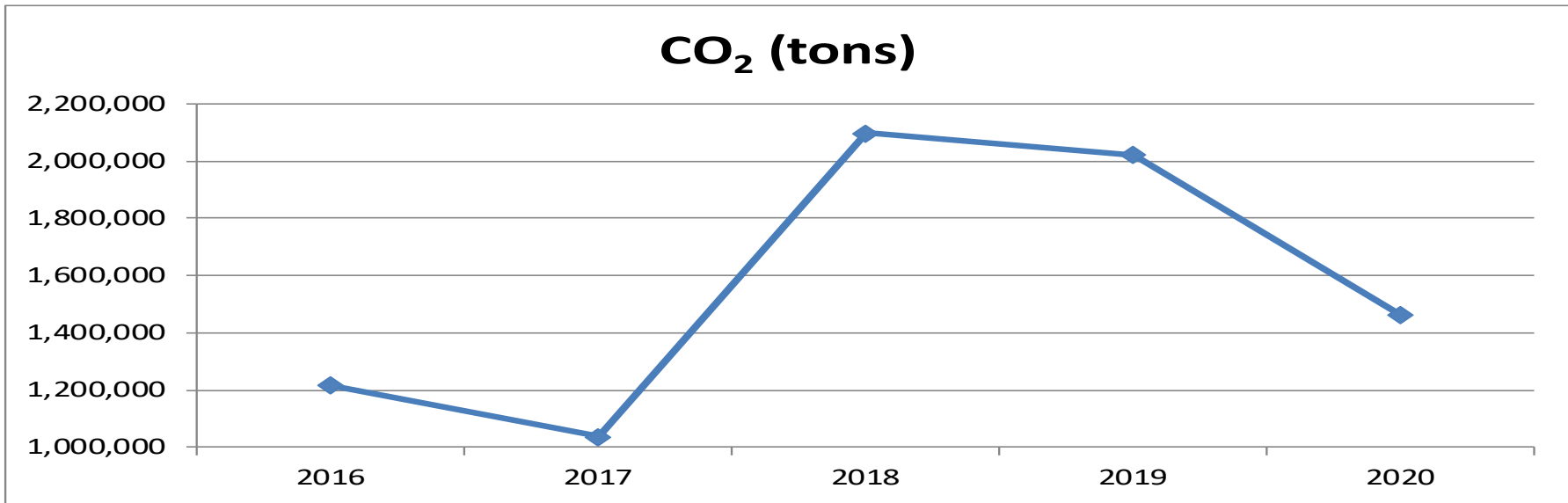


SO₂ was lower in 2015, 2016, and 2017 due to higher removal rate settings to assure compliance with the MATS Rule.

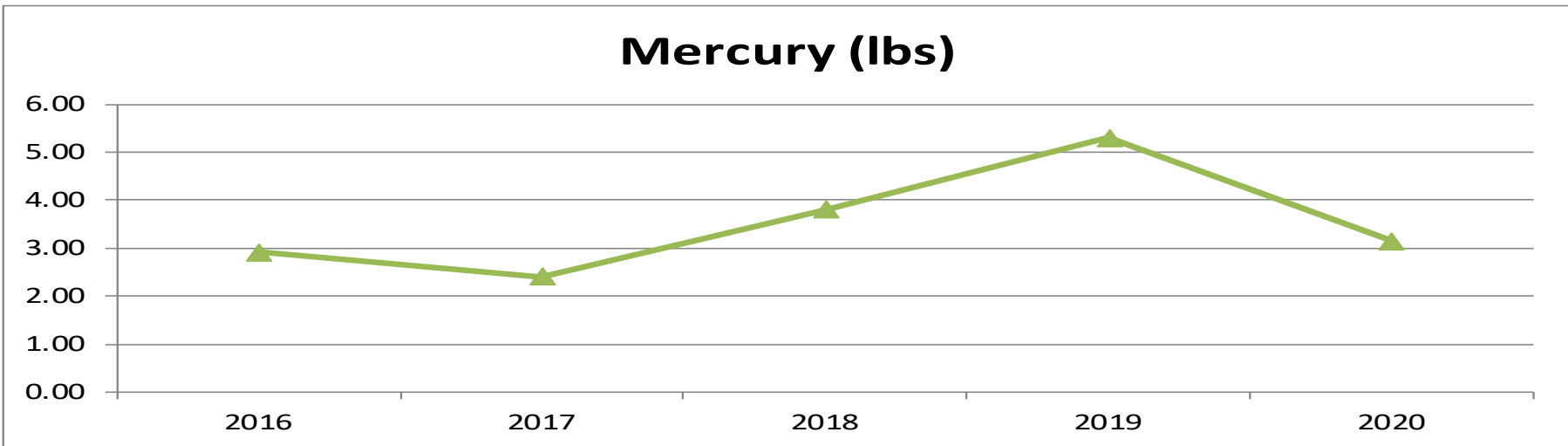
NO_x was higher in 2016 since it was more cost effective to use allowances than increase SCR removal rate. NO_x was higher in 2017 since the Cross State Rule was no longer in effect for Florida.

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

Yearly Emissions

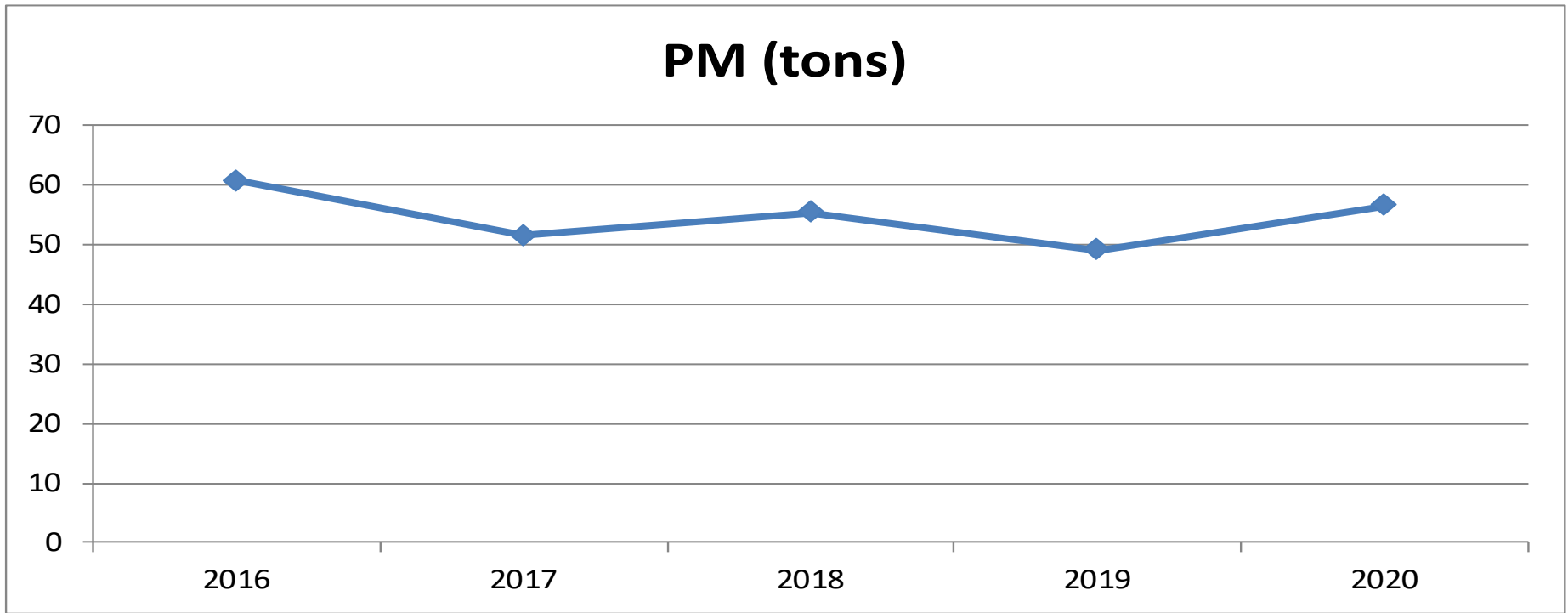


2018 and later data include DHR. The previous years did not include DHR.



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

Yearly Emissions



YTD - 2021 October

	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	21.4	200.8			155,175.2			2,601,042.0	226,018.0
DH2	451.0	892.0	3.06	54.3	521,800.7			6,376,308.0	611,864.0
DHCT3	0.0	0.1			9,316.9			156,818.0	11,676.0
JRKCC1	0.9	42.6			193,870.2			3,262,241.2	373,235.0
DHR	14.7	237.6			824,584.2			7,900,656.4	593,634.0
TOTAL	488.0	1,373.1	3.06	54.3	1,704,747.2			20,297,065.6	1,816,427.0

TOTALS without DHR

	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	21.4	200.8			155,175.2			2,601,042.0	226,018.0
DH2	451.0	892.0	3.06	54.3	521,800.7			6,376,308.0	611,864.0
DHCT3	0.0	0.1			9,316.9			156,818.0	11,676.0
JRKCC1	0.9	42.6			193,870.2			3,262,241.2	373,235.0
Total Without DHR	473.3	1,135.5	3.055	54.3	880,163.0			12,396,409.2	1,222,793.0

2021 - October

	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	15.6			11,219.9			188,792.0	14,585.0
DH2	40.1	76.8	0.08	4.2	46,548.1			599,439.0	57,069.0
DHCT3	0.0	0.0			0.0			0.0	0.0
JRKCC1	0.2	8.2			38,436.8			646,793.0	74,936.0
DHR	1.5	25.0			86,532.0			828,597.6	65,850.0
TOTAL	41.9	125.6	0.08	4.2	182,736.8			2,263,621.6	212,440.0

Totals without DHR

	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	15.6			11,219.9			188,792.0	14,585.0
DH2	40.1	76.8	0.08	4.2	46,548.1			599,439.0	57,069.0
DHCT3	0.0	0.0			0.0			0.0	0.0
JRKCC1	0.2	8.2			38,436.8			646,793.0	74,936.0
Without DHR	40.4	100.6	0.079	4.2	96,204.8			1,435,024.0	146,590.0

WATER/WASTEWATER

PRODUCTION

MAINTENANCE

Water/Wastewater October 2021 Dashboard

Production						
Murphree Water Treatment Plant						
		October 21	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	24.3	24.3	30	81%	█
	Peak Daily Flow	26.2	25.8	54	48%	█
Main Street Water Reclamation Facility						
		October 21	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	6.24	6.24	7.5	83%	█
Kanapaha Water Reclamation Facility						
		October 21	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	12.7	12.7	14.9	85%	█
Water Reclamation Facilities (Combined)						
		October 21	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	18.9	18.9	22.4	85%	█
Maintenance						
Wastewater Collections						
		Oct 2021 (Miles)	FYTD	Monthly Goal (miles)		
	Miles of gravity mains cleaned	4.87	4.87	5.0		
	Miles of gravity mains TV inspected	4.60	4.60	5.0		
Water Distribution						
		October 2021	FYTD	Monthly Goal		
	Number of Water Services Replaced	123	123	75		
SSO Monthly Summary						
		October 2021	YTD	GOAL (annual)		
	Sanitary Sewer Overflows	1	1	<22		