

# STATE OF THE UTILITY

April 2021

Item #201219

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 $1.055 \times 10^8$ 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

April 2021

**Safety**

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

**Employees**

First Aid	Year to Date Recordable	DART
1	0	0
3	4	2
1	0	0
0	6	3
0	0	0
	10	

	Miles Driven*	Current Month Recordable	Preventable
Administration	11,721	0	0
W/WW Systems	74,037	1	1
Energy Supply	1,802	0	0
Energy Delivery - Electric/Gas	99,714	1	0
GRUCom	5,825	0	0
Totals	193,099	2	1

\*Mileage data is for March, 2021. April mileage will be reported in the May report.

**Vehicles**

Miles Driven*	Year to Date Recordable	Preventable
50,289	0	0
381,030	4	3
5,713	0	0
640,646	4	2
38,481	0	0
1,116,159	8	5

Mileage YTD through March 2021

**Environmental**

	Current Month
Notices of Violation	0

Calendar Year to Date
0

Emissions  
DH1, DH2, DHCT3, JRKCC1

CO <sub>2</sub> (tons)	81,470
NO <sub>x</sub> (tons)	133
SO <sub>2</sub> (tons)	48

300,672
450
222

DH Unit 2 (only)

PM <sub>FILT</sub> (tons)	7
Hg (lbs)	0.40

26
1.58

DHR

CO <sub>2</sub> (tons)	69,894
NO <sub>x</sub> (tons)	20
SO <sub>2</sub> (tons)	1

315,337
91
6

**Regulatory**

NERC

Notice of Violations	1
Self Reports/Potential Violations	0

Fiscal Year to Date

4*
0

\*includes determinations made in FY2021 for prior years, which is why there are more violations than potential violations

## Personnel

	<b>AUTHORIZED FTE</b>	<b>FILLED FTE</b>	<b>VACANCY</b>	<b>Last Month (March)</b>
Administration	16.00	14.00	2.00	2.00
Chief Operating Officer	20.00	20.00	0.00	0.00
Customer Support Services	118.25	103.25	15.00	10.75
Energy Delivery	264.00	248.00	16.00	15.00
Energy Supply	183.00	164.00	19.00	21.00
Energy Supply - District Energy	11.00	10.00	1.00	1.00
Finance	42.00	31.75	10.25	11.25
GRUCom	38.00	31.00	7.00	7.00
Information Technology	71.00	66.00	5.00	5.00
Water Wastewater	169.00	159.00	10.00	11.00
<b>Grand Total</b>	<b>932.25</b>	<b>847.00</b>	<b>85.25</b>	<b>84.00</b>

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 2021 NERC compliance

### Penalty violations

<u>Determination date</u>	<u>Description</u>
N/A	No penalties to-date for FY 2021

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

<u>Determination date</u>	<u>Description</u>
10/30/2020 (FY2020)	Two relay settings not adjusted in accordance with PRC-023-4 for 18 months
11/23/2020 (FY2020)	Substation control house door left unsecure for 9 hours
1/25/2021 (FY2020)	Failure to issue door alarms for 5 days due to email system configuration error
4/13/2021 (FY2019)	35 Cyber Assets were delayed in being included under GRU's Critical Infrastructure Protection (CIP) program

### Potential violations (Pending regulatory agency determination)

<u>Report date</u>	<u>Description</u>
4/16/2020 (FY2020)	Failure to update baseline documents within 30 days of a change to a cyber asset

## Utility Advisory Board Monthly Report – FY 2021 Safety Data Summary

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

### OCTOBER

- ~~10/1/2020 – While removing bolts with a ratchet wrench on a regulator at the Alachua Farm tap, employee strained his back. (DART)~~ Determined to be a personal condition, not work-related.

### NOVEMBER

- None reported

### DECEMBER

- 12/24/2020 – Employee was removing the insulation off an underground cable when his knife slipped and he cut the pad of his right thumb.
- 12/26/2020 – While removing a wire from under a downed tree, the employee felt a pull in his lower back. It got progressively worse, requiring medical treatment and restricted duty. (DART)

### JANUARY

- 1/7/2021 – employee slipped and fell injuring his left ankle, left leg and left side lower back when a magnetic tool turned loose from man hole lid and employee fell. (DART)
- 1/11/2021 – While warning signs to posts, employee accidentally shot a staple into his right thumb. (DART)
- 1/14/2021 – Employee got debris in his right eye while running chainsaw causing bad eye irritation.

### FEBRUARY

- 2/17/2021 – An employee was struck in the face with a switch handle he was installing when the pliers he was using slipped, hit and released the handle causing a cut that required stitches.
- 2/22/2021 – While removing a manhole cover with a long hook, the hook slipped off, causing a strain to his left shoulder.

### MARCH

- 3/22/2021 – Walking to an electric meter, the employee's left foot was punctured by two nails sticking through a board that was stepped on.

### APRIL

- 4/3/2021 – While walking down the stairs, an employee fell, but caught himself, causing a back strain.
- 4/14/2021 – When cutting down a tree, as the tree fell, an attached vine caught the chain saw and brought it to his leg, causing a laceration. (DART)

### MAY

### JUNE

### JULY

### AUGUST

### SEPTEMBER

## Utility Advisory Board Monthly Report – FY 2021 Vehicle Collision Summary

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

### OCTOBER

- 10/1/2020 – While stopped at a red light, the driver of our vehicle leaned over to put something in the passenger seat, taking his foot off the brake and rolling into the vehicle in front of him. Very minor damage and no injuries. (P)
- 10/26/2020 – an employee was backing up, when a private vehicle backing out of an adjacent driveway backed into the right rear of U1646 causing damage to both vehicles. There were no injuries (P)

### NOVEMBER

- 11/25/2020 – After backing into a right of way and stopping, employee went to leave and turned sharp right and the passenger side of his vehicle came into contact with a partial hidden stump causing damage to passenger side of truck. (P)

### DECEMBER

- 12/18/2020 – Employee collided with a deer crossing the road. Minor damage to the front grill.

### JANUARY

- None reported

### FEBRUARY

- 2/15/2021 – A citizen came up to GRU driver at the Kanapaha WRF and said he had scraped the front fender of her car during the turn from 8th Ave to Newberry Road. This is being investigated. (P)

### MARCH

- 3/4/2021 – Employee was traveling southbound on North Main Street. While waiting at the red light, a person towing a U-Haul trailer exited the parking lot behind our truck. When she tried to turn right, the trailer hit the rear bumper of our truck. Minor damage only.

### APRIL

- 4/14/2021 – While backing up from opening the gate for a contractor, the employee scraped the front bumper of a car parked just off the roadway with this right-side rear bumper. (P)
- 4/15/2021 – Employee was rear-ended by a private driver while waiting at a red-light in eastbound traffic. Both vehicles received minor damage.

### MAY

### JUNE

### JULY

### AUGUST

### SEPTEMBER



# CUSTOMER SUPPORT SERVICES

Customer Operations

New Services

Revenue Assurance

# Customer Operations Metrics Summary April 2021

Active Accounts	Apr-21	YTD Gain/Loss	FY20
<i>Residential Contract Accounts</i>			
Total	94,426	561	93,865
Electric	87,136	405	86,731
Gas	34,590	385	34,205
Water	64,454	225	64,229
Wastewater	60,145	111	60,034
Telecomm	0	(87)	87

New Installations	Apr-21	FY21 To Date	FY20
Electric	190	1110	2430
Gas	52	556	558
Water	63	435	744
Wastewater	64	457	667
Telecomm	0	18	131

Call Center Volume	Apr-21	FY21 To Date	FY20
Residential ASA	0:02:10	0:16:13	0:03:41
Business ASA	0:01:37	0:03:11	0:02:27
CSR Calls	14,643	119,026	188,834
CSR Callbacks	119	25,407	12,488
IVR Self Service	9,586	99,685	201,731
Total	24,348	244,118	403,053
IVR/Total	39%	41%	50%

Bills Generated	Apr-21	FY21 To Date	FY20
Paper Bills	101,255	688,843	1,301,286
eBills	19,836	138,864	237,475
Total	121,091	827,707	1,538,761
eBill/Total	16%	17%	15%

Payment Arrangements	Apr-21	FY21 To Date	FY20
Total	418	6,176	7,129

Customer Experience	Apr-21	FY21 To Date	FY20
Overall CSAT	3.90	3.98	N/A
Number of Responses	173	1,076	N/A
Number of Surveys Sent	2,215	12,164	N/A
Response Rate	8%	9%	N/A

Active Accounts	Apr-21	YTD Gain/Loss	FY20
<i>Nonresidential Contract Accounts</i>			
Total	13,207	(413)	13,620
Electric	11,042	10	11,032
Gas	1,678	12	1,666
Water	5,913	2	5,911
Wastewater	4,679	7	4,672
Telecomm	0	(403)	403

Residential Disconnects	Apr-21	FY21 To Date	FY20
Volume	1,198	9,185	7,791
Average Balance	\$221.97	\$245.05	\$175.34

Revenue Assurance	Apr-21	FY21 To Date	FY20
Referred to Collections	\$115,026.46	\$1,419,147.51	\$1,495,829.79
Recovered	\$108,796.89	\$690,379.43	\$804,667.00

Service Orders	Apr-21	FY21 To Date	FY20
Move Ins	8,499	52,202	106,868
Move Outs	7,466	50,140	106,929

Average Res Bill Amounts	Apr-21	FY21 To Date	FY20
Electric (kWh)	709	742	830
Electric (\$)	\$104.74	\$109.43	\$124.21
Gas (Therms)	20	28	18
Gas (\$)	\$33.64	\$41.70	\$32.65
Water (kGals)	5	5	5
Water (\$)	\$33.12	\$29.72	\$31.49
Wastewater (kGals)	5	5	5
Wastewater(\$)	\$38.47	\$37.84	\$37.67

Annual Relationship	Apr-21	FY21 To Date	FY20
Overall CSAT	0.00	3.40	N/A
Number of Responses	0	8,719	N/A
Number of Surveys Sent	52,363	52,363	N/A
Response Rate	0%	17%	N/A

# ENERGY DELIVERY

System Consumption

System Reliability

Major Projects – Electric & Gas

# ENERGY DELIVERY - UAB REPORT - APRIL 2021

## Durations Reliability Report Between 04/01/2021 and 04/30/2021

Excludes Extreme Weather and Generation/Transmission Disturbances

CUSTOMER DATA		RELIABILITY INDICES		MONTHLY AVG GOAL
Monthly Average Customers Served(C)	99,938	Average Service Availability Index (ASAI)	99.9912%	
Total Hours of Customer Demand	71,955,360	System Average Interruption Duration Index (SAIDI)	3.80	4.5
Total Number of Outages	66	Customer Average Interruption Duration Index (CAIDI)	57.26	60
Total Number of Customers Affected (CI)	6,640	System Average Interruption Frequency Index (SAIFI)	0.07	0.08
Total Customer Minutes Interrupted (CMI)	380,215			
Total Customer "Out Minutes"	8,646	Average Length of a Service Interruption (L-Bar)	131.00 Mins	

Cause of Outages				
Cause	Overhead	Underground	Both	Total
0. Undetermined	5	0	1	6
1. Weather	5	0	0	5
2. Vegetation	20	1	2	23
3. Animals	14	0	0	14
4. Foreign Interference	0	0	0	0
5. Human Cause	4	0	1	5
6. Equipment Failure	2	7	3	12
7. All Remaining Outages	0	0	0	0
Total	50	8	7	65

## Durations Reliability Report Between 01/01/2021 and 04/30/2021\*

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)	99.9936%	
Total Hours of Customer Demand	287,821,440	System Average Interruption Duration Index (SAIDI)	11.11	18
Total Number of Outages	212	Customer Average Interruption Duration Index (CAIDI)	64.38	60
Total Number of Customers Affected (CI)	17,244	System average Interruption Frequency Index (SAIFI)	0.17	0.32
Total Customer Minutes Interrupted (CMI)	1,110,172			
Total Customer "Out Minutes"	23,498	Average Length of a Service Interruption (L-Bar)	110.84 Mins	

## ENERGY DELIVERY - UAB REPORT - APRIL 2021

	GRU		GRU	EIA - All	EIA - Public	FMPA
	CY 2021 Goal		CY 2020 Actual	CY 2019	CY 2019	CY 2019
	<b>SAIDI</b>	55 Mins	60.69	144.16	62.31	74.51
	<b>CAIDI</b>	60 Mins	54.57	83.35	65.09	60.89
	<b>SAIFI</b>	1.0 or less	1.11	1.66	0.98	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
38	13	5	20

Cause of Outages				
Cause	Overhead	Underground	Both	Total
0. Undetermined	7	1	0	8
1. Weather	1	0	0	1
2. Vegetation	39	1	0	40
3. Animals	16	0	0	16
4. Foreign Interference	0	0	0	0
5. Human Cause	4	2	0	6
6. Equipment Failure	9	18	5	32
7. All Remaining Outages	0	0	0	0
Total	76	22	5	103
* REPORTED AS CALENDAR YEAR				

# ENERGY DELIVERY - UAB REPORT - APRIL 2021

## Electric System Consumption

	2021		2020	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Feed-In-Tariff - Residential	59 KWH	100	56 KWH	102
Feed-In-Tariff - General Service	2,661 KWH	157	1,968 KWH	157
Electric - GS - Demand - Regular	44,717,382 KWH	1,123	42,178,637 KWH	1,184
Electric - General Service Demand PV	965,087 KWH	21	1,023,448 KWH	24
Electric - GS - Kanapaha w Curtail Cr	1,150,800 KWH	1	1,166,400 KWH	1
Electric - GS - Demand - Large Power	7,526,400 KWH	7	7,842,400 KWH	7
Electric - GS - Murphree Curtail Credit	1,418,400 KWH	1	1,516,800 KWH	1
Electric - GS Large Demand PV	6,098,400 KWH	3	3,568,800 KWH	2
Electric - GS - Non Demand	14,046,861 KWH	9,946	12,620,725 KWH	9,844
Electric - General Service PV	106,938 KWH	79	76,244 KWH	69
Electric - Lighting - Rental	919,630 KWH	3,867 <i>n</i>	934,764 KWH	4,510 <i>n</i>
Electric - Lighting - Street - City	113,823 KWH	12 <i>n</i>	609,298 KWH	12 <i>n</i>
Electric - Lighting - Street - County	130,950 KWH	2 <i>n</i>	131,492 KWH	2 <i>n</i>
Electric - Lighting - Traffic	0 KWH	0	4,542 KWH	2 <i>n</i>
Electric - Residential - Non TOU	59,995,208 KWH	88,093	62,670,838 KWH	86,660
Electric - Residential PV	198,561 KWH	587	194,804 KWH	449
Total Retail Electric	137,391,160 KWH	100,118	134,541,216 KWH	98,500
(n =not included in total customer count)				
City of Alachua	9,644,116 KWH	21,357	9,384,000 KWH	21,692 KW
Total (Native) Electric	147,035,276 KWH		143,925,216 KWH	

## Gas System Consumption

	2021		2020	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Gas - GS - Regular Service (Firm)	777,056 THM	1,360	590,919 THM	1,366
Gas - GS - Regular Service (Small)	8,811 THM	325	6,354 THM	316
Gas - GS - Interruptible - Regular Serv	16,678 THM	1	16,000 THM	1
Gas - GS - Interruptible - Large Volume	488,959 THM	8	424,872 THM	7
Gas - Residential - Regular Service	673,504 THM	34,740	465,085 THM	34,187
Total Retail Gas	1,965,008 THM	36,434	1,503,230 THM	35,877
Gas - GS - UF Cogeneration Plant	1,529,737 THM	1	3,217,301 THM	1
Gas - Residential - LP - Basic Rate	4,104 GAL	201	3,273 GAL	203

# ENERGY DELIVERY - UAB REPORT - APRIL 2021

## Energy Delivery - Major Projects

### Major Electric Design Projects

- > Serenola Main Line Improvements
- > Haile Plantation Direct Buried Main Line Improvement (Multiple Segments)
- > FEMA Messenger Cable Removal
- > The Mark - 100 unit 6 story development
- > New Feeder out of McMichen Substation

### Major Gas Design Projects

- > Main Installation - Parker Road - 8000' 8"PE (Fill in project)
- > Main Installation - Oakmont Subdivision Phase 4 - 10600'
- > Valve Maintenance & CP Readings
- > Main Installation - Heathrow Subdivision - NW 21st Avenue - 2908'
- > Main Relocation - UF Malachosky Dist. Building - Billing Job - 1850'

New Gas Services installed in April 2021: 40 New Customers

ENERGY SUPPLY

SYSTEM STATISTICS

ENERGY DISTRIBUTION

FUEL



April 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
55,462	326,798	175,928	150,870
24,651	146,870	39,066	107,804
71	245,163	241,186	3,977
2,853	7,486	275	7,211
15,273	22,499	141,205	(118,706)
40,366	228,629	355,808	(127,179)

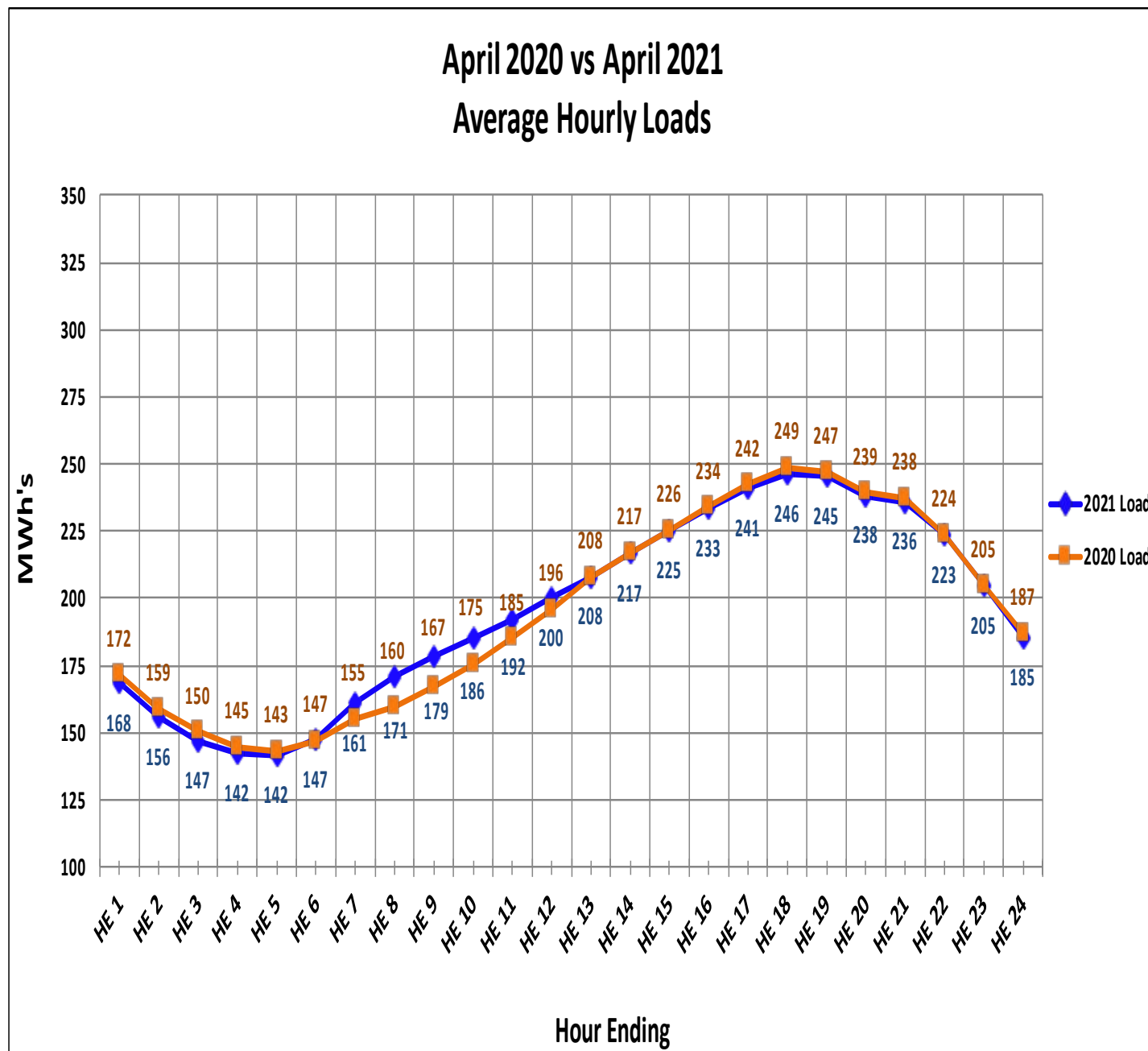
Fuels Consumed

	Month	FYTD	Budget YTD	Delta Budget
Coal - Tons	16,531	98,729	92,922	5,807
Gas - MCF	642,142	5,874,074	3,402,533	2,471,541
Fuel oil - Gals	-	189,932	-	189,932
Biomass - Tons	56,310	254,655	491,695	(237,040)

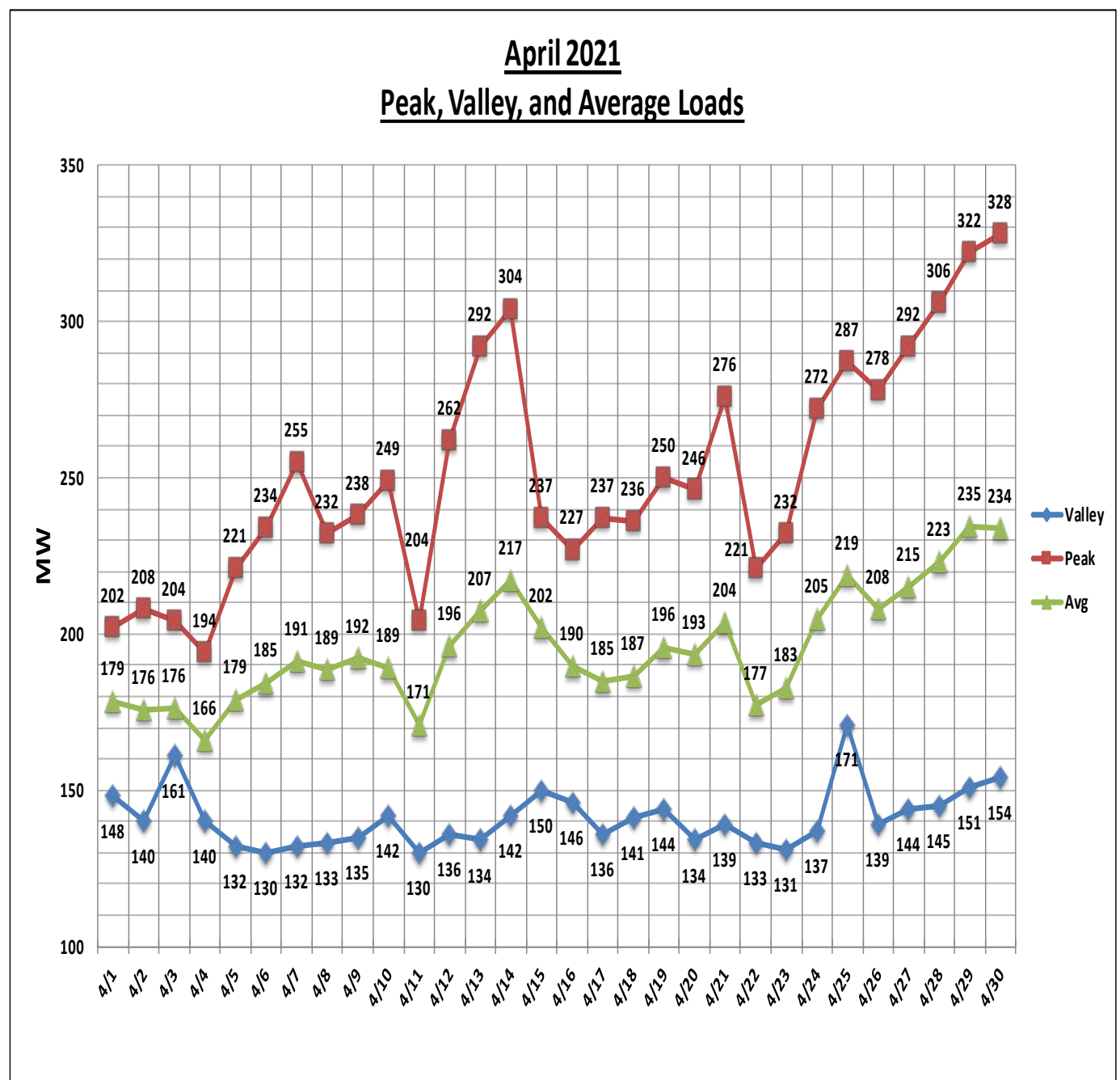
Availability/Capacity

	Availability			Capacity		
	Month	FY 2021 YTD	FY 2020 YTD	Month	FY 2021 YTD	FY 2020 YTD
DH-2	95.51%	87.01%	79.84%	36.05%	30.69%	13.44%
DH-1	100.00%	98.80%	91.96%	46.83%	40.19%	33.48%
Kelly CC	0.00%	52.97%	94.14%	0.00%	43.42%	85.89%
DH CT-1	98.75%	96.22%	97.40%	0.60%	0.25%	0.24%
DH CT-2	100.00%	94.96%	96.83%	0.34%	0.21%	0.23%
DH CT-3	100.00%	99.89%	99.59%	5.45%	2.06%	1.82%
DHR	96.96%	68.62%	89.14%	57.97%	46.38%	51.77%

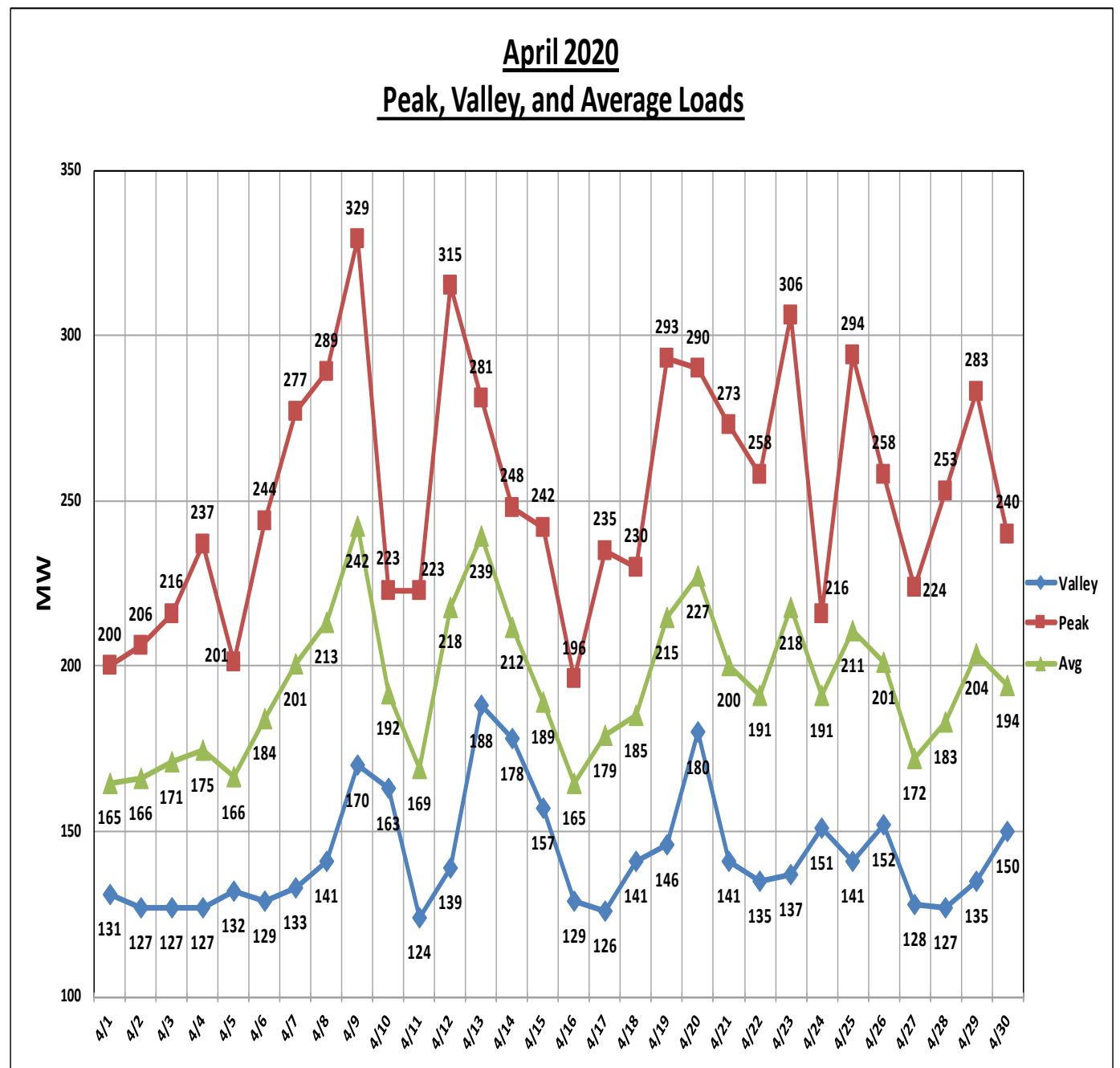
April Average Hourly Loads		
Hour Ending	2020 Load	2021 Load
HE 1	172	168
HE 2	159	156
HE 3	150	147
HE 4	145	142
HE 5	143	142
HE 6	147	147
HE 7	155	161
HE 8	160	171
HE 9	167	179
HE 10	175	186
HE 11	185	192
HE 12	196	200
HE 13	208	208
HE 14	217	217
HE 15	226	225
HE 16	234	233
HE 17	242	241
HE 18	249	246
HE 19	247	245
HE 20	239	238
HE 21	238	236
HE 22	224	223
HE 23	205	205
HE 24	187	185



Date	Valley	Peak	Avg
4/1/2021	148	202	179
4/2/2021	140	208	176
4/3/2021	161	204	176
4/4/2021	140	194	166
4/5/2021	132	221	179
4/6/2021	130	234	185
4/7/2021	132	255	191
4/8/2021	133	232	189
4/9/2021	135	238	192
4/10/2021	142	249	189
4/11/2021	130	204	171
4/12/2021	136	262	196
4/13/2021	134	292	207
4/14/2021	142	304	217
4/15/2021	150	237	202
4/16/2021	146	227	190
4/17/2021	136	237	185
4/18/2021	141	236	187
4/19/2021	144	250	196
4/20/2021	134	246	193
4/21/2021	139	276	204
4/22/2021	133	221	177
4/23/2021	131	232	183
4/24/2021	137	272	205
4/25/2021	171	287	219
4/26/2021	139	278	208
4/27/2021	144	292	215
4/28/2021	145	306	223
4/29/2021	151	322	235
4/30/2021	154	328	234



Date	Valley	Peak	Avg
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



Date: As of May 4, 2021: Major Energy Supply Projects/Milestones Updates:

1. Deerhaven Generating Station (DH):
  - a. Deerhaven Unit #2: The Deerhaven Unit #2 first outage (Phase 1 of 2) for Retrofit to 100% natural gas was completed on 1/20/2021. Phase 2 preparations are in progress and we are looking for a 6 day outage in mid May to complete the phase 2, which is the scope of tie in the natural gas lines and the associated electrical controls. Following phase 2 the actual commissioning will begin in early June.
  - b. Deerhaven Unit #1 is currently de-rated from 78MWg to 76 MWg due to pluggage in the natural gas supply line from Florida Gas Transmission (FGT). This pluggage has been a reoccurring problem we have been investigating for long term resolution, and at this time we have confirmed the main element is sulfur.
  - c. Deerhaven Unit #1 (DH1) we are currently still working with OEM (Siemens), and a second vendor (MD&A) on the reduced scope full quote for the Turbine and Generator life time assessment to be executed in spring of 2022. Budgetary estimated for this lifetime assessment and outage are in the FY2022 budget submittals.
2. Kelly Generating Station (JRK):
  - a. The extended outage for Unit #8 Turbine & Generator replacement, and CT4 Gas Turbine Major Inspection began 1/25/2021. The CT4 outage work is progressing with some delays due to COVID19, TX weather incident and minor discovery work. Currently scheduled to return to service 5/3/2021. The Unit #8 outage has experienced significant delays associated with the removal of the old generator casing and stator. This is an approximate 180,000 lb lift that requires shoring of the deck below that is being installed. As of right now we are seeing about 3 week impact to this outage that was originally scheduled to complete 5/3/2021. Working on impacts to outage completion date once generator casing removed. Note that once Unit #8 is restored we will require another approximate 14 days to balance turbine, tune unit and complete commissioning of the new unit.
3. South Energy Center (SEC):
  - a. Wartsila engine 34000 hour planned outage was completed in early March.

### City Commission - FY21 - 2QTR Coal Sourcing Report

Month	Coal Delivered	Coal Supplier(s)	Mine	Tons	Deep	MTR	Surface (No MTR)
	Jan-21			0.00			
	Feb-21			0.00			
	Mar-21			0.00			
<b>Total</b>				<b>0.00</b>			

#### Notes:

1. No coal purchased in FY21 - 2QTR.

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

**GRU Scope:**

<b>Milestone</b>	<b>Expected Completion Date</b>	<b>Status</b>	<b>Notes</b>
Grid Interconnection Studies	2/2021	Complete	Complete
Grid Interconnection Agreement	6/2021	Pending	Internal review of draft interconnection agreement. Extended by mutual agreement with no overall project schedule impact
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	8/2021	Pending	Advanced 1 month to coordinate with revised Origis schedule
Operating Procedures	11/2021	Pending	
Scheduled Commercial Operation	12/31/2021	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:**

See next page.



## **PROGRESS REPORT**

**Project: FL Solar 6, LLC “Seller”**

**Recipient: Gainesville Regional Utilities (GRU) “Buyer”**

**Report Period: April 2021**

Pursuant to Section 5.3 (a) Renewable Energy Power Purchase Agreement (Agreement), Seller will prepare and submit to Buyer a monthly status report. Terms below have the same meaning as in the Agreement.

### **I. Overview**

<b>Milestone <sup>1</sup></b>	<b>Expected / Completion Date <sup>2, 3</sup></b>	<b>Status</b>	<b>Notes</b>
Site Control	12/9/19*	Complete	
Interconnection Application	5/5/20	Complete	
Completion of Site Studies	11/23/20	Complete	
Permitting Application	11/30/20	Complete	
Interconnection Agreement (IA) Execution	<b>6/15/21*</b>	Pending	Extended by mutual agreement
Easement for Seller Interconnection Facilities at Parker Road Substation	9/7/21*	Pending	
Buyer Interconnection Facilities Commencement Date	3/31/22	Pending	
Permitting Complete	4/14/22	Pending	
Seller NTP	<b>4/15/22*</b>	Pending	
Start of Major Equipment Delivery to Site	<b>5/1/22</b>	Pending	
Transformer Delivery	<b>7/1/22</b>	Pending	
Operating Procedures	<b>7/15/22</b>	Pending	
Synchronization	<b>9/1/22*</b>	Pending	
Target COD	<b>12/1/22</b>	Pending	
Scheduled Commercial Operation (SCOD)	12/31/22*	Pending	

Notes: 1. Milestones are sorted in date order. 2. Required Milestone Deadlines are indicated by an asterisk. 3. Any changes from previous reporting period are indicated by bold text.



## **II. Status Updates**

Pursuant to the Agreement, this section includes (i) a detailed description of the progress of the Facility design and construction, (ii) a statement of any significant issues which remain unresolved and Seller's recommendations for resolving the same, (iii) a summary of any significant events which are scheduled or expected to occur during the following thirty (30) days, and (iv) all additional information reasonably requested by Buyer.

*Please note that this progress report has been prepared without knowing the full impact of COVID-19, as further described in Section III below. FL Solar 6 will continue to monitor these events.*

### **A. Description of the progress of the Facility design and construction**

#### **• Status update**

- Jul 2020: Seller performed initial studies of the site to support permitting applications and permit engineering.
- Aug 2020: Initial site studies are ongoing, including environmental, geotechnical, cadastral and topographic surveys. Some slight weather delays were experienced, but these will not affect the overall schedule.
- Sep 2020: Field studies are ongoing. Geotechnical, cadastral and topographic surveys of the solar site are complete. Additional weather delays were experienced, but these will not affect the overall schedule.
- Oct 2020: Field studies to support solar site design are complete. Additional weather delays were experienced, but these did not affect the overall schedule.
- Nov 2020: Seller completed the site studies, prepared a preliminary draft layout of the solar facility, and updated the draft general arrangement depicting generator interconnection equipment within the Parker substation.
- Dec 2020: No change.
- Jan 2021: Seller made minor adjustments to the preliminary draft layout of the solar facility to avoid and minimize potential impacts to neighboring properties. Additional studies were performed to support county-level permitting.
- Feb 2021: All studies to support county permitting were completed prior to the Planning Commission hearing held on February 17, 2021.
- Mar 2021: Supplemental studies supporting county permitting were completed. A preliminary layout was developed.
- Apr 2021: Supplemental studies were completed, supporting Planning Commission rehearing. Revisions were made to the draft layout to further eliminate potential effects to nearby properties; e.g., buffers and distances from parcel boundaries were increased, and project facilities were shifted further from parcel boundaries.

#### **• Discussion of any unresolved issues, foreseeable disruptions, or delays**

- Jul 2020: None.
- Aug 2020: None.
- Sep 2020: None.
- Oct 2020: None.
- Nov 2020: None.

- Dec 2020: None.
- Jan 2021: None.
- Feb 2021: None.
- Mar 2021: None
- Apr 2021: To date, the need for a rehearing at Planning Commission has resulted in a ten-week delay; Seller believes lost time will be recoverable and does not anticipate this delay adversely affecting SCOD.

## **B. Interconnection Agreement**

### **• Status update**

- Jul 2020: Seller submitted the Interconnection Application on May 5, 2020; Seller's interconnection team coordinated with Buyer's technical team on interconnection studies.
- Aug 2020: Seller posted the Development Period Security.
- Sep 2020: Seller's interconnection team coordinated with and provided information to Buyer's technical team to support the ongoing interconnection studies.
- Oct 2020: Seller's interconnection team coordinated with and provided information to Buyer's technical team to support the ongoing interconnection studies. Seller anticipates providing a preliminary draft of the interconnection agreement for Buyer review in November.
- Nov 2020: Interconnection teams continued coordination and information exchange necessary to support interconnection studies. Seller anticipates providing a preliminary draft interconnection agreement for Buyer review in December.
- Dec 2020: Interconnection teams continued coordination and information exchange. Seller provided a discussion draft generator interconnection agreement for Buyer's review December 14, 2020.
- Jan 2021: Interconnection technical teams continued regular coordination, including discussion of the Grid Tie Solar Stability Study Draft Report. Seller awaits comments on the discussion draft generator interconnection agreement.
- Feb 2021: Due to ongoing technical discussions and Buyer's review of the interconnection agreement, a modest revision to the milestone date for "Interconnection Agreement (IA) Execution" is under discussion. At this time, parties anticipate this revision will not delay other milestones.
- Mar 2021: The parties agreed to extend the milestone schedule for the IA by six weeks. The technical team exchanged drafts of Appendix C and other documents.
- Apr 2021: The parties have mutually agreed to extend the milestone schedule for IA Execution to June 15, 2021.

### **• Discussion of any unresolved issues, foreseeable disruptions, or delays**

- Jul 2020: None.
- Aug 2020: None.
- Sep 2020: None.
- Oct 2020: None.
- Nov 2020: None.
- Dec 2020: None.
- Jan 2021: None.

- Feb 2021: None.
- Mar 2021: The extension of the IA milestone is not anticipated to affect the SCOD.
- Apr 2021: No change. The postponement of IA Execution to June 15, 2021 is not anticipated to adversely affect SCOD. The Seller's technical team assumes that technical exchange of information will continue during this time.

### **C. Permits, Licenses, Easements and Approvals to Construct**

#### **• Status update**

- Jul 2020: Pending.
- Aug 2020: Pending.
- Sep 2020: Seller is preparing materials for, and anticipates beginning the process of, Alachua County Development Review through a pre-application conference in October.
- Oct 2020: Seller held a pre-application conference with Alachua County. Notices and advertisements were released October 29, 2020 for a Neighborhood Workshop to be held on November 17, 2020. Following the workshop, Seller will prepare and submit the application for Special Exception by late November.
- Nov 2020: Seller held a Neighborhood Workshop on November 17, 2020. Seller prepared and submitted the application for Special Exception (SE) on November 30, 2020. Alachua County assigned the SE application ZX-01-21.
- Dec 2020: Alachua County staff began their review of SE application ZX-01-21. Seller anticipates appearance before the Planning Commission as soon as February 2021.
- Jan 2021: Alachua County staff continued their review of SE application ZX-01-21. The project will appear before the Alachua County Planning Commission on February 17, 2021.
- Feb 2021: The project was recommended for approval by the Alachua County Planning Commission on February 17, 2021. Seller anticipates appearing before the Board of County Commissioners (BOCC) on March 23, 2021.
- Mar 2021: The FL Solar 6 team requested that Alachua County reschedule its appearance at the BOCC to perform notice readvertisement for the Planning Commission. Planning Commission is likely to be rescheduled to April 21, 2021.
- Apr 2021: FL Solar 6 appeared before Alachua County Planning Commission on April 21, 2021 for a rehearing. The Planning Commission recommended the project for approval. Seller anticipates appearing before the BOCC on June 10, 2021.

#### **• Discussion of any unresolved issues, foreseeable disruptions, or delays**

- Jul 2020: None.
- Aug 2020: None.
- Sep 2020: None.
- Oct 2020: None.
- Nov 2020: None.
- Dec 2020: None.
- Jan 2021: None.
- Feb 2021: None.
- Mar 2021: Planning Commission is likely to be rescheduled for April 21, 2021. This delay is not anticipated to adversely affect SCOD.

- Apr 2021: The BOCC meeting is likely to be rescheduled to June 10, 2021. This delay is not anticipated to adversely affect SCOD.

#### **D. Seller Notice To Proceed**

- **Status update**
  - Jul 2020: Estimated May 2, 2022.
  - Aug 2020: No change.
  - Sep 2020: No change.
  - Oct 2020: No change.
  - Nov 2020: No change.
  - Dec 2020: No change.
  - Jan 2021: No change.
  - Feb 2021: No change.
  - Mar 2021: No change.
  - Apr 2021: Estimated April 15, 2022.
- **Discussion of any unresolved issues, foreseeable disruptions, or delays**
  - Jul 2020: None.
  - Aug 2020: None.
  - Sep 2020: None.
  - Oct 2020: None.
  - Nov 2020: None.
  - Dec 2020: None.
  - Jan 2021: None.
  - Feb 2021: None.
  - Mar 2021: None.
  - Apr 2021: None.

#### **E. Major Equipment Delivered to Site**

- **Status update**
  - Jul 2020: To be determined.
  - Aug 2020: No change.
  - Sep 2020: No change.
  - Oct 2020: No change.
  - Nov 2020: No change.
  - Dec 2020: No change.
  - Jan 2021: No change.
  - Feb 2021: No change.
  - Mar 2021: No change.
  - Apr 2021: Updates on page 1 reflect revisions to the anticipated schedule for Transformer Delivery, Major Equipment, and related milestones.
- **Discussion of any unresolved issues, foreseeable disruptions, or delays**

- Aug 2020: None.
- Aug 2020: None.
- Sep 2020: None.
- Oct 2020: None.
- Nov 2020: None.
- Dec 2020: None.
- Jan 2021: None.
- Feb 2021: None.
- Mar 2021: None.
- Apr 2021: None.

**F. Summary of significant events expected to occur in the next 30 days**

- **Status update**
  - Jul 2020: None.
  - Aug 2020: None.
  - Sep 2020: None.
  - Oct 2020: A Neighborhood Workshop is scheduled for November 17, 2020. The application to Alachua County for Special Exception is anticipated in late November.
  - Nov 2020: The application to Alachua County for Special Exception was submitted on November 30, 2020.
  - Dec 2020: None.
  - Jan 2021: The project will appear before the Alachua County Planning Commission on February 17, 2021.
  - Feb 2021: The project anticipates appearing before the Alachua County Board of County Commissioners (BOCC) on March 23, 2021.
  - Mar 2021: Due to the issues described in sections above, the project anticipates reappearing before the Planning Commission on April 21, 2021
  - Apr 2021: The project anticipates appearing before the BOCC on June 10, 2021.
- **Discussion of any unresolved issues, foreseeable disruptions, or delays**
  - Jul 2020: None.
  - Aug 2020: None.
  - Sep 2020: None.
  - Oct 2020: None.
  - Nov 2020: None.
  - Dec 2020: None.
  - Jan 2021: None.
  - Feb 2021: None.
  - Mar 2021: None.
  - Apr 2021: None

### **G. Scheduled Commercial Operation Date**

- **Status update**
  - Jul 2020: Seller anticipates SCOD to be reached on or before December 31, 2022.
  - Sep 2020: No change.
  - Sep 2020: No change.
  - Oct 2020: No change.
  - Nov 2020: No change.
  - Dec 2020: No change.
  - Jan 2021: No change.
  - Feb 2021: No change.
  - Mar 2021: No change.
  - Apr 2021: No change.
- **Discussion of any unresolved issues, foreseeable disruptions, or delays**
  - Jul 2020: None.
  - Aug 2020: None.
  - Sep 2020: None.
  - Oct 2020: None.
  - Nov 2020: None.
  - Dec 2020: None.
  - Jan 2021: None.
  - Feb 2021: None.
  - Mar 2021: None.
  - Apr 2021: None.

### **III. COVID-19 Pandemic Impact**

The COVID-19 pandemic is disrupting the solar industry. There is potential that the pandemic might directly affect the development and construction of the solar project. We are closely monitoring the situation as it evolves, however it is impossible to predict the impact the pandemic will ultimately have on the project, if any, at this stage.

The Agreement provides various reasons for a failure to perform due to a Force Majeure event. To date, Origis Energy has not been prevented from performing an obligation under the Agreement and therefore a Force Majeure event has not (yet) occurred. The COVID-19 pandemic may, however, delay or prevent performance. Therefore, Origis Energy at this stage reserves all rights and remedies it has under the PPA.

We want to assure you that Origis Energy & FL Solar 6 are diligently assessing and implementing measures to mitigate the impact on the project and will continue to use commercially reasonable efforts to complete the project on schedule. We will keep you informed of any material developments as they arise and are available to discuss the impact on the project in the intermediate.

*Report Completed: 3-May-21 JT*

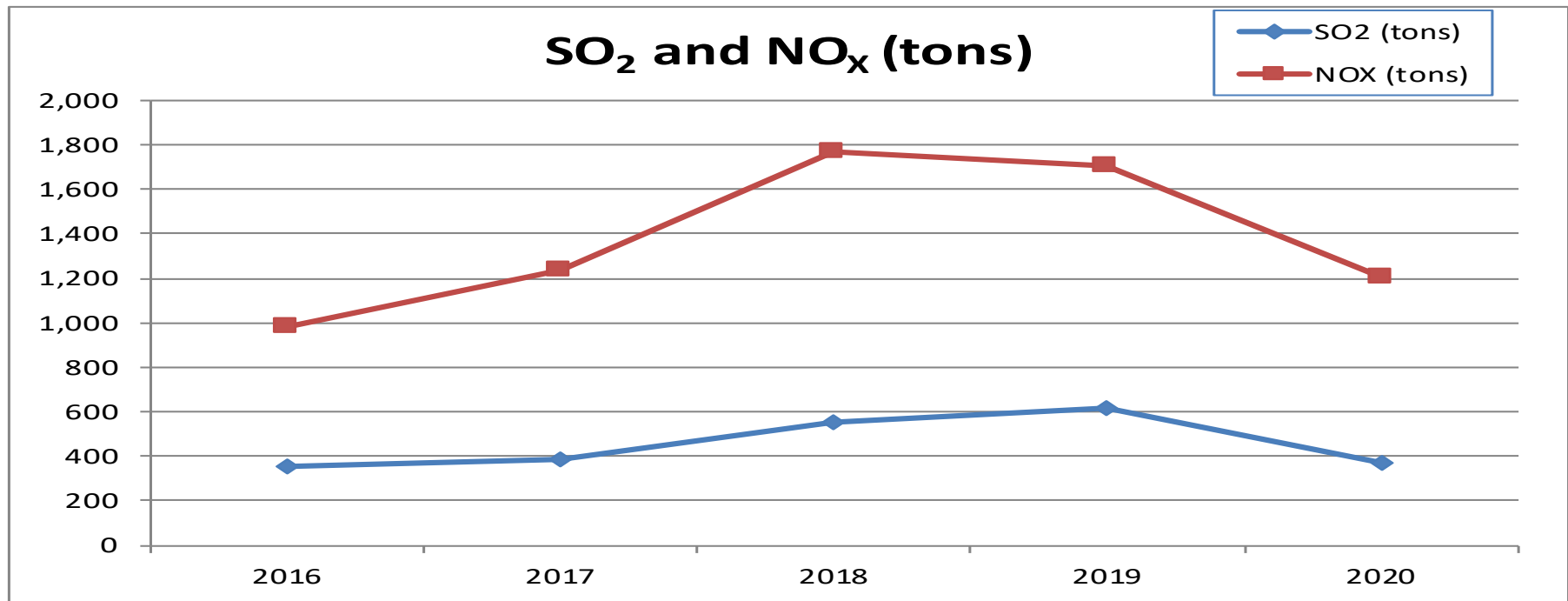
# ENVIRONMENTAL PERMITTING

## EMISSIONS DATA

## Yearly Emissions

	SO <sub>2</sub> (tons)	NO <sub>x</sub> (tons)	Mercury (lbs)	PM (tons)	CO <sub>2</sub> (tons)
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 April)	222	541	1.58	25.7	616,009

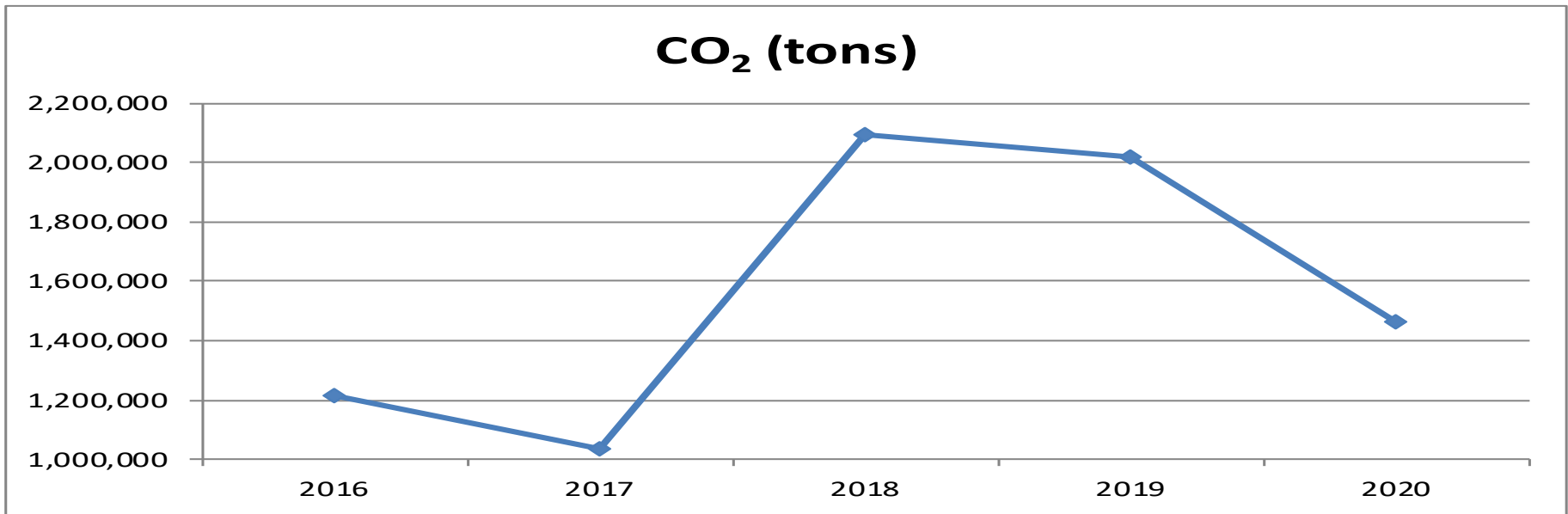
**2017, 2018, 2019 and 2020 Mercury and Particulate values are for Unit 2 only.**



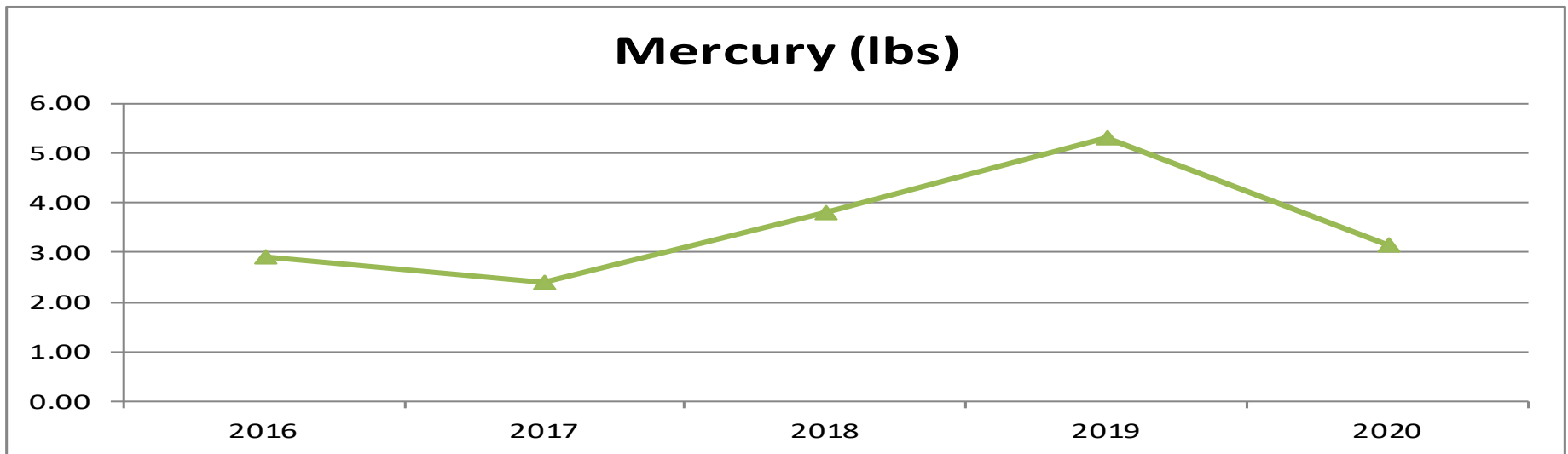
**SO<sub>2</sub> was lower in 2015, 2016, and 2017 due to higher removal rate settings to assure compliance**  
**NO<sub>x</sub> was higher in 2016 since it was more cost effective to use allowances than increase SCR removal**  
**2018 and later data include DHR. The previous years did not include DHR.**



## Yearly Emissions

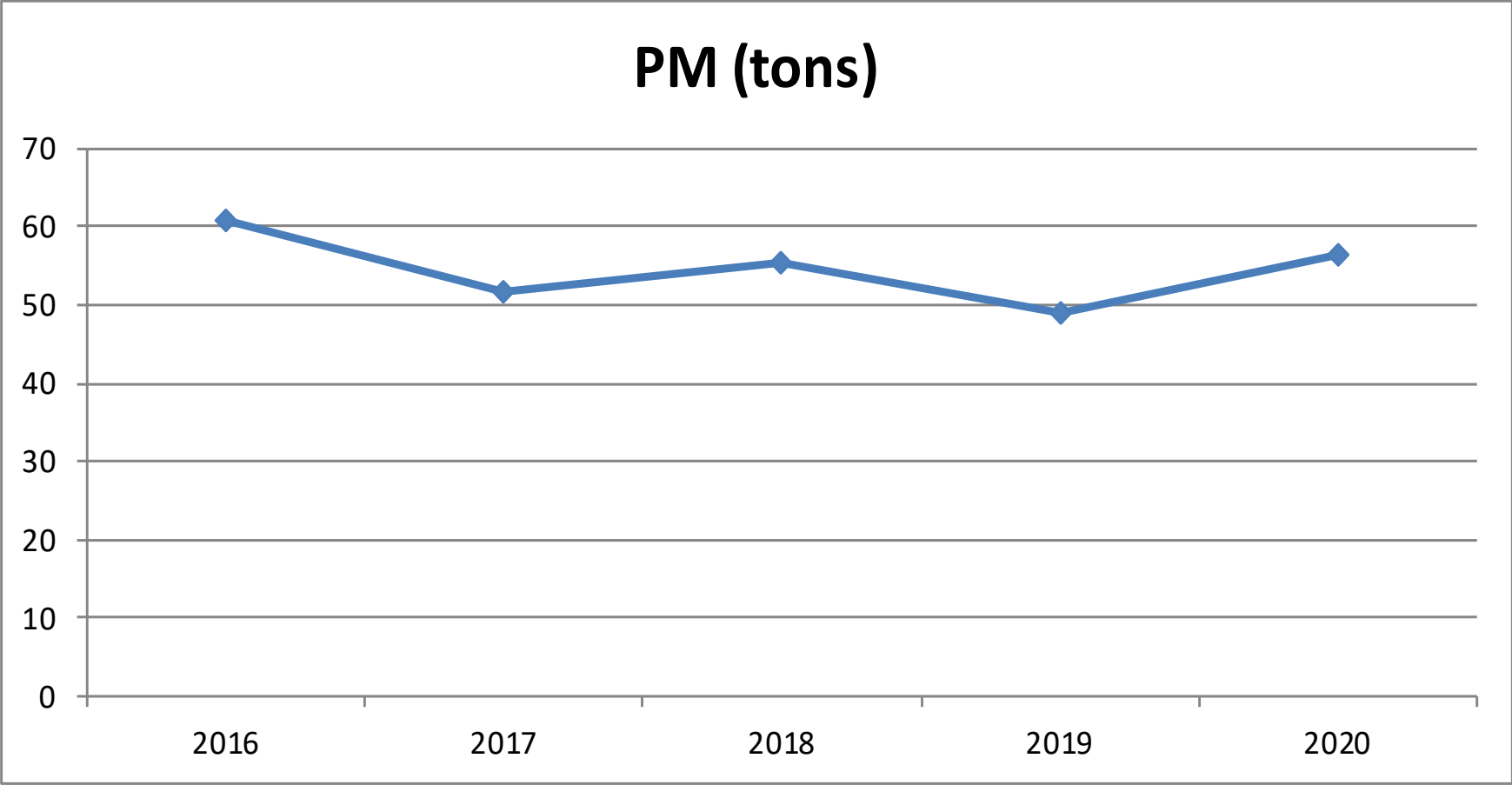


**2018 and later data include DHR. The previous years did not include DHR.**



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

# Yearly Emissions



**YTD - 2021 April**

	<b>SO<sub>2</sub> (tons)</b>	<b>NO<sub>x</sub> (tons)</b>	<b>Mercury (lbs)</b>	<b>PM (tons)</b>	<b>CO<sub>2</sub> (tons)</b>	<b>SO<sub>2</sub> Rate (lb/MMBtu)</b>	<b>NO<sub>x</sub> Rate (lb/MMBtu)</b>	<b>HTIP (MMBtu)</b>	<b>GEN (MW-hours)</b>
DH1	19.6	87.5			67,941.3			1,133,735.0	99,657.0
DH2	196.9	354.0	1.58	25.7	195,339.1			2,208,570.0	216,359.0
DHCT3	0.0	1.0			8,610.8			144,950.0	8,106.0
JRKCC1	0.1	7.3			28,781.0			484,291.6	58,898.0
DHR	5.7	91.0			315,336.6			3,022,931.3	221,451.0
<b>TOTAL</b>	<b>222.3</b>	<b>540.8</b>	<b>1.58</b>	<b>25.7</b>	<b>616,008.8</b>			<b>6,994,477.9</b>	<b>604,471.0</b>

**2021 - April**

	<b>SO<sub>2</sub> (tons)</b>	<b>NO<sub>x</sub> (tons)</b>	<b>Mercury (lbs)</b>	<b>PM (tons)</b>	<b>CO<sub>2</sub> (tons)</b>	<b>SO<sub>2</sub> Rate (lb/MMBtu)</b>	<b>NO<sub>x</sub> Rate (lb/MMBtu)</b>	<b>HTIP (MMBtu)</b>	<b>GEN (MW-hours)</b>
DH1	0.1	25.4			18,895.3			317,951.0	26,791.0
DH2	48.2	106.5	0.38	6.7	58,026.2			665,875.0	64,771.0
DHCT3	0.0	1.0			4,505.2			75,817.0	2,908.0
JRKCC1	0.0	0.0			43.1			725.6	0.0
DHR	1.3	20.3			69,893.9			670,180.8	47,709.0
<b>TOTAL</b>	<b>49.6</b>	<b>153.2</b>	<b>0.38</b>	<b>6.7</b>	<b>151,363.7</b>			<b>1,730,549.4</b>	<b>142,179.0</b>

WATER/WASTEWATER

PRODUCTION

MAINTENANCE

# Water/Wastewater April 2021 Dashboard

Production						
Murphree Water Treatment Plant						
		April 21	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	22.8	23.2	30	77%	
	Peak Daily Flow	26.0	25.0	54	46%	
Main Street Water Reclamation Facility						
		April 21	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	6.17	5.77	7.5	77%	
Kanapaha Water Reclamation Facility						
		April 21	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	12.1	11.6	14.9	78%	
Water Reclamation Facilities (Combined)						
		April 21	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	18.3	17.4	22.4	78%	
Maintenance						
Wastewater Collections						
		April 21 (Miles)	FYTD	Monthly Goal (miles)		
	Miles of gravity mains cleaned	5.08	54.68	5.0		
	Miles of gravity mains TV inspected	4.44	48.70	5.0		
Water Distribution						
		April 2021	FYTD	Monthly Goal		
	Number of Water Services Replaced	238	841	75		
SSO Monthly Summary						
		April 2021	YTD	GOAL (annual)		
	Sanitary Sewer Overflows	1	19	<22		

## Major Projects and Other Updates

**MWTP Backwash Tank:** Unplanned repair required on backwash tank. Repairing structural failures including the fill pipe.

**MSWRF Progressive Design Build** - Project Update: Process selection - Alternative 10 (Hybrid MBR); 24 Workshops (9 more to go); Submitted 19 tech Memos (5 more to go); Facility Master Plan Report

**KWRF Hypochlorite Skid Replacement Project:** Skids installed, pumps will be tested next week. Waiting on control integration for completion.

**KWRF East MCC Phase 1 Project:** Line stop being installed to replace the flowmeter station for Clarifier 3 & 4; New electrical gear and PLC panel for the clarifiers were installed this week

**Eastside Force Main** - Construction complete and force main is in service

**NW 34th St - FDOT relocation work for roadway:** Continued removal of old 16" force main and installation of new force main