

STATE OF THE UTILITY

Operational Update

September 2021

Item #210532

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

COMPLIANCE

ENVIRONMENTAL

REGULATORY

PERSONNEL

September 2021

Safety

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

Employees

	Year to Date		
	First Aid	Recordable	DART
	3	0	0
	6	9	3
	2	2	2
	1	9	3
	0	0	0
		20	

	Current Month		
	Miles Driven*	Recordable	Preventable
Administration	7,512	0	0
W/WW Systems	62,096	0	0
Energy Supply	672	0	0
Energy Delivery - Electric/Gas	100,305	1	1
GRUCom	7,623	0	0
Totals	178,208	1	1

*Mileage data is for August, 2021. September mileage will be reported in the October report.

Vehicles

	Year to Date		
	Miles Driven*	Recordable	Preventable
	94,800	0	0
	681,963	9	5
	16,796	0	0
	1,124,133	12	7
	74,540	0	0
	1,992,232	21	12

Mileage YTD through August 2021

Environmental

	Current Month
Notices of Violation	0

Calendar Year to Date
0

Emissions

DH1, DH2, DHCT3, JRKCC1

CO ₂ (tons)	104,113
NO _x (tons)	109
SO ₂ (tons)	37

794,132
1,040
432

DH Unit 2 (only)

PM _{FILT} (tons)	4
Hg (lbs)	0.36

50
2.98

DHR

CO ₂ (tons)	86,555
NO _x (tons)	25
SO ₂ (tons)	2

738,052
213
13

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

0
0

Fiscal Year to Date

6*
2

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

Personnel

	AUTHORIZED FTE	FILLED FTE	VACANCY	Last Month August)
Administration				
Chief Operating Officer				
Customer Support Services				
Energy Delivery				
Energy Supply				
Finance				
GRUCom				
Information Technology				
Water Wastewater				

September Data not Available at this Time

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 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

- None reported

JUNE

- 6/2/21 - While climbing down off an excavator, he felt discomfort in his lower back which became worse. (DART)
- 6/12/21 - While doing house keeping employee tripped on pallet with steel plate in hand. Smashed thumb between plate and floor. (DART)
- 6/22/21 - While walking to the ICE Tech shop, employee slipped in an area of mud and fell, straining her back.

JULY

- 7/7/21 - While unlocking a 4" hose from the back of a tank truck, the fitting bound up. While getting it loose, it came loose suddenly, hitting the employee in the right cheek causing a laceration to the face.
- 7/8/21 - Employee jarred back after road caved in under loader tire during travel. (DART)
- 7/19/21 - While at the console in the Main Street Operations room, an employee turned around in the chair and struck his right knee against the brace under the counter causing a contusion.

AUGUST

- 8/5/21 – While getting out a knife in the kitchen, the knife slipped out of his hand and he tried to catch it with his right hand, causing a laceration on his right ring finger.

SEPTEMBER

- 9/14/21 – Employee opened a gate on a board fence and was stung 2-3 time by small wasps (left rib area and left wrist)
- 9/21/21 – While going through bushes to read an electric meter a stick scratched employee's right eye
- 9/28/21 – While walking on uneven ground, employee felt pain in left leg

End of FY 2021

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

- 5/11/21 - Employee backed into a car pulling into a parking lot scratching car wheel. (P)
- 5/19/21 - While pulling out from an apartment complex, our driver thought the oncoming lane was clear, but as another car came into view, our driver stopped. The citizen swerved to avoid and hit a curb in the median. (P)
- 5/20/21 - Employee was pulling out into heavy traffic when he thought he had an opening but struck a vehicle with his bumper causing damage. The employee did not give the other vehicle enough time to go by.(P)
- 5/25/21 - Employee was waiting in southbound outside lane when hit from behind by a private driver that failed to stop. Minor bumper damage was the result of the collision.
- 5/27/21 - Employee was rear ended while waiting in westbound traffic. Private party indicated that their brakes had failed. Bumper damage and minor body damage were the result of the collision.

JUNE

- 6/4/21 – Traveling N. on 28 Terr. U1242 was hit on the passenger's side by a private vehicle that failed to yield the ROW.
- 6/14/21 – While driving a service truck and towing a trailer, the driver thought there wasn't any oncoming traffic and made a left turn. There were oncoming vehicles behind a stopped truck and one of them collided with the back portion of our trailer. There were no reported injuries at the site.
- 6/24/21 – GRU employee rear ended a private driver that cut in front of the GRU bucket truck and braked hard. Private driver braked hard again after pulling up and vehicles collided again while moving over in heavy traffic and rain.

JULY

- None reported

AUGUST

- 8/3/21 – Employee was following a vehicle up to a stop sign. Employee looked to his left to access oncoming traffic and when he looked back the car had stopped. Our vehicle struck the rear end of the other vehicle causing damage to the trunk and rear window. (P)
- 8/4/21 – A service truck towing a trailer was rear-ended by a car while stopped in traffic. No injuries reported, but significant damages to the trailer and the car that hit them.
- 8/6/21 – Private driver backed out of their driveway and failed to yield the right of way to the GRU vehicle driving on the street. GRU employee stopped and blew the horn, but could not prevent the collision.
- 8/17/21 – The GRU truck had turned right onto Archer Road and was travelling straight when another vehicle changed lanes colliding with the front left corner of the GRU truck.
- 8/19/21 – While an employee was backing a dump truck in a work area, the truck clipped the front left fender of a parked GRU truck, damaging the headlight and housing area. (P)
-

SEPTEMBER

- 9/10/21 – Trailer U1710 caught rear bumper of private vehicle parked partially in road during right hand turn.

End of FY 2021

Utility Advisory Board Monthly Report – FY 2021 NERC compliance

Penalty violations

<u>Determination date</u>	<u>Description</u>
8/30/2021 (FY2020)	Failure to update baseline documents within 30 days of a change to a cyber-asset. Penalty = \$0

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
6/29/2021	Over-generation per RC operating instruction. Clock-minute average of Reporting ACE exceeds clock-minute Balancing Authority ACE Limit (BAAL) for 34 consecutive clock-minutes (NERC allows up to 30 minutes)

Potential violations (Pending regulatory agency determination)

<u>Report date</u>	<u>Description</u>
7/8/2021	Smartphone connected to generation cyber system before virus scan

CUSTOMER SUPPORT SERVICES

Customer Operations

New Services

Revenue Assurance

Customer Operations Metrics Summary September 2021

Active Accounts	Sep-21	YTD Gain/Loss	FY20
<i>Residential Contract Accounts</i>			
Total	95,097	1,232	93,865
Electric	87,705	974	86,731
Gas	34,732	527	34,205
Water	64,734	505	64,229
Wastewater	60,468	434	60,034
Telecomm	0	(87)	87

New Installations	Sep-21	FY21 To Date	FY20
Electric	119	1833	2430
Gas	52	775	558
Water	59	771	744
Wastewater	55	777	667
Telecomm	0	18	131

Call Center Volume	Sep-21	FY21 To Date	FY20
Residential ASA	0:22:26	0:16:46	0:03:41
Business ASA	0:04:22	0:03:42	0:02:27
CSR Calls	17,369	215,887	188,834
CSR Callbacks	5,336	47,189	12,488
IVR Self Service	15,935	189,977	201,731
Total	38,640	453,053	403,053
IVR/Total	41%	42%	50%

Bills Generated	Sep-21	FY21 To Date	FY20
Paper Bills	65,631	1,091,777	1,301,286
eBills	23,233	261,591	237,475
Total	88,864	1,353,368	1,538,761
eBill/Total	26%	19%	15%

Payment Arrangements	Sep-21	FY21 To Date	FY20
Total	646	8,419	7,129

Customer Experience	Sep-21	FY21 To Date	FY20
Overall CSAT	3.90	3.96	N/A
Number of Responses	205	2,462	N/A
Number of Surveys Sent	3,132	28,719	N/A
Response Rate	7%	9%	N/A

Active Accounts	Sep-21	YTD Gain/Loss	FY20
<i>Nonresidential Contract Accounts</i>			
Total	13,195	(425)	13,620
Electric	11,043	11	11,032
Gas	1,665	(1)	1,666
Water	5,905	(6)	5,911
Wastewater	4,678	6	4,672
Telecomm	0	(403)	403

Residential Disconnects	Sep-21	FY21 To Date	FY20
Volume	1,404	14,313	7,791
Average Balance	\$251.36	\$243.10	\$175.34

Revenue Assurance	Sep-21	FY21 To Date	FY20
Referred to Collections	\$166,745.47	\$1,972,070.41	\$1,495,829.79
Recovered	\$81,495.71	\$1,093,335.45	\$804,667.00

Service Orders	Sep-21	FY21 To Date	FY20
Move Ins	8,139	114,586	106,868
Move Outs	7,709	112,065	106,929

Average Res Bill Amounts	Sep-21	FY21 To Date	FY20
Electric (kWh)	1,075	819	830
Electric (\$)	\$154.73	\$119.78	\$124.21
Gas (Therms)	10	21	18
Gas (\$)	\$22.63	\$33.99	\$32.65
Water (kGals)	5	5	5
Water (\$)	\$31.90	\$30.64	\$31.49
Wastewater (kGals)	5	5	5
Wastewater(\$)	\$36.45	\$36.96	\$37.67

Annual Relationship	Sep-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 - September 2021

Durations Reliability Report Between 09/01/2021 and 09/30/2021				
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)	99.9880%	
Total Hours of Customer Demand	71,955,360	System Average Interruption Duration Index (SAIDI)	5.20	4.5
Total Number of Outages	62	Customer Average Interruption Duration Index (CAIDI)	60.22	60
Total Number of Customers Affected (CI)	8,633	System Average Interruption Frequency Index (SAIFI)	0.09	0.08
Total Customer Minutes Interrupted (CMI)	519,912			
Total Customer "Out Minutes"	7,909	Average Length of a Service Interruption (L-Bar)	127.56 Mins	
Cause of Outages				
Cause	Overhead	Underground	Both	Total
0. Undetermined	9	1	0	10
1. Weather	2	0	0	2
2. Vegetation	21	0	0	21
3. Animals	3	0	0	3
4. Foreign Interference	0	0	0	0
5. Human Cause	1	1	2	4
6. Equipment Failure	7	13	2	22
7. All Remaining Outages	0	0	0	0
Total	43	15	4	62

Durations Reliability Report Between 01/01/2021 and 09/30/2021*				
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)	99.9840%	
Total Hours of Customer Demand	654,793,776	System Average Interruption Duration Index (SAIDI)	63.03	40.5
Total Number of Outages	679	Customer Average Interruption Duration Index (CAIDI)	59.14	60
Total Number of Customers Affected (CI)	106,499	System average Interruption Frequency Index (SAIFI)	1.07	0.72
Total Customer Minutes Interrupted (CMI)	6,298,850			
Total Customer "Out Minutes"	120,381	Average Length of a Service Interruption (L-Bar)	182.29 Mins	
Cause of Outages				
Cause	Overhead	Underground	Both	Total
0. Undetermined	47	2	3	52
1. Weather	51	6	3	60
2. Vegetation	248	9	18	275
3. Animals	68	4	4	76
4. Foreign Interference	0	0	0	0
5. Human Cause	26	6	7	39
6. Equipment Failure	36	95	29	160
7. All Remaining Outages	0	0	8	8
Total	476	122	72	670
* 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 municipal
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 - September 2021

Electric System Consumption

	2021		2020	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Feed-In-Tariff - Residential	26 KWH	110	75 KWH	101
Feed-In-Tariff - General Service	3,000 KWH	170	2,625 KWH	158
Electric - GS - Demand - Regular	58,343,826 KWH	1,145	55,450,384 KWH	1,184
Electric - General Service Demand PV	1,148,617 KWH	21	863,455 KWH	22
Electric - GS - Kanapaha w Curtail Cr	1,141,200 KWH	1	1,152,000 KWH	1
Electric - GS - Demand - Large Power	9,113,400 KWH	7	8,757,600 KWH	6
Electric - GS - Murphree Curtail Credit	1,408,800 KWH	1	1,480,800 KWH	1
Electric - GS Large Demand PV	5,119,200 KWH	2	5,109,600 KWH	2
Electric - GS - Non Demand	18,493,141 KWH	9,970	17,110,400 KWH	9,904
Electric - General Service PV	234,061 KWH	78	187,145 KWH	72
Electric - Lighting - Rental	927,821 KWH	3,898 <i>n</i>	922,243 KWH	3,945 <i>n</i>
Electric - Lighting - Street - City	4,821 KWH	11 <i>n</i>	559,329 KWH	12 <i>n</i>
Electric - Lighting - Street - County	0 KWH	0 <i>n</i>	132,165 KWH	2 <i>n</i>
Electric - Lighting - Traffic	144 KWH	1	4,542 KWH	2
Electric - Residential - Non TOU	91,228,984 KWH	89,482	90,736,804 KWH	88,214
Electric - Residential PV	579,778 KWH	684	478,071 KWH	489
Total Retail Electric	187,746,819 KWH	101,672	182,947,238 KWH	100,156
City of Alachua	15,154,425 KWH	18,811	12,603,650 KWH	27,698
Total (Native) Electric	202,901,244 KWH		195,550,888 KWH	

(n =not included in total customer count)

Gas System Consumption

	2021		2020	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Gas - GS - Regular Service (Firm)	641,541 THM	1,329	563,385 THM	1,349
Gas - GS - Regular Service (Small)	7,307 THM	353	5,530 THM	324
Gas - GS - Interruptible - Regular Serv	16,000 THM	1	25,506 THM	1
Gas - GS - Interruptible - Large Volume	384,560 THM	7	362,999 THM	7
Gas - Residential - Regular Service	330,602 THM	35,105	319,940 THM	34,413
Total Retail Gas	1,380,010 THM	36,795	1,277,360 THM	36,094
Gas - GS - UF Cogeneration Plant	1,716,096 THM	1	2,907,253 THM	1
Gas - Residential - LP - Basic Rate	2,506 GAL	201	2,530 GAL	202

Energy Delivery - UAB Report - September 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
- > Serenola Main Line Improvements
- > Oaks Preserve Subdivision (295 single-family residences)

Major Gas Design Projects

- > Main Installation – Parker Rd – 8000' 8" PE
- > Main Installation – Flint Rock Sub – SW 122nd St – 15,576'
- > Main Installation – Nance – SW 8th Ave – 955'
- > Main Installation – UF Auxiliary Library – NE 39th Ave – 831'
- > Annual PSC Inspection

Gas Services installed in September 2021: 35 new customers

ENERGY SUPPLY

SYSTEM STATISTICS

ENERGY DISTRIBUTION

FUEL

September 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
57,177	615,478	340,802	274,676
17,106	248,189	119,168	129,021
70,370	482,644	694,972	(212,328)
(208)	9,978	2,557	7,421
(22,182)	125,138	256,551	(131,413)
55,175	494,675	511,027	(16,352)

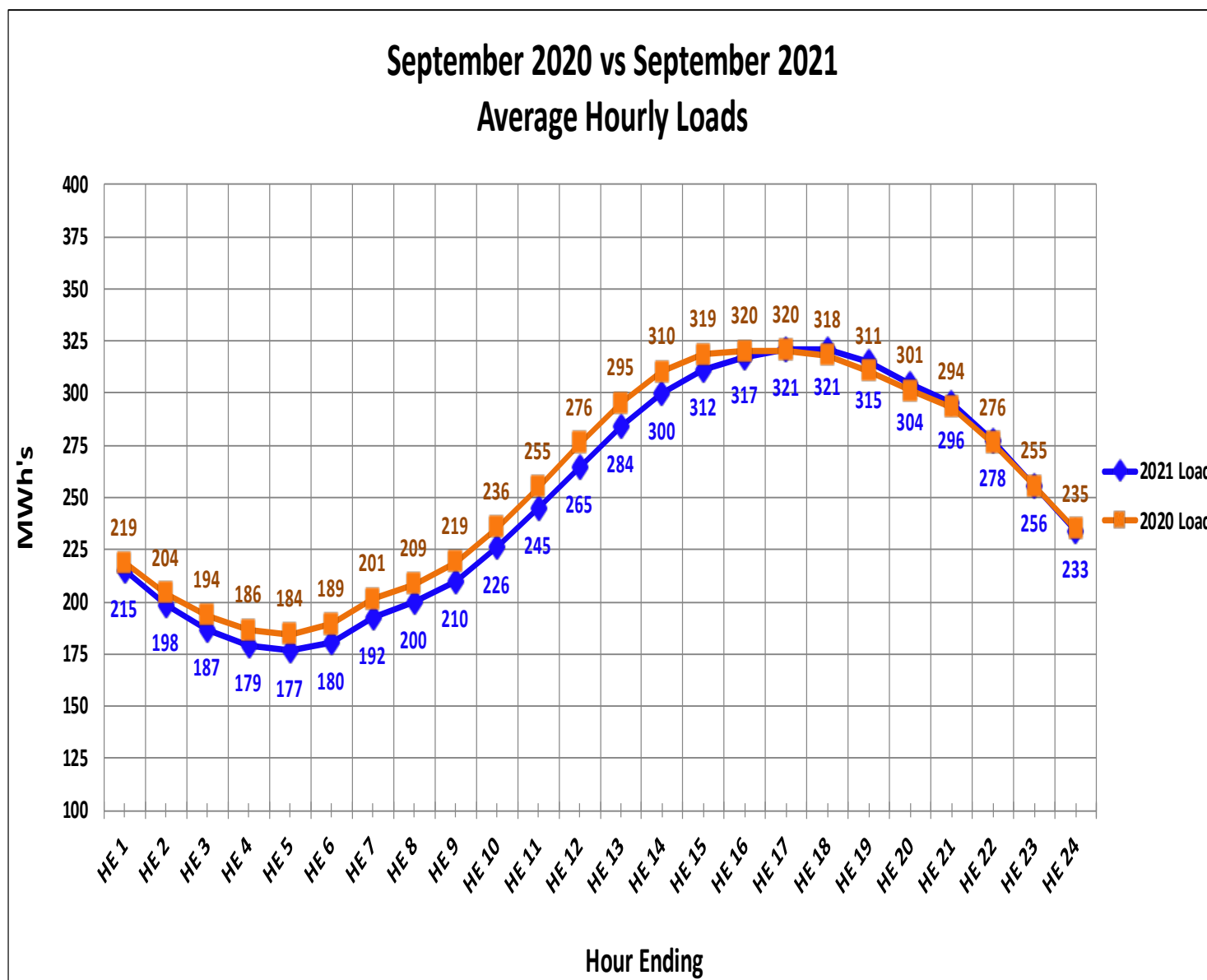
Fuels Consumed

	Month	FYTD	Budget YTD	Delta Budget
Coal - Tons	10,294	158,826	197,815	(38,989)
Gas - MCF	1,266,573	11,618,768	7,723,375	3,895,393
Fuel oil - Gals	-	206,669	-	206,669
Biomass - Tons	73,325	654,845	879,166	(224,321)

Availability/Capacity

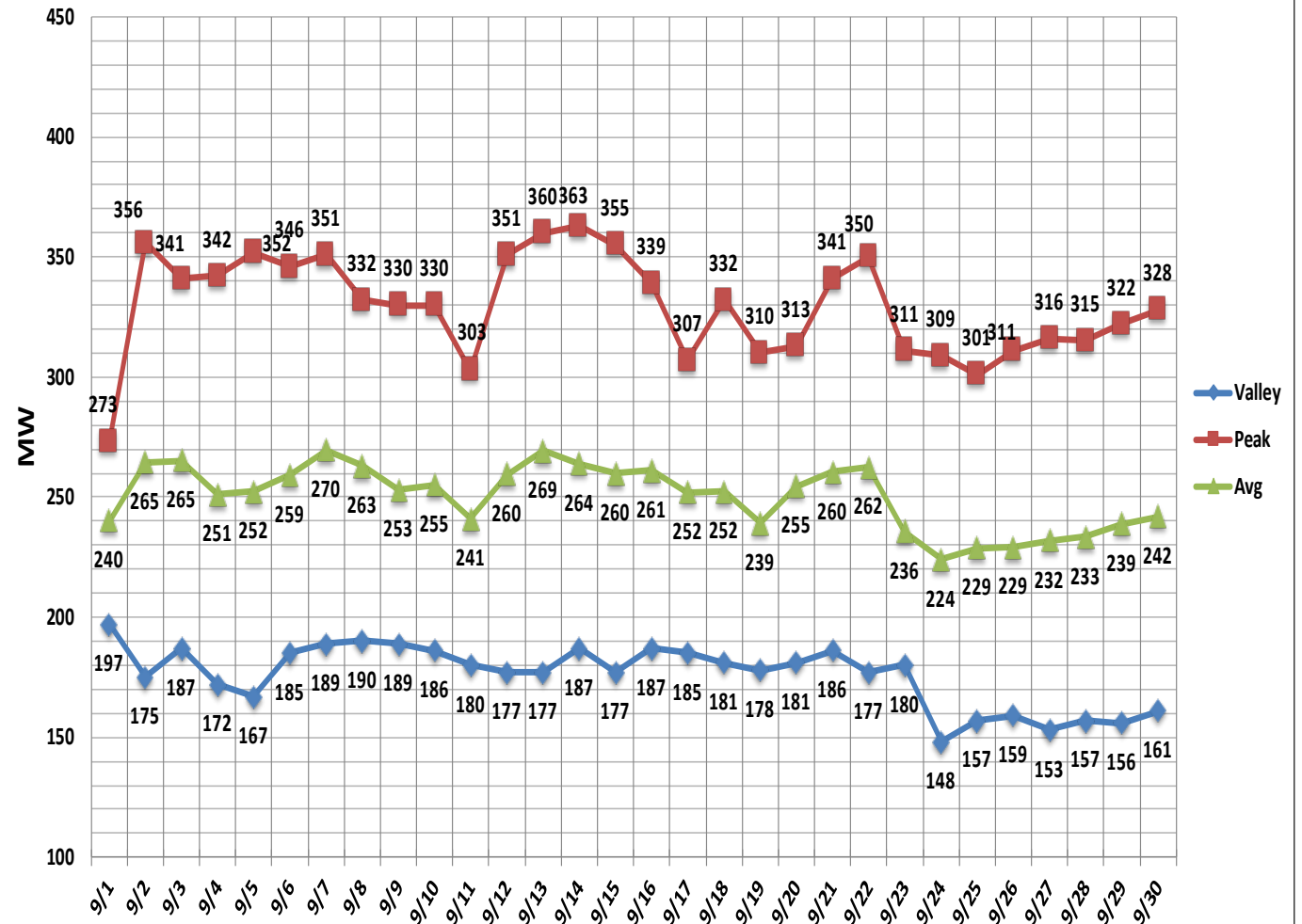
	Availability			Capacity		
	Month	FY 2021 YTD	FY 2020 YTD	Month	FY 2021 YTD	FY 2020 YTD
DH-2	98.43%	90.10%	79.84%	37.53%	33.28%	13.44%
DH-1	100.00%	99.20%	91.96%	33.50%	39.43%	33.48%
Kelly CC	100.00%	64.13%	94.14%	89.30%	49.91%	85.89%
DH CT-1	98.74%	95.55%	97.40%	0.03%	0.15%	0.24%
DH CT-2	99.28%	95.21%	96.83%	0.00%	0.12%	0.23%
DH CT-3	100.00%	99.11%	99.59%	0.02%	1.69%	1.82%
DHR	99.11%	81.62%	89.14%	77.09%	57.53%	51.77%

September Average Hourly Loads		
Hour Ending	2020 Load	2021 Load
HE 1	219	215
HE 2	204	198
HE 3	194	187
HE 4	186	179
HE 5	184	177
HE 6	189	180
HE 7	201	192
HE 8	209	200
HE 9	219	210
HE 10	236	226
HE 11	255	245
HE 12	276	265
HE 13	295	284
HE 14	310	300
HE 15	319	312
HE 16	320	317
HE 17	320	321
HE 18	318	321
HE 19	311	315
HE 20	301	304
HE 21	294	296
HE 22	276	278
HE 23	255	256
HE 24	235	233



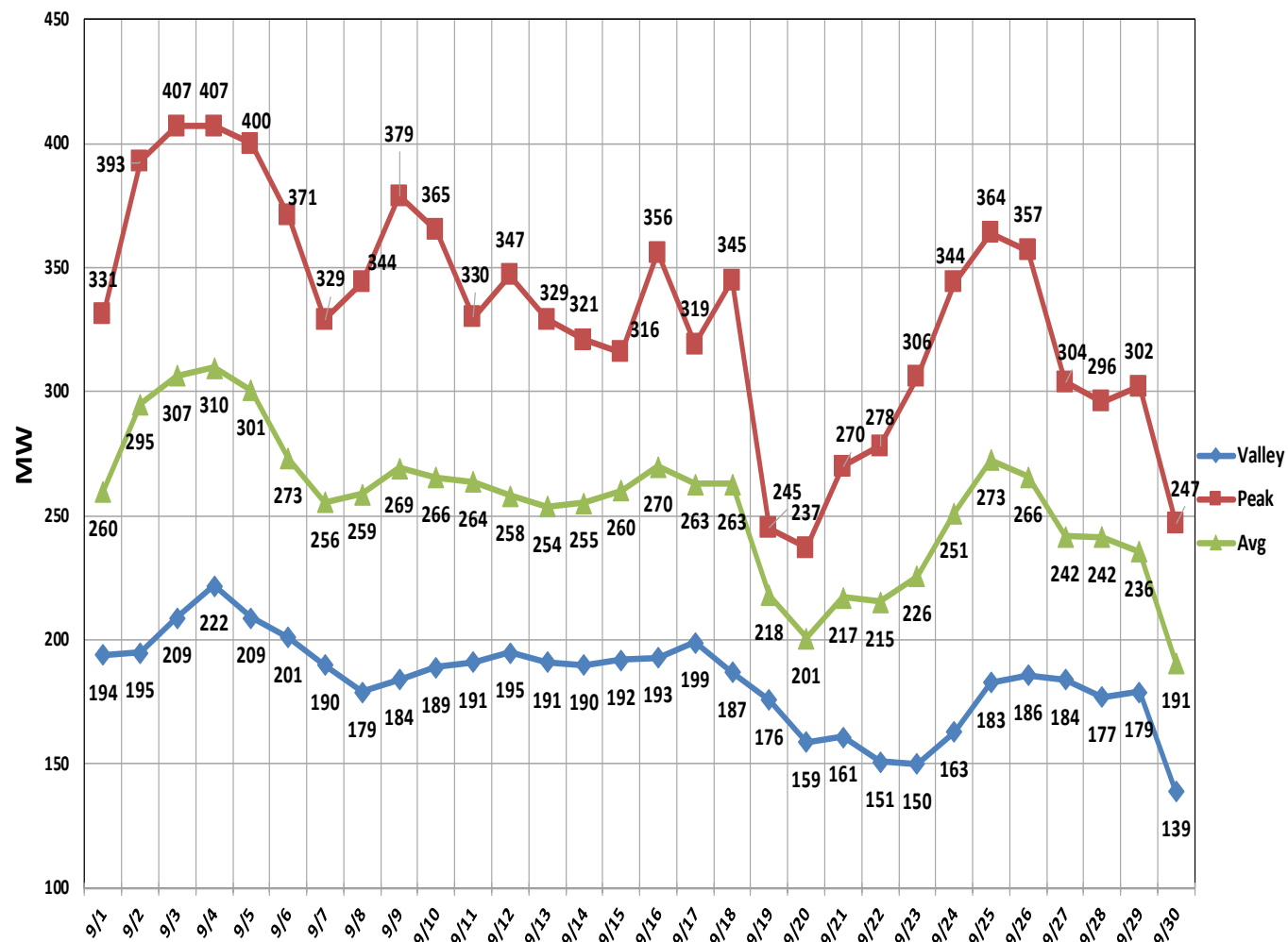
Date	Valley	Peak	Avg
9/1/2021	197	273	240
9/2/2021	175	356	265
9/3/2021	187	341	265
9/4/2021	172	342	251
9/5/2021	167	352	252
9/6/2021	185	346	259
9/7/2021	189	351	270
9/8/2021	190	332	263
9/9/2021	189	330	253
9/10/2021	186	330	255
9/11/2021	177	303	241
9/12/2021	177	351	269
9/13/2021	177	360	264
9/14/2021	187	363	260
9/15/2021	177	355	261
9/16/2021	187	339	252
9/17/2021	185	307	252
9/18/2021	181	310	239
9/19/2021	178	313	255
9/20/2021	181	341	260
9/21/2021	186	350	262
9/22/2021	177	311	236
9/23/2021	180	309	224
9/24/2021	148	303	229
9/25/2021	157	311	229
9/26/2021	159	316	232
9/27/2021	153	315	233
9/28/2021	157	322	239
9/29/2021	156	328	242
9/30/2021	161		

September 2021 Peak, Valley, and Average Loads



Date	Valley	Peak	Avg
9/1/2020	194	331	260
9/2/2020	195	393	295
9/3/2020	209	407	307
9/4/2020	222	407	310
9/5/2020	209	400	301
9/6/2020	201	371	273
9/7/2020	190	329	256
9/8/2020	179	344	259
9/9/2020	184	379	269
9/10/2020	189	365	266
9/11/2020	191	330	264
9/12/2020	195	347	258
9/13/2020	191	329	254
9/14/2020	190	321	255
9/15/2020	192	316	260
9/16/2020	193	356	270
9/17/2020	199	319	263
9/18/2020	187	345	263
9/19/2020	176	245	218
9/20/2020	159	237	201
9/21/2020	161	270	217
9/22/2020	151	278	215
9/23/2020	150	306	226
9/24/2020	163	344	251
9/25/2020	183	364	273
9/26/2020	186	357	266
9/27/2020	184	304	242
9/28/2020	177	296	242
9/29/2020	179	302	236
9/30/2020	139	247	191

September 2020 Peak, Valley, and Average Loads



Date: As of October 5, 2021: Major Energy Supply Projects/Milestones Updates:

1. Deerhaven Generating Station (DH):

a. Deerhaven Unit #2(DH2):

- i. Boiler Economizer tube leak discovered on 9/30/2021. Unit brought down for forced outage to conduct repairs on 10/2/2021. Upon inspection we found 2 boiler tube leaks, and repairs were made on 10/3/2021. Unit restored to service 10/5/2021.
- ii. The retrofit project continues to progress and through testing we have 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. We are going to continue full load testing as gas header pressure allows, so we can determine the maximum load we can achieve on 100% natural gas. This may not be 100% achievable until modification to gas lines to Deerhaven Generating Station are complete. Currently longer term Florida Gas Transmission (FGT) is going to complete and upgrade to the gas supply lines to fully resolve this, and the expectation is for this modification to be complete by July of 2022. In parallel with this testing we have still been seeing some sluggish operation on the main gas valve. In working with the contractor (B&W) we have now completely replace the Main Gas Valve actuator, and will begin retesting this when unit restored to service following forced outage.
- iii. We have received 3 coal trains this year and working on 3 other trains for delivery latter this fall.
- iv. The planned outage that was set to start on 10/2/2021 will now be moved to the fall. Due to the vaccine mandate for employees, and this same requirement being discussed for Contractors, we were not able to get the resources we needed for this fall outage. Even after vaccine mandate for employees was postponed, and mandate for contractors never actually occurred, the damage to getting our required resources already occurred and contractors did not have the staff to support our outage needs.

b. Deerhaven Unit #1 (DH1)

- i. We are still working with vendors on scope and cost of a life time 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. Budgetary estimated for this lifetime assessment, and associated outage in FY2022 is still in our budget submittals, and will require partial carry forward to FY2023.

2. Kelly Generating Station (JRK):

- a. Unit #8 Turbine & Generator replacement has been completed and unit has been a remarkable success. Warranty outage being planned for the late spring of 2022.

3. South Energy Center (SEC):

- a. Solar engine emission testing will be schedule once we replace the SCR catalyst that is on track to be installed in late October.

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

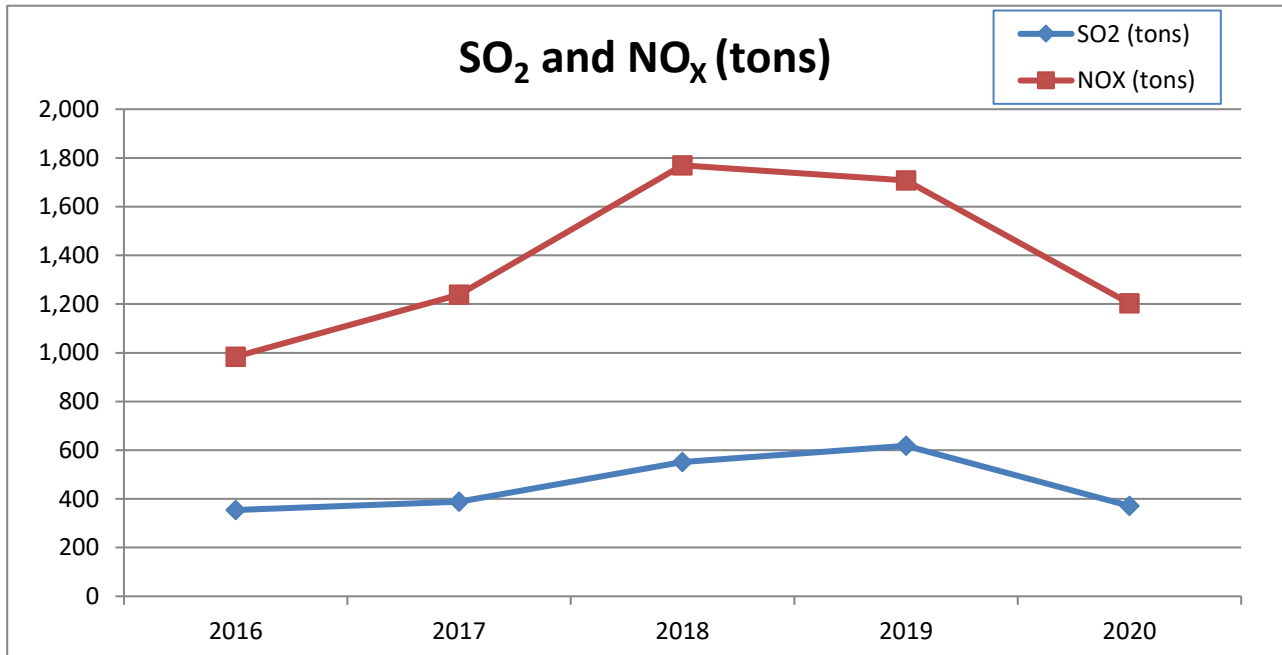
ENVIRONMENTAL PERMITTING

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 Sept.)	445	1,253	2.98	50.1	1,532,183

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

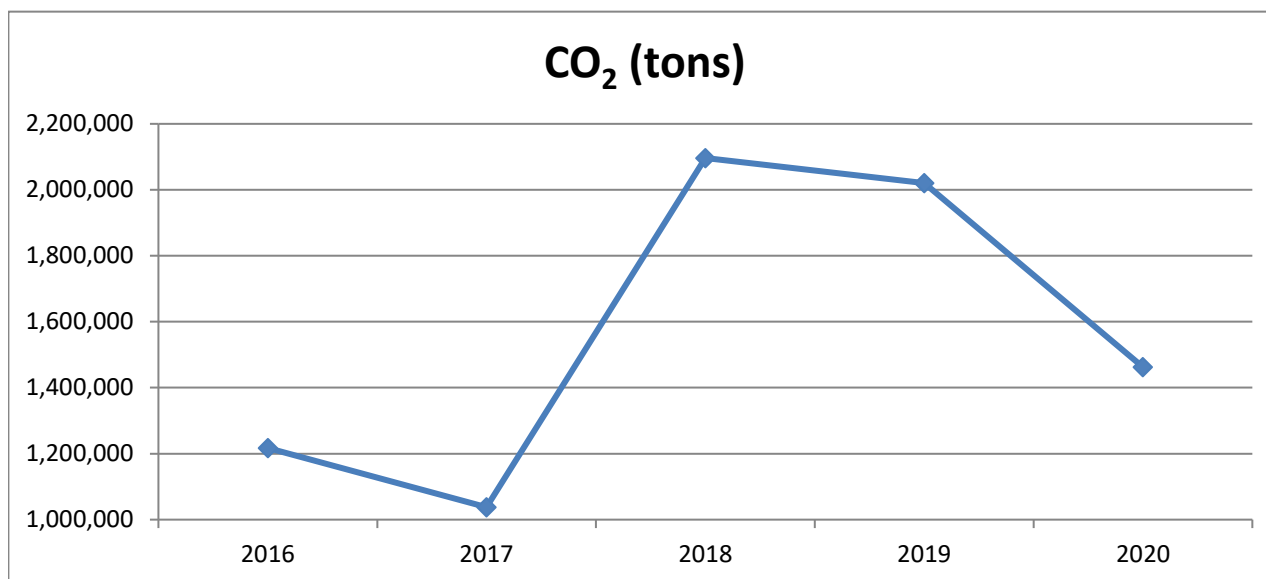


SO₂ was lower in 2015, 2016, and 2017 due to higher removal rate settings to assure compliance with the MATS Rule.

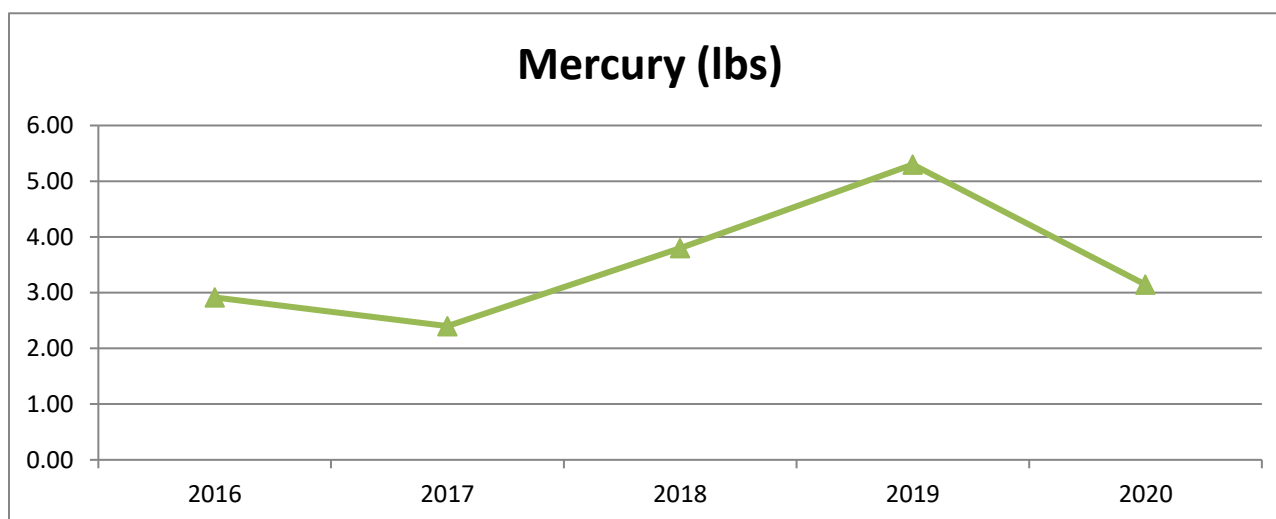
NO_x was higher in 2016 since it was more cost effective to use allowances than increase SCR removal rate. NO_x was higher in 2017 since the Cross State Rule was no longer in effect for Florida.

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

Yearly Emissions

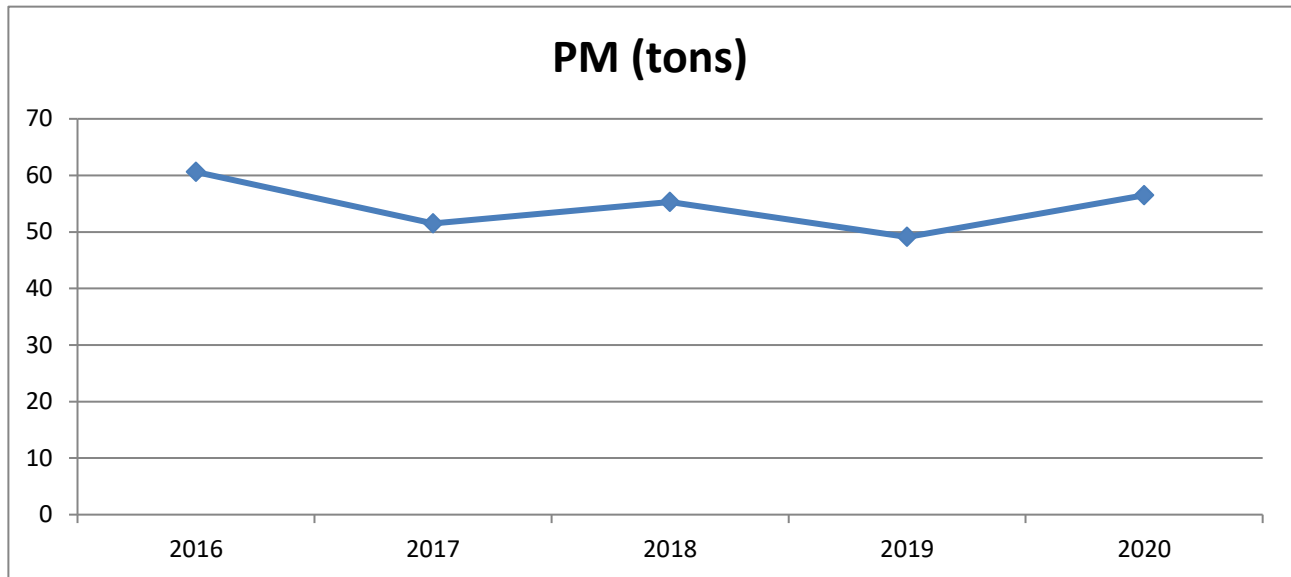


2018 and later data include DHR. The previous years did not include DHR.



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

Yearly Emissions



YTD - 2021 September

	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	21.3	189.1			146,976.1			2,463,063.0	211,433.0
DH2	409.6	815.2	2.98	50.1	474,971.3			5,774,128.0	554,795.0
DHCT3	0.1	0.4			9,940.4			167,306.0	11,676.0
JRKCC1	0.7	35.7			162,244.0			2,730,053.5	298,299.0
DHR	13.2	212.6			738,051.5			7,072,058.8	527,784.0
TOTAL	444.9	1,253.0	2.98	50.1	1,532,183.3			18,206,609.3	1,603,987.0

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	21.3	189.1			146,976.1			2,463,063.0	211,433.0
DH2	409.6	815.2	2.98	50.1	474,971.3			5,774,128.0	554,795.0
DHCT3	0.1	0.4			9,940.4			167,306.0	11,676.0
JRKCC1	0.7	35.7			162,244.0			2,730,053.5	298,299.0
Total Without DHR	431.7	1,040.4	2.976	50.1	794,131.8			11,134,550.5	1,076,203.0

2021 - September

	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	20.0			14,615.4			245,933.0	19,084.0
DH2	36.7	81.9	0.36	4.0	52,827.1			704,036.0	67,302.0
DHCT3	0.0	0.0			41.1			692.0	45.0
JRKCC1	0.2	7.1			36,629.4			616,375.6	71,058.0
DHR	1.5	25.0			86,555.0			829,058.9	63,385.0
TOTAL	38.5	134.0	0.36	4.0	190,668.0			2,396,095.5	220,874.0

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	20.0			14,615.4			245,933.0	19,084.0
DH2	36.7	81.9	0.36	4.0	52,827.1			704,036.0	67,302.0
DHCT3	0.0	0.0			41.1			692.0	45.0
JRKCC1	0.2	7.1			36,629.4			616,375.6	71,058.0
Without DHR	37.0	109.0	0.364	4.0	104,113.0			1,567,036.6	157,489.0

WATER/WASTEWATER

PRODUCTION

MAINTENANCE

Water/Wastewater September 2021 Dashboard

Production						
Murphree Water Treatment Plant						
		September 21	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	23.3	23.2	30	77%	
	Peak Daily Flow	25.8	25.8	54	48%	
Main Street Water Reclamation Facility						
		September 21	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	7.97	6.53	7.5	87%	
Kanapaha Water Reclamation Facility						
		September 21	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	15.3	12.8	14.9	86%	
Water Reclamation Facilities (Combined)						
		September 21	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	23.3	19.3	22.4	86%	
Maintenance						
Wastewater Collections						
		Sept 2021 (Miles)	FYTD	Monthly Goal (miles)		
	Miles of gravity mains cleaned	3.08	76.66	5.0		
	Miles of gravity mains TV inspected	3.59	69.38	5.0		
Water Distribution						
		Sept 2021	FYTD	Monthly Goal		
	Number of Water Services Replaced	99	1,355	75		
SSO Monthly Summary						
		Sept 2021	YTD	GOAL (annual)		
	Sanitary Sewer Overflows	4	34	<22		