

# STATE OF THE UTILITY

Operational Update

August 2021

Item #210400

# OPERATIONS SUMMARY

CORPORATE SAFETY

COMPLIANCE

ENVIRONMENTAL

REGULATORY

PERSONNEL

August 2021

**Safety**

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

Employees

	Year to Date		
	First Aid	Recordable	DART
	3	0	0
	6	9	3
	2	2	2
	1	6	3
	0	0	0
		17	

	Current Month		
	Miles Driven*	Recordable	Preventable
Administration	8,617	0	0
W/WW Systems	73,001	3	1
Energy Supply	1,387	0	0
Energy Delivery - Electric/Gas	100,271	2	1
GRUCom	6,995	0	0
Totals	190,271	5	2

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

Vehicles

	Year to Date		
	Miles Driven*	Recordable	Preventable
	87,288	0	0
	619,867	9	6
	16,124	0	0
	1,023,828	11	6
	66,917	0	0
	1,814,024	20	12

Mileage YTD through July 2021

**Environmental**

	Current Month		Calendar Year to Date	
Notices of Violation		0		0
Emissions				
DH1, DH2, DHCT3, JRKCC1				
CO <sub>2</sub> (tons)		109,606		690,021
NO <sub>x</sub> (tons)		109		931
SO <sub>2</sub> (tons)		31		395
DH Unit 2 (only)				
PM <sub>FILT</sub> (tons)		4		46
Hg (lbs)		0.32		2.61
DHR				
CO <sub>2</sub> (tons)		86,840		651,496
NO <sub>x</sub> (tons)		25		188
SO <sub>2</sub> (tons)		2		12

**Regulatory**

	Fiscal Year to Date	
NERC		
Notice of Violations		6*
Self Reports/Potential Violations		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 (July)
Administration				
Chief Operating Officer				
Customer Support Services				
Energy Delivery				
Energy Supply				
Finance				
GRUCom				
Information Technology				
Water Wastewater				
<b>Grand Total</b>				

**August information not available at time of publication.**

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

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**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)
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## SEPTEMBER

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**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 August 2021

Active Accounts	Aug-21	YTD Gain/Loss	FY20
<i>Residential Contract Accounts</i>			
Total	94,878	1,013	93,865
Electric	87,543	812	86,731
Gas	34,664	459	34,205
Water	64,627	398	64,229
Wastewater	60,401	367	60,034
Telecomm	0	(87)	87

New Installations	Aug-21	FY21 To Date	FY20
Electric	164	1714	2430
Gas	51	723	558
Water	66	712	744
Wastewater	62	722	667
Telecomm	0	18	131

Call Center Volume	Aug-21	FY21 To Date	FY20
Residential ASA	0:27:35	0:16:15	0:03:41
Business ASA	0:07:14	0:03:39	0:02:27
CSR Calls	21,623	198,518	188,834
CSR Callbacks	6,102	41,853	12,488
IVR Self Service	18,535	174,042	201,731
Total	46,260	414,413	403,053
IVR/Total	40%	42%	50%

Bills Generated	Aug-21	FY21 To Date	FY20
Paper Bills	78,596	1,026,146	1,301,286
eBills	29,825	238,358	237,475
Total	108,421	1,264,504	1,538,761
eBill/Total	28%	19%	15%

Payment Arrangements	Aug-21	FY21 To Date	FY20
Total	0	7,773	7,129

Customer Experience	Aug-21	FY21 To Date	FY20
Overall CSAT	3.70	3.97	N/A
Number of Responses	369	2,257	N/A
Numnber of Surveys Sent	3,962	25,587	N/A
Response Rate	9%	9%	N/A

Active Accounts	Aug-21	YTD Gain/Loss	FY20
<i>Nonresidential Contract Accounts</i>			
Total	13,194	(426)	13,620
Electric	11,030	(2)	11,032
Gas	1,665	(1)	1,666
Water	5,901	(10)	5,911
Wastewater	4,673	1	4,672
Telecomm	0	(403)	403

Residential Disconnects	Aug-21	FY21 To Date	FY20
Volume	1,019	12,909	7,791
Average Balance	\$242.62	\$242.35	\$175.34

Revenue Assurance	Aug-21	FY21 To Date	FY20
Referred to Collections	\$101,232.30	\$1,805,324.94	\$1,495,829.79
Recovered	\$65,681.60	\$1,011,839.74	\$804,667.00

Service Orders	Aug-21	FY21 To Date	FY20
Move Ins	19,694	106,447	106,868
Move Outs	19,763	104,356	106,929

Average Res Bill Amounts	Aug-21	FY21 To Date	FY20
Electric (kWh)	976	795	830
Electric (\$)	\$141.24	\$116.60	\$124.21
Gas (Therms)	9	22	18
Gas (\$)	\$21.72	\$35.03	\$32.65
Water (kGals)	5	5	5
Water (\$)	\$29.52	\$30.53	\$31.49
Wastewater (kGals)	5	5	5
Wastewater(\$)	\$34.46	\$37.01	\$37.67

Annual Relationship	Aug-21	FY21 To Date	FY20
Overall CSAT	0.00	3.40	N/A
Number of Responses	0	8,719	N/A
Numnber 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 - August 2021

Durations Reliability Report Between 08/01/2021 and 08/31/2021				
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)	99.9821%	
Total Hours of Customer Demand	74,353,872	System Average Interruption Duration Index (SAIDI)	8.00	4.5
Total Number of Outages	89	Customer Average Interruption Duration Index (CAIDI)	59.76	60
Total Number of Customers Affected (CI)	13,382	System Average Interruption Frequency Index (SAIFI)	0.13	0.08
Total Customer Minutes Interrupted (CMI)	799,727			
Total Customer "Out Minutes"	11,944	Average Length of a Service Interruption (L-Bar)	179.81 Mins	
Cause of Outages				
Cause	Overhead	Underground	Both	Total
0. Undetermined	6	0	1	7
1. Weather	9	1	0	10
2. Vegetation	30	0	6	36
3. Animals	8	0	2	10
4. Foreign Interference	0	0	0	0
5. Human Cause	6	0	1	7
6. Equipment Failure	3	13	2	18
7. All Remaining Outages	0	0	0	0
Total	62	14	12	88

Durations Reliability Report Between 01/01/2021 and 08/31/2021*				
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)	99.9835%	
Total Hours of Customer Demand	582,838,416	System Average Interruption Duration Index (SAIDI)	57.83	36
Total Number of Outages	617	Customer Average Interruption Duration Index (CAIDI)	59.05	60
Total Number of Customers Affected (CI)	97,866	System average Interruption Frequency Index (SAIFI)	0.98	0.64
Total Customer Minutes Interrupted (CMI)	5,778,938			
Total Customer "Out Minutes"	112,472	Average Length of a Service Interruption (L-Bar)	182.29 Mins	
Cause of Outages				
Cause	Overhead	Underground	Both	Total
0. Undetermined	38	1	3	42
1. Weather	50	5	3	58
2. Vegetation	227	9	18	254
3. Animals	66	4	3	73
4. Foreign Interference	0	0	0	0
5. Human Cause	25	5	5	35
6. Equipment Failure	29	82	27	138
7. All Remaining Outages	0	0	8	8
Total	435	106	67	608
* 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 - August 2021

## Electric System Consumption

	2021		2020	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Feed-In-Tariff - Residential	202 KWH	89	130 KWH	100
Feed-In-Tariff - General Service	2,587 KWH	139	2,740 KWH	157
Electric - GS - Demand - Regular	55,489,373 KWH	1,162	55,987,657 KWH	1,186
Electric - General Service Demand PV	1,090,037 KWH	21	1,310,357 KWH	22
Electric - GS - Kanapaha w Curtail Cr	1,128,000 KWH	1	1,164,000 KWH	1
Electric - GS - Demand - Large Power	9,136,200 KWH	7	8,301,000 KWH	6
Electric - GS - Murphree Curtail Credit	1,348,800 KWH	1	1,488,000 KWH	1
Electric - GS Large Demand PV	4,814,400 KWH	2	5,080,800 KWH	2
Electric - GS - Non Demand	18,901,771 KWH	10,416	17,839,632 KWH	9,885
Electric - General Service PV	249,404 KWH	86	186,929 KWH	72
Electric - Lighting - Rental	879,242 KWH	4,093 <i>n</i>	928,863 KWH	4,131 <i>n</i>
Electric - Lighting - Street - City	416,801 KWH	13 <i>n</i>	584,911 KWH	12 <i>n</i>
Electric - Lighting - Street - County	131,549 KWH	2 <i>n</i>	131,940 KWH	2 <i>n</i>
Electric - Lighting - Traffic	144 KWH	1	4,542 KWH	2
Electric - Residential - Non TOU	89,695,582 KWH	96,304	94,573,701 KWH	91,705
Electric - Residential PV	540,965 KWH	666	465,340 KWH	476
Total Retail Electric	183,825,057 KWH	108,895	188,050,542 KWH	103,615
City of Alachua	15,154,425 KWH	28,300	14,022,567 KWH	28,212
Total (Native) Electric	198,979,482 KWH		202,073,109 KWH	

(n =not included in total customer count)

## Gas System Consumption

	2021		2020	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Gas - GS - Regular Service (Firm)	625,502 THM	1,462	559,485 THM	1,358
Gas - GS - Regular Service (Small)	6,164 THM	381	4,381 THM	323
Gas - GS - Interruptible - Regular Serv	21,444 THM	1	22,449 THM	1
Gas - GS - Interruptible - Large Volume	366,455 THM	7	375,218 THM	7
Gas - Residential - Regular Service	316,289 THM	35,743	313,460 THM	34,893
Total Retail Gas	1,335,854 THM	37,594	1,274,993 THM	36,582
Gas - GS - UF Cogeneration Plant	2,829,857 THM	1	2,847,745 THM	1
Gas - Residential - LP - Basic Rate	2,356 GAL	203	2,783 GAL	206

# Energy Delivery - UAB Report - August 2021

## Major Electric Design Projects

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- > 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

## Major Gas Design Projects

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- > Main Installation – Parker Rd – 8000' 8" PE
- > Main Installation – VA Clinic SW Archer Rd – 611'
- > Valve Maintenance & CP Readings
- > Main Installation – Flint Rock Sub - SW 122nd St - 15,576'
- > Main Installation – Cousins - NW 10th Pl - 830'

New Gas Services installed in August 2021: 49 New Customers

ENERGY SUPPLY

SYSTEM STATISTICS

ENERGY DISTRIBUTION

FUEL



**August 2021**

Source

**Energy Supply - CAPACITY**

**Unit Capability output - MWn**

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

**Energy Supply - Performance Parameter**

Month	YTD	Budget YTD	Delta Budget
60,007	558,301	296,390	261,911
17,281	231,083	119,168	111,915
77,517	412,274	619,864	(207,590)
57	10,186	2,557	7,629
8,001	147,320	233,869	(86,549)
54,382	439,500	468,029	(28,529)

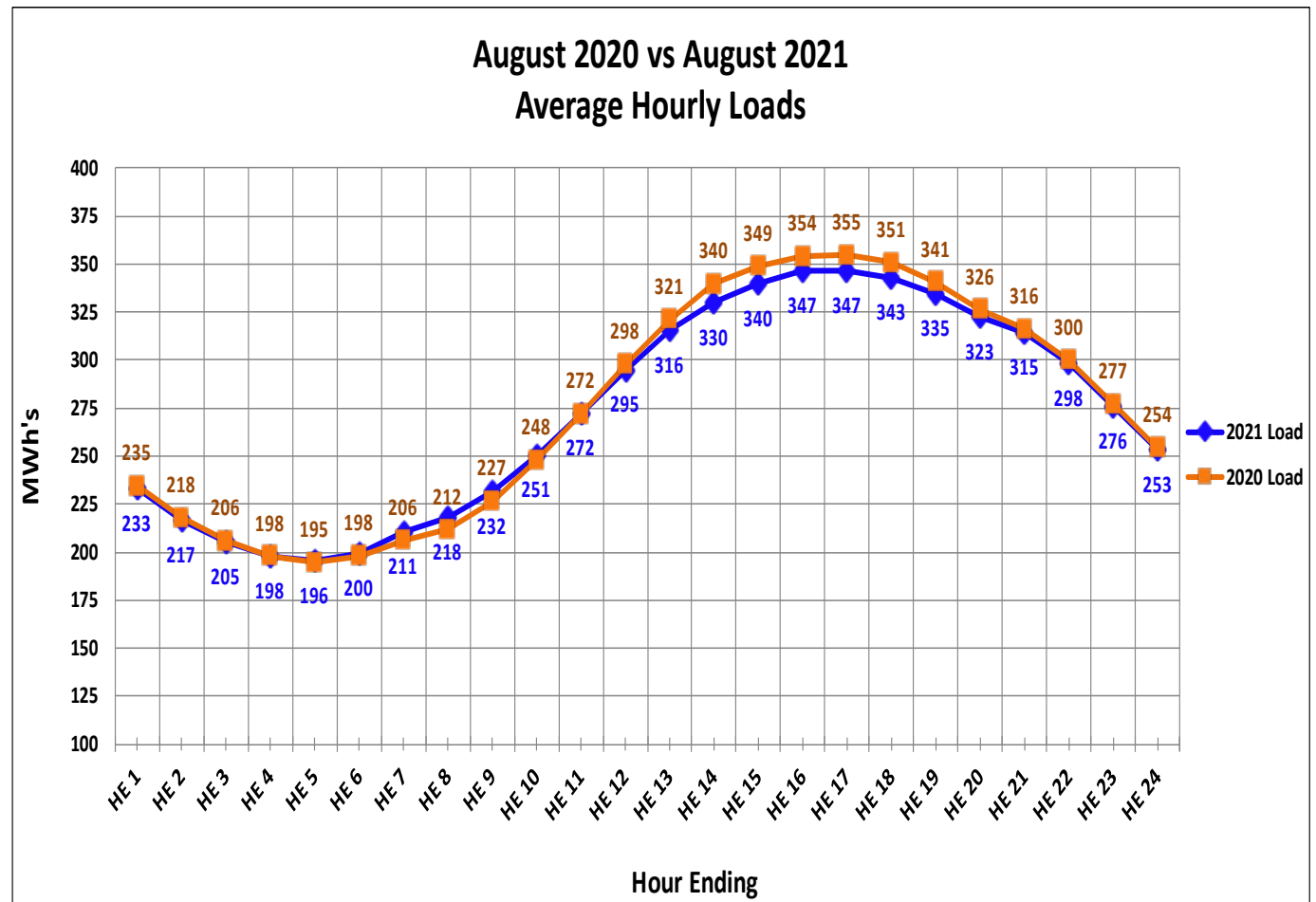
**Fuels Consumed**

	Month	FYTD	Budget YTD	Delta Budget
Coal - Tons	7,915	148,289	172,318	(24,029)
Gas - MCF	1,503,061	10,352,195	7,068,678	3,283,516
Fuel oil - Gals	4	206,669	-	206,669
Biomass - Tons	72,875	581,520	802,807	(221,287)

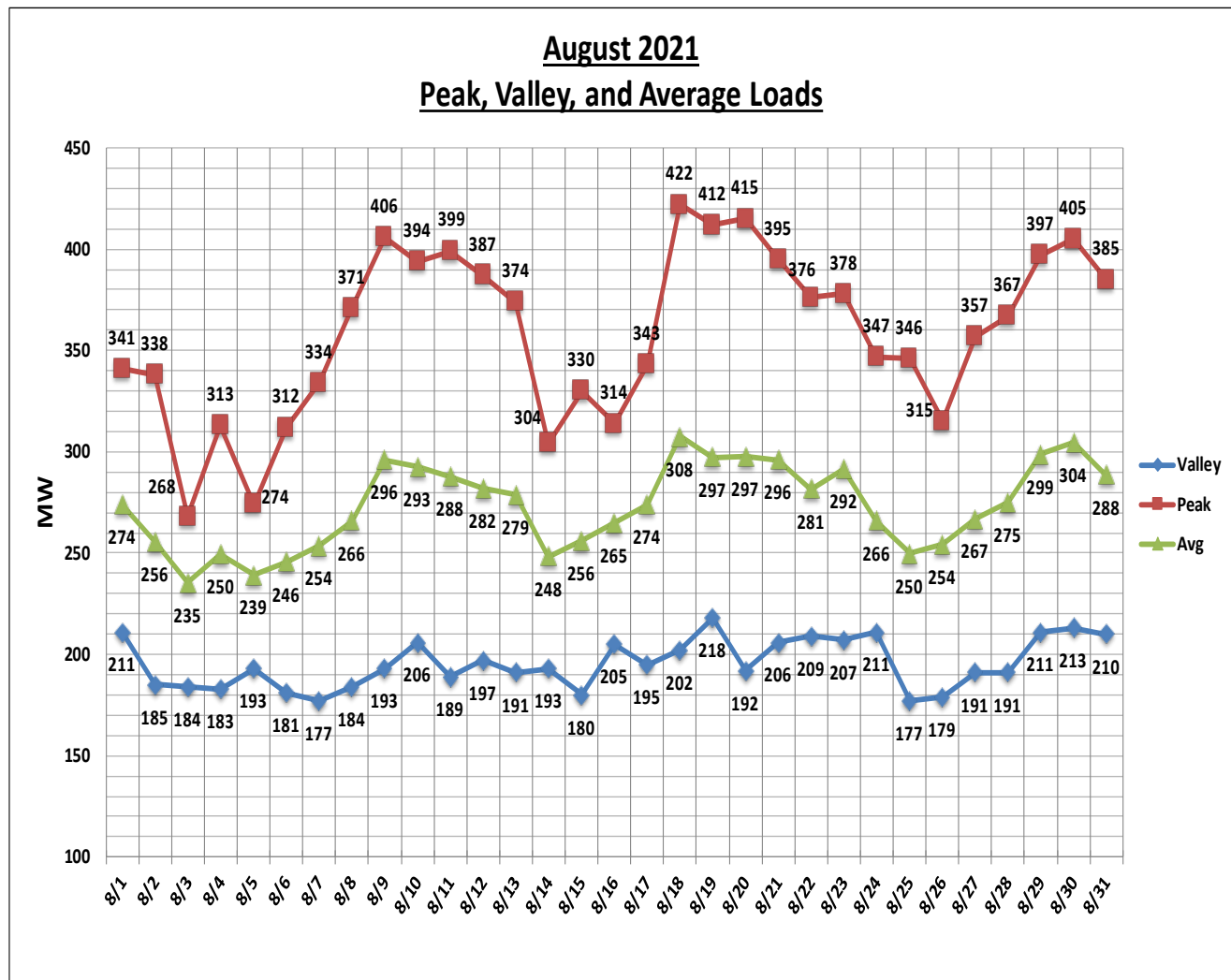
**Availability/Capacity**

	Availability			Capacity		
	Month	FY 2021 YTD	FY 2020 YTD	Month	FY 2021 YTD	FY 2020 YTD
DH-2	100.00%	89.34%	79.84%	38.12%	32.90%	13.44%
DH-1	100.00%	99.13%	91.96%	32.88%	39.97%	33.48%
Kelly CC	100.00%	60.87%	94.14%	95.17%	46.33%	85.89%
DH CT-1	74.81%	95.26%	97.40%	0.01%	0.16%	0.24%
DH CT-2	78.56%	94.84%	96.83%	0.00%	0.14%	0.23%
DH CT-3	90.01%	99.02%	99.59%	0.51%	1.84%	1.82%
DHR	100.00%	80.03%	89.14%	73.72%	55.76%	51.77%

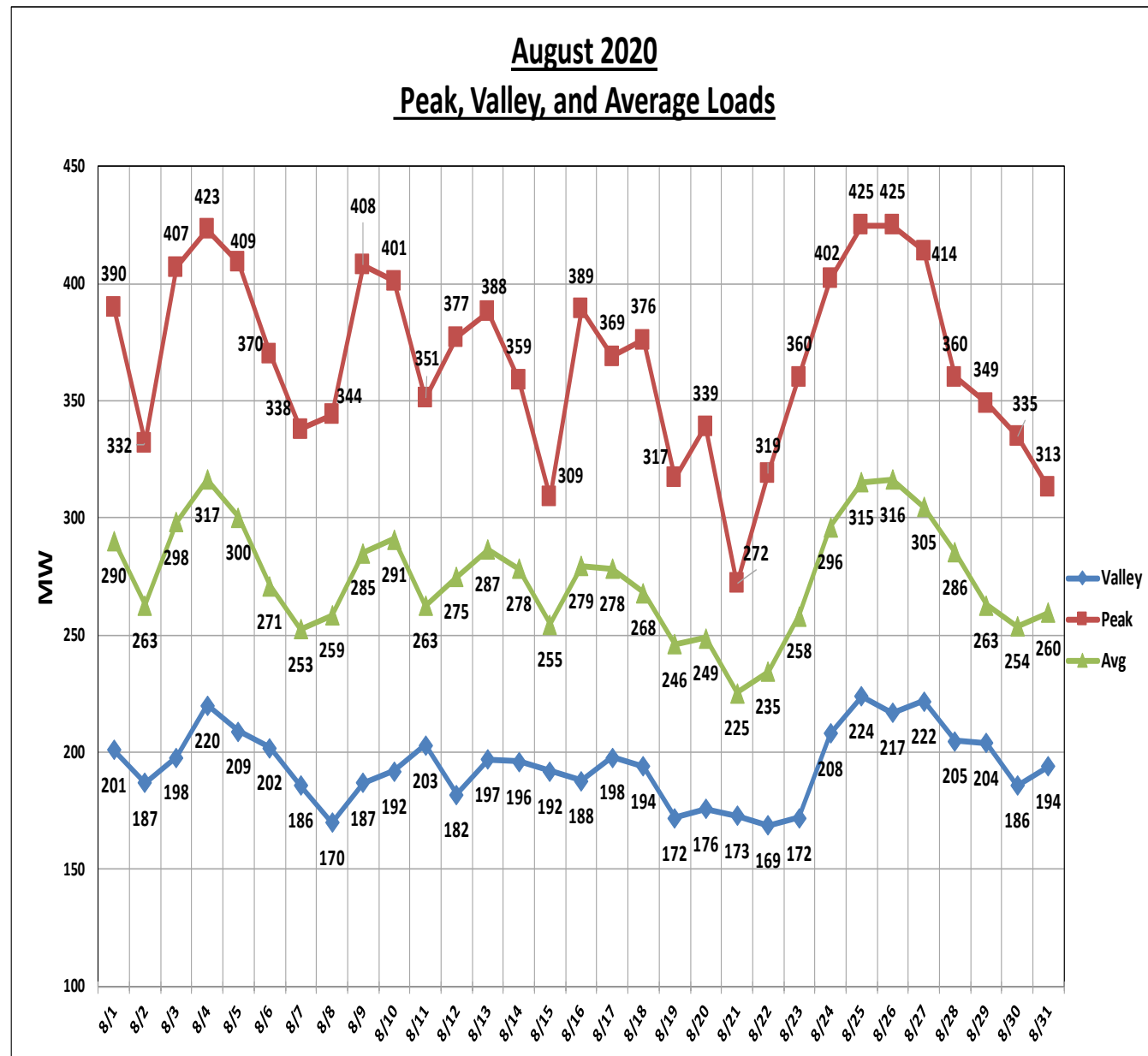
August Average Hourly Loads		
Hour Ending	2020 Load	2021 Load
HE 1	235	233
HE 2	218	217
HE 3	206	205
HE 4	198	198
HE 5	195	196
HE 6	198	200
HE 7	206	211
HE 8	212	218
HE 9	227	232
HE 10	248	251
HE 11	272	272
HE 12	298	295
HE 13	321	316
HE 14	340	330
HE 15	349	340
HE 16	354	347
HE 17	355	347
HE 18	351	343
HE 19	341	335
HE 20	326	323
HE 21	316	315
HE 22	300	298
HE 23	277	276
HE 24	254	253



Date	Valley	Peak	Avg
8/1/2021	211	341	274
8/2/2021	185	338	256
8/3/2021	184	268	235
8/4/2021	183	313	250
8/5/2021	193	274	239
8/6/2021	181	312	246
8/7/2021	177	334	254
8/8/2021	184	371	266
8/9/2021	193	406	296
8/10/2021	206	394	293
8/11/2021	189	399	288
8/12/2021	197	387	282
8/13/2021	191	374	279
8/14/2021	193	304	248
8/15/2021	180	330	256
8/16/2021	205	314	265
8/17/2021	195	343	274
8/18/2021	202	422	308
8/19/2021	218	412	297
8/20/2021	192	415	297
8/21/2021	206	395	296
8/22/2021	209	376	281
8/23/2021	207	378	292
8/24/2021	211	347	266
8/25/2021	177	346	250
8/26/2021	179	315	254
8/27/2021	191	357	267
8/28/2021	191	367	275
8/29/2021	211	397	299
8/30/2021	213	405	304
8/31/2021	210	385	288



Date	Valley	Peak	Avg
8/1/2020	201	390	290
8/2/2020	187	332	263
8/3/2020	198	407	298
8/4/2020	220	423	317
8/5/2020	209	409	300
8/6/2020	202	370	271
8/7/2020	186	338	253
8/8/2020	170	344	259
8/9/2020	187	408	285
8/10/2020	192	401	291
8/11/2020	203	351	263
8/12/2020	182	377	275
8/13/2020	197	388	287
8/14/2020	196	359	278
8/15/2020	192	309	255
8/16/2020	188	389	279
8/17/2020	198	369	278
8/18/2020	194	376	268
8/19/2020	172	317	246
8/20/2020	176	339	249
8/21/2020	173	272	225
8/22/2020	169	319	235
8/23/2020	172	360	258
8/24/2020	208	402	296
8/25/2020	224	425	315
8/26/2020	217	425	316
8/27/2020	222	414	305
8/28/2020	205	360	286
8/29/2020	204	349	263
8/30/2020	186	335	254
8/31/2020	194	313	260



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

1. Deerhaven Generating Station (DH):

a. Deerhaven Unit #2(DH2):

- i. 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 pulled the valve on 8/30/2021 to be disassembled and inspected. Following inspection on 8/31/2021 there was a bearing found to be binding up. Repairs of valve are in progress to ship back to the plant site as soon as possible. Once we receive this repaired valve we will reinstall and recommence testing as load and gas header pressure allow.
- ii. We have received a third coal train the week of 8/23/2021, and are working on a 4<sup>th</sup> train to be delivered in October as well. We will need this required coal inventory for reliability in situations where we may not have adequate availability of natural gas to meet our customer loads.
- iii. Planned outage is set to start on 10/2/2021, and following the contractor vaccine mandate we are working to determine the availability of contractors we will have to complete scope of outage work. There is a good chance this outage would have to be abbreviated in scope based on availability, and if so we would need another DH2 outage in spring to complete required outage work needed for safety and reliability.

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 spring of 2022. Budgetary estimated for this lifetime assessment, and associated outage in FY2022 is still in our budget submittals.

2. Kelly Generating Station (JRK):

- a. Unit #8 Turbine & Generator replacement has been completed and we have just completed over 50 days(1200 hours) of successful operation. Summer full load testing shows we achieved 40.5 MW gross load, which is at least a 2 MW increase with the new unit. Efficiency testing is in progress so we can finalize number to economically dispatch the Kelly Combined Cycle Plant.

3. South Energy Center (SEC):

- a. Solar engine emission testing will be schedule once we replace the SCR catalyst that is on order.

### City Commission - FY21 - 3QTR Coal Sourcing Report

Month Coal Delivered	Coal Supplier(s)	Mine	Tons	Deep	MTR	Surface (No MTR)
Apr-21			0.00			
May-21			0.00			
Jun-21			0.00			
<b>Total</b>			<b>0.00</b>			

#### Notes:

1. No coal purchased in FY21 - 3QTR.

**Gainesville Regional Utilities  
Solar PPA Status Report  
Report Period: July 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	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	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:**

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.

*Prepared 8/3/2021*

# ENVIRONMENTAL PERMITTING

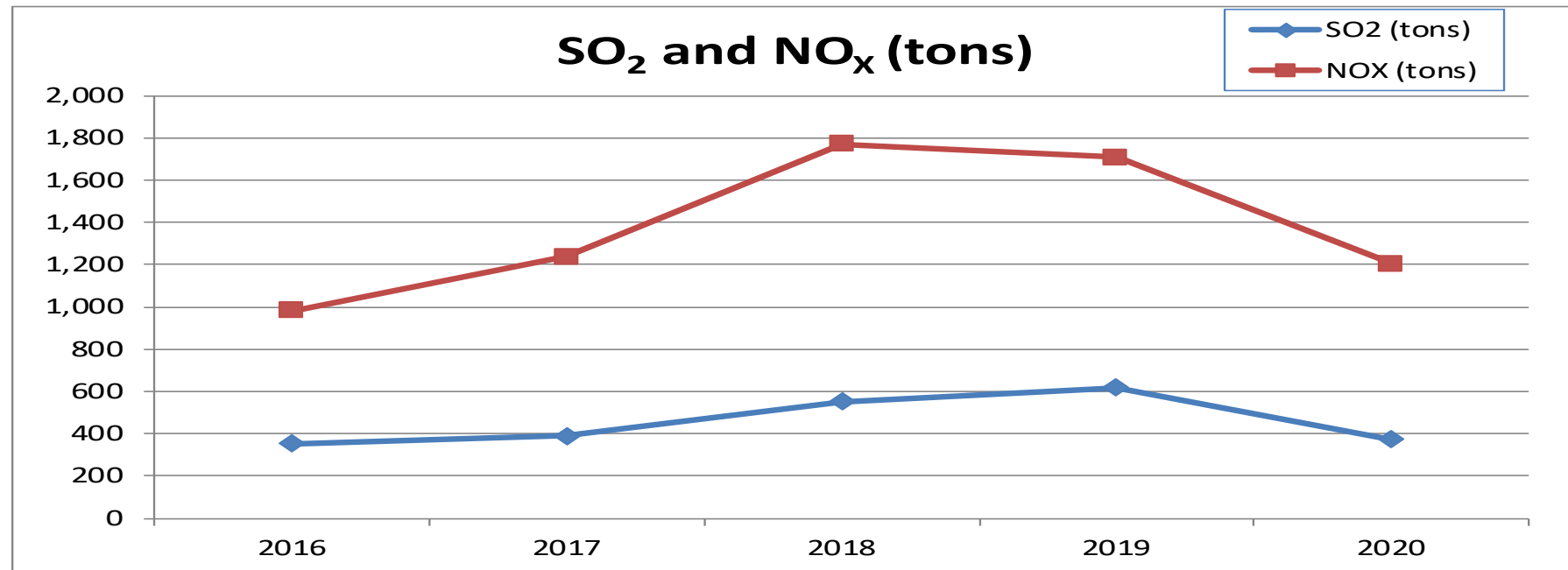
## EMISSIONS DATA



## 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 Aug.)	407	1,119	2.61	46.1	1,341,517

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

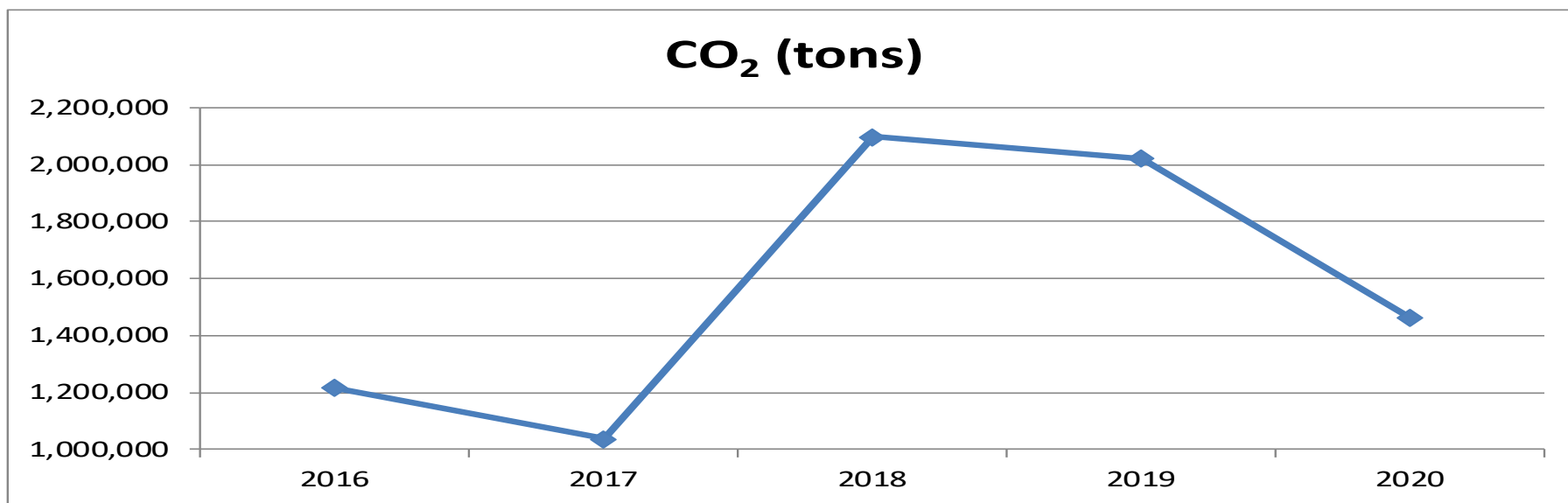


SO<sub>2</sub> was lower in 2015, 2016, and 2017 due to higher removal rate settings to assure compliance with the MATS Rule.

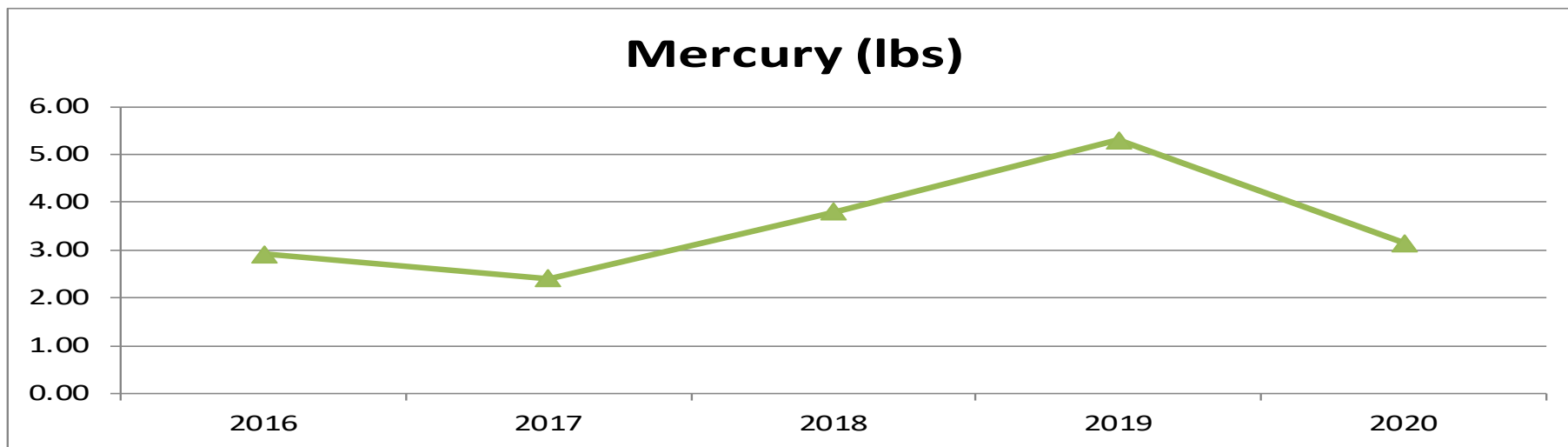
NO<sub>x</sub> was higher in 2016 since it was more cost effective to use allowances than increase SCR removal rate. NO<sub>x</sub> was higher in 2017 since the Cross State Rule was no longer in effect for Florida.

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

## Yearly Emissions



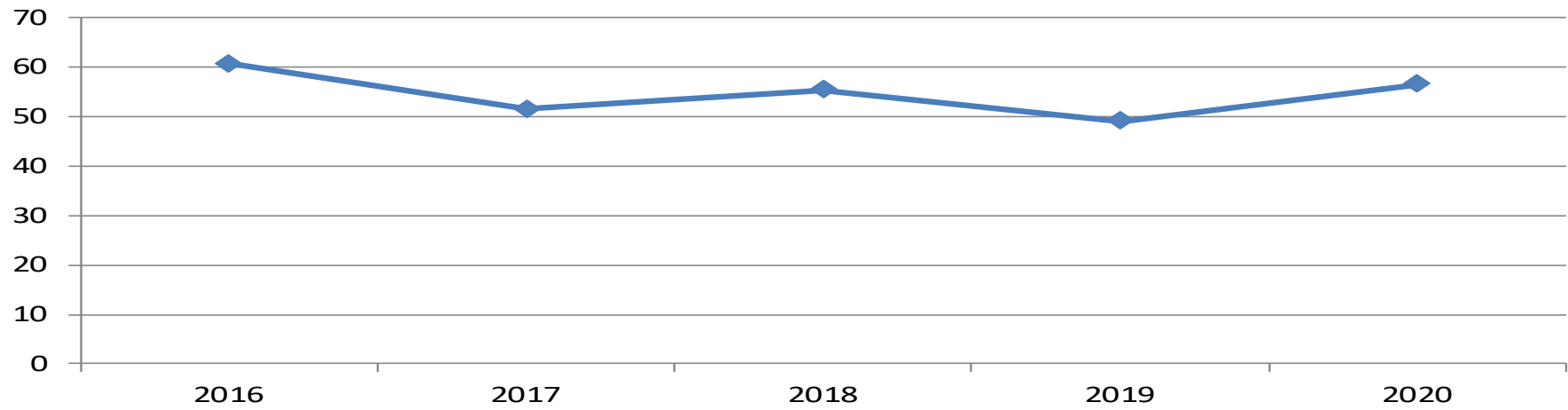
**2018 and later data include DHR. The previous years did not include DHR.**



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

## Yearly Emissions

**PM (tons)**



**YTD - 2021 August**

<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>	SO <sub>2</sub> Rate (lb/MMBtu)	NO <sub>x</sub> Rate (lb/MMBtu)	HTIP (MMBtu)	GEN (MW-hours)
21.8	169.1			132,363.1			2,217,159.0	192,349.0
372.9	733.2	2.61	46.1	422,144.2			5,070,092.0	487,493.0
0.0	0.4			9,899.2			166,614.0	11,630.0
0.5	28.6			125,614.6			2,113,677.9	227,241.0
11.7	187.6			651,495.7			6,242,999.9	464,399.0
<b>406.9</b>	<b>1,118.9</b>	<b>2.61</b>	<b>46.1</b>	<b>1,341,516.8</b>			<b>15,810,542.8</b>	<b>1,383,112.0</b>

**2021 - August**

<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>	SO <sub>2</sub> Rate (lb/MMBtu)	NO <sub>x</sub> Rate (lb/MMBtu)	HTIP (MMBtu)	GEN (MW-hours)
0.1	19.5			14,873.7			250,294.0	19,400.0
30.4	82.3	0.32	3.7	54,201.4			760,291.0	70,742.0
0.0	0.1			281.7			4,742.0	325.0
0.2	7.2			40,249.5			677,264.3	78,166.0
1.6	25.0			86,839.5			831,779.9	62,580.0
<b>32.3</b>	<b>134.1</b>	<b>0.32</b>	<b>3.7</b>	<b>196,445.8</b>			<b>2,524,371.2</b>	<b>231,213.0</b>

WATER/WASTEWATER

PRODUCTION

MAINTENANCE