

STATE OF THE UTILITY

March 2022

Item #211094

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

OPERATIONS SUMMARY

CORPORATE SAFETY

ENVIRONMENTAL

REGULATORY

PERSONNEL

March 2022

Safety

Employees

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

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

Vehicles

	Current Month		
	Miles Driven*	Recordable	Preventable
Administration	9,230	0	0
WWW Systems	57,572	0	0
Energy Supply	3,798	0	0
Energy Delivery - Electric/Gas	93,238	1	0
GRUCom	6,430	0	0
Totals	170,268	1	0

	Year to Date		
	Miles Driven*	Recordable	Preventable
	30,569	1	1
	223,670	1	1
	10,572	0	0
	367,337	2	0
	27,823	0	0
	659,971	4	2

*Mileage data is for February 2022. March mileage data will be included in April report.

Mileage FYTD through February 2022

Environmental

	Current Month
Notices of Violation	0

Calendar Year to Date
0

Emissions

DH1, DH2, DHCT3, JRKCC1

CO ₂ (tons)	53,675
NO _x (tons)	9
SO ₂ (tons)	0

207,645
147
39

DH Unit 2 (only)

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

6
0.50

DHR

CO ₂ (tons)	0
NO _x (tons)	22
SO ₂ (tons)	1

0
44
3

Regulatory

NERC

Notice of Violations	1
Self Reports/Potential Violations	0

Fiscal Year to Date

1
2

Personnel

	AUTHORIZED FTE	FILLED FTE	VACANCY	LAST MONTH (February)
Administration	16	13	3	2
Chief Operating Officer	20	18	2	2
Customer Support Services	118.25	105.5	12.75	22.5
Energy Delivery	264	228	36	32
Energy Supply	194	166	28	30
Finance	42	30.5	11.5	13.5
Information Technology	71	68	3	3
Water Wastewater	169	160	9	10
GRUCom	38	34	4	5
Grand Total	932.25	823.00	109.25	120.00

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

Filled FTE's do include staffed overfills

Utility Advisory Board Monthly Report – FY 2022 Safety Data Summary

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

OCTOBER

- None reported

NOVEMBER

- None reported

DECEMBER

- 12/1/2021 – While changing a blade on a reciprocating saw, the employee cut the back of the right index finger. Recordable for Rx medication. No work restrictions.
- 12/21/2021 – Hurt right shoulder loading chipper into back of truck. Recordable for Rx medication. Work restrictions given by Dr. do not affect daily duties.

JANUARY

- None reported

FEBRUARY

- 2/09/2022 – An employee was cutting a 12” PVC pipe with a demolition saw. The saw kicked back causing a laceration to the right jaw and shoulder. (DART)
- 2/14/2022 – While trimming a tree limb, an electric chainsaw cut employee's left forearm. (DART)

MARCH

- 3/14/2022 – While driving a GRU vehicle, the employee was rear ended, hurting their left hand and causing neck and back stiffness (DART)
- 3/14/2022 – While relighting an LP water heater, excess gas was ignited causing first degree burns to employee's face, burning hair and damaging contact lenses. (DART)

Utility Advisory Board Monthly Report – FY 2022 Vehicle Collision Summary

Vehicle Collisions (P) indicates preventable by our employee

OCTOBER

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

NOVEMBER

- None reported

DECEMBER

- None reported

JANUARY

- None reported

FEBRUARY

- 2/25/22 – While backing a service truck, the employee backed into a parked scooter. There was minimal damage to the scooter. There were no injuries. No citation issued. (P)

MARCH

- 3/14/2022 – While stopping for traffic on NE 39th Ave, the GRU vehicle was rear-ended. There was minor damage to the vehicle, but caused an employee injury.

CUSTOMER SUPPORT SERVICES

Customer Operations

New Services

Revenue Assurance

Customer Operations Metrics Summary March 2022

Active Accounts	Mar-22	YTD Gain/Loss	FY21
<i>Residential Contract Accounts</i>			
Total	95,490	393	95,097
Electric	87,961	256	87,705
Gas	34,904	172	34,732
Water	64,903	169	64,734
Wastewater	60,669	201	60,468
Telecomm	0	0	0

New Installations	Mar-22	FY22 To Date	FY21
Electric	415	954	1833
Gas	110	291	775
Water	182	439	771
Wastewater	174	391	777
Telecomm	0	0	18

Call Center Volume	Mar-22	FY22 To Date	FY21
Residential ASA	0:11:41	0:15:58	0:16:46
Business ASA	0:03:55	0:04:16	0:03:42
CSR Calls	15,659	89,960	215,887
CSR Callbacks	2,964	18,874	47,189
IVR Self Service	82,646	427,772	189,977
Total	101,269	536,606	453,053
IVR/Total	82%	80%	42%

Bills Generated	Mar-22	FY22 To Date	FY21
Paper Bills	79,012	472,873	109,177
eBills	31,540	193,792	261,591
Total	110,552	666,665	1,353,368
eBill/Total	29%	29%	19%

Payment Arrangements	Mar-22	FY22 To Date	FY21
Total	578	3,718	8,419

Customer Experience	Mar-22	FY22 To Date	FY21
Overall CSAT	0.00	3.84	N/A
Number of Responses	0	933	N/A
Number of Surveys Sent	0	11,133	N/A
Response Rate		8%	N/A

Active Accounts	Mar-22	YTD Gain/Loss	FY21
<i>Nonresidential Contract Accounts</i>			
Total	13,181	(14)	13,195
Electric	11,037	(6)	11,043
Gas	1,683	518	1,165
Water	5,921	16	5,905
Wastewater	4,705	27	4,678
Telecomm	0	0	0

Residential Disconnects	Mar-22	FY22 To Date	FY21
Volume	1,359	7,516	14,313
Average Balance	\$266.94	\$250.06	\$243.10

Revenue Assurance	Mar-22	FY22 To Date	FY21
Referred to Collections	\$123,161.59	\$662,768.94	\$1,972,070.41
Recovered	\$99,165.06	\$542,673.59	\$1,093,335.45

Service Orders	Mar-22	FY22 To Date	FY21
Move Ins	7,121	39,340	114,586
Move Outs	7,153	39,308	112,065

Average Res Bill Amounts	Mar-22	FY22 To Date	FY21
Electric (kWh)	0	742	819
Electric (\$)	\$0.00	\$124.14	\$119.78
Gas (Therms)	0	21	21
Gas (\$)	\$0.00	\$39.60	\$33.99
Water (kGals)	0	5	5
Water (\$)	\$0.00	\$31.61	\$30.64
Wastewater (kGals)	0	5	5
Wastewater(\$)	\$0.00	\$45.05	\$36.96

Annual Relationship	Mar-22	FY22 To Date	FY21
Overall CSAT	2.90	2.90	N/A
Number of Responses	8,953	15,737	N/A
Number of Surveys Sent	57,478	114,956	N/A
Response Rate	16%	14%	N/A

ENERGY DELIVERY

System Consumption

System Reliability

Major Projects – Electric & Gas

Energy Delivery - UAB Report - March 2022

Department Highlights

Electric Transmission & Distribution

- Completed partial discharge testing on circuits connecting to the South Energy Center
- Graduated a class of apprentices

Engineering / Substations & Relays

- Actively working (under design and/or construction) on multiple projects of new development: Butler Plaza, Celebration Pointe, Emergency Clinic, Hyatt Downtown, Lincoln Ventures, Market West / Grand Oaks Subdivision, Oaks Preserve Subdivision, RTS Charging Station, SE 7th St. Lighting Project, SW 62nd Blvd. Roadway Project, Seminary Lane, Tesla Station, The Rise, US Army Reserve Center, VA Hospital
- Finishing 138kV outage at Sugarfoot
- Recently completed the Deerhaven SEL 2032 Upgrade Project

Energy Measurement & Regulation

- Route optimization project completed
 - ED and IT collaborative project to equalize meter read routes
 - Became necessary due to continued growth west of I-75
 - All 21 meter reading cycles were examined to identify which could be relocated to others so that each cycle would have a comparable completion time
 - Process developed/carefully executed to ensure stability of the current reads
 - Team successfully moved 214 routes (over 147,100 installations) into different meter reading cycles during the process
 - Should reduce the strain placed on the Meter Operations department
- AMI meter farm build is complete
 - Cost-effective method for testing communication, functionality and firmware upgrades for AMI meters
 - Will be used in the qualification process prior to deployment, as well as a post deployment tool to allow large scale testing of new releases of firmware over thousands of metering endpoints prior to upgrading the entire system
 - Will also be used to perform long term testing for new hardware releases prior to introducing later generations of meters into the field
- Electric Measurement successfully completed Tie-Testing with Florida Power and Light on our Hampton/Bradford tie point at Deerhaven Power Plant

Gas

- New subdivision gas work – Finley Woods (3,986') and Laureate Village (2,068')
- Recently achieved five years with zero reportable/recordable safety incidents

Systems Control

- Preparations underway for upcoming Ransomware assessment
- Starting OMS training again with different Gray Sky Units to improve storm restoration

Work and Resource Management

- GRU has earned a Reliable Public Power Provider (RP3)[®] designation from the American Public Power Association for providing reliable and safe electric service
- Lasts for three years
- Recognizes public power utilities that demonstrate proficiency in four key disciplines: Reliability, Safety, Workforce Development, and System Improvement
- Criteria include sound business practices and a utility-wide commitment to safe and reliable delivery of electricity
- GRU joins 274 public power utilities nationwide that hold the RP3 designation

Energy Delivery - UAB Report - March 2022

Durations Reliability Report Between 03/01/2022 and 03/31/2022				
Excludes Extreme Weather and Generation/Transmission Disturbances				
CUSTOMER DATA		RELIABILITY INDICES		MONTHLY AVG GOAL
Monthly Average Customers Served(C)	101,092	Average Service Availability Index (ASAI)	99.9907%	
Total Hours of Customer Demand	75,212,448	System Average Interruption Duration Index (SAIDI)	4.16	4.5
Total Number of Outages	90	Customer Average Interruption Duration Index (CAIDI)	94.58	60
Total Number of Customers Affected (CI)	4,446	System Average Interruption Frequency Index (SAIFI)	0.04	0.08
Total Customer Minutes Interrupted (CMI)	420,507			
Total Customer "Out Minutes"	23,374	Average Length of a Service Interruption (L-Bar)	259.71 Mins	
Cause of Outages				
Cause	Overhead	Underground	Both	Total
0. Undetermined	5	0	1	6
1. Weather	8	0	0	8
2. Vegetation	54	0	0	54
3. Animals	1	0	1	2
4. Foreign Interference	0	0	0	0
5. Human Cause	4	1	2	7
6. Equipment Failure	5	7	1	13
7. All Remaining Outages	0	0	0	0
Total	77	8	5	90

Durations Reliability Report Between 01/01/2022 and 03/31/2022*				
Excludes Extreme Weather and Generation/Transmission Disturbances, Excludes TMED Days				
CUSTOMER DATA		RELIABILITY INDICES		GRU YTD GOALS
Monthly Average Customers Served(C)	101,092	Average Service Availability Index (ASAI)	99.9934%	
Total Hours of Customer Demand	218,358,720	System Average Interruption Duration Index (SAIDI)	8.51	13.5
Total Number of Outages	164	Customer Average Interruption Duration Index (CAIDI)	74.5	60
Total Number of Customers Affected (CI)	11,544	System average Interruption Frequency Index (SAIFI)	0.11	0.24
Total Customer Minutes Interrupted (CMI)	860,000			
Total Customer "Out Minutes"	33,173	Average Length of a Service Interruption (L-Bar)	202.27 Mins	
Cause of Outages				
Cause	Overhead	Underground	Both	Total
0. Undetermined	9	0	1	10
1. Weather	8	0	0	8
2. Vegetation	92	0	1	93
3. Animals	3	0	1	4
4. Foreign Interference	0	0	0	0
5. Human Cause	10	3	2	15
6. Equipment Failure	14	18	2	34
7. All Remaining Outages	0	0	0	0
Total	136	21	7	164
<i>*reported as calendar year</i>				

Energy Delivery - UAB Report - March 2022

Electric System Consumption

	2022		2021	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Feed-In-Tarrif - Residential	134 KWH	100	56 KWH	100
Feed-In-Tarrif - General Service	2,749 KWH	157	2,951 KWH	158
Electric - GS - Demand - Regular	39,556,072 KWH	1,134	38,390,264 KWH	1,142
Electric - General Service Demand PV	940,687 KWH	24	866,745 KWH	21
Electric - GS - Kanapaha w Curtail Cr	962,400 KWH	1	1,036,800 KWH	1
Electric - GS - Demand - Large Power	6,837,000 KWH	7	7,150,640 KWH	8
Electric - GS - Murphree Curtail Credit	1,308,000 KWH	1	1,171,200 KWH	1
Electric - GS Large Demand PV	3,280,800 KWH	2	3,460,800 KWH	2
Electric - GS - Non Demand	12,497,972 KWH	10,084	11,745,749 KWH	9,966
Electric - General Service PV	110,281 KWH	78	101,653 KWH	79
Electric - Lighting - Rental	853,973 KWH	3,706 <i>n</i>	929,627 KWH	3,905 <i>n</i>
Electric - Lighting - Street - City	406,347 KWH	13 <i>n</i>	876,139 KWH	13 <i>n</i>
Electric - Lighting - Street - County	126,751 KWH	2 <i>n</i>	261,881 KWH	2 <i>n</i>
Electric - Lighting - Traffic	144 KWH	1	2,725 KWH	2
Electric - Residential - Non TOU	53,658,867 KWH	88,959	52,680,825 KWH	88,544
Electric - Residential PV	230,893 KWH	749	205,121 KWH	576
Total Retail Electric	120,773,070 KWH	101,297	118,883,176 KWH	100,600
City of Alachua	10,518,492 KWH	14,222 KW	9,900,575 KWH	20,539 KW
Total (Native) Electric	131,291,562 KWH		128,783,751 KWH	

(n =not included in total customer count)

Gas System Consumption

	2022		2021	
	CONSUMPTION	CUSTOMERS	CONSUMPTION	CUSTOMERS
Gas - GS - Regular Service (Firm)	818,961 THM	1,342	762,813 THM	1,362
Gas - GS - Regular Service (Small)	18,095 THM	357	12,549 THM	326
Gas - GS - Interruptible - Regular Serv	16,000 THM	1	39,614 THM	1
Gas - GS - Interruptible - Large Volume	386,688 THM	7	368,867 THM	6
Gas - Residential - Regular Service	790,338 THM	35,089	858,218 THM	34,811
GREC Gas (PGA only)			2,042,061 THM	36,506
Total Retail Gas	2,030,082 THM	36,796	2,042,061 THM	36,506
Gas - GS - UF Cogeneration Plant	3,097,422 THM	1	3,180,528 THM	1
Gas - Residential - LP - Basic Rate	5,572 GAL	202	4,656 GAL	202

Energy Delivery - UAB Report - March 2022

Major Electric Design Projects

- > Celebration Pointe – Alachua County Sport Events Center, Discovery Village-Block 14, Building 10C 200, multi-story parking garage, etc.
- > Oaks Preserve Subdivision (295 single family residences)
- > Lincoln Ventures (10 story building, apartments and retail)
- > Hyatt Downtown
- > VA Mental Health Hub & Outpatient Clinic 34th St
- > Seminary Lane (various parcels along NW 5th Ave)

Major Gas Design Projects

- > Main Installation – Finley Woods – SW 62nd Ave – 3,986'
- > Main Installation – Laureate Village Ph. 1 – 2,068'
- > Main Installation – Flint Rock Sub – SW 122 St – 15,576'
- > Main Installation – Grand Oaks – 4,375'

Gas Services installed in March 2022: 43 new customer services

ENERGY SUPPLY

SYSTEM STATISTICS

ENERGY DISTRIBUTION

FUEL

Energy Supply Operational Milestone Update as of April 5, 2022

- o For Deerhaven Unit #2 (DH2) we are working on the current planned outage Critical Path (Cooling Tower Restoration following fire), with estimated startup of Dh2 unit on 4/13/2022.
 - o The current outage restoration plan will have cells 3-10 back in full service prior to startup, and the remainder of work to restore cells 1 and 2 will be completed with unit online.
- o For Deerhaven Unit #1 (DH1) we are planning the unit lifetime assessment in fall of 2022, with goal of being able to safely, and reliably, extend life of unit beyond December of 2022.
- o For Deerhaven Renewable (DHR) the unit is still derated from 103 to 95 MW because of Induction (ID) Fan motor limitations. We have a replacement ID fan motor on order to correct the limitations currently in place. No exact estimated delivery date yet but looking at an early June 2022 Short Duration Outage (SDO) to put replacement motor in service.
- o For Kelly Combined Cycle Unit #1 (JCC1) the planned warranty outage for the new turbine/generator installed in 2021, is planned to start on 4/16 and go through 5/13/2022. The actual critical path for this outage would be the Energy Delivery transmission line 5 upgrades required by regulatory compliance.

March 2022

Energy Supply - CAPACITY

Energy Supply - Performance Parameter

Source

	Unit Capability output - MWn	Energy Supply - Performance Parameter			
		Month	YTD	Budget YTD	Delta Budget
DH-2	228	-	226,360	81,254	145,106
DH-1	75	16,367	75,258	11,001	64,257
Kelly CC	108	73,678	343,577	411,610	(68,033)
CT's	106	26	(189)	438	(627)
Grid	2 x 224	1,125	(45,150)	116,879	(162,029)
DHR	102.5	50,451	247,018	221,381	25,637

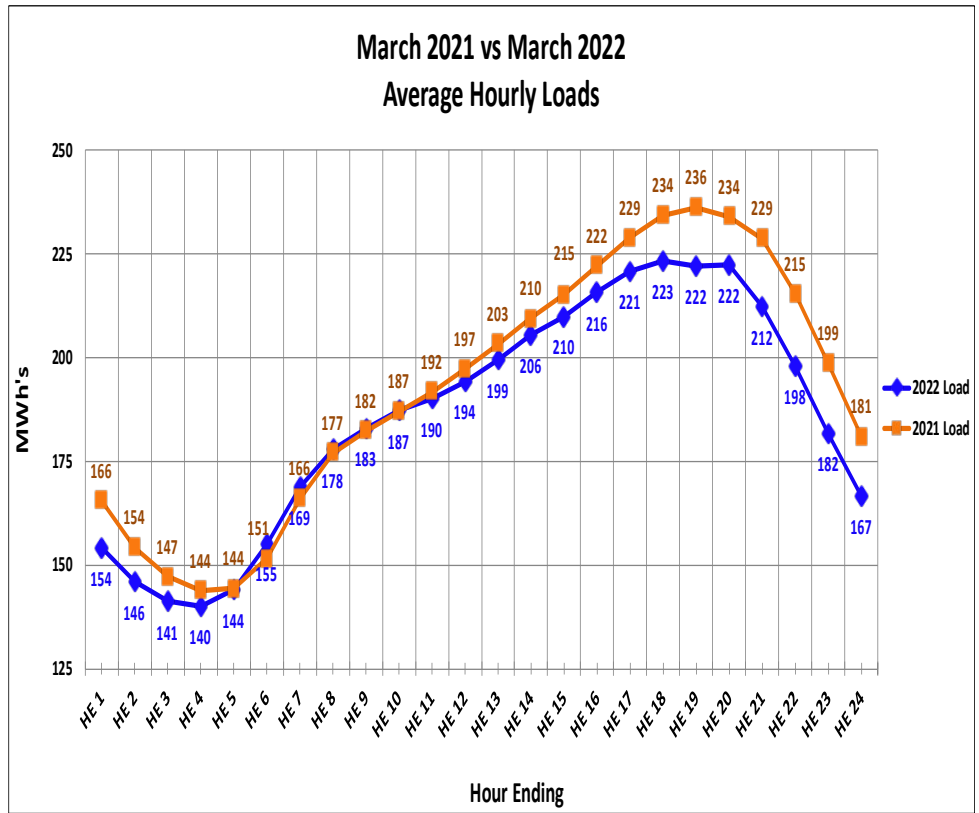
Fuels Consumed

	Month	FYTD	Budget YTD	Delta Budget
Coal - Tons	-	46,986	-	46,986
Gas - MCF	886,931	6,524,892	4,850,856	1,674,036
Fuel oil - Gals	100	344,490	-	344,490
Biomass - Tons	68,164	317,753	292,926	24,827

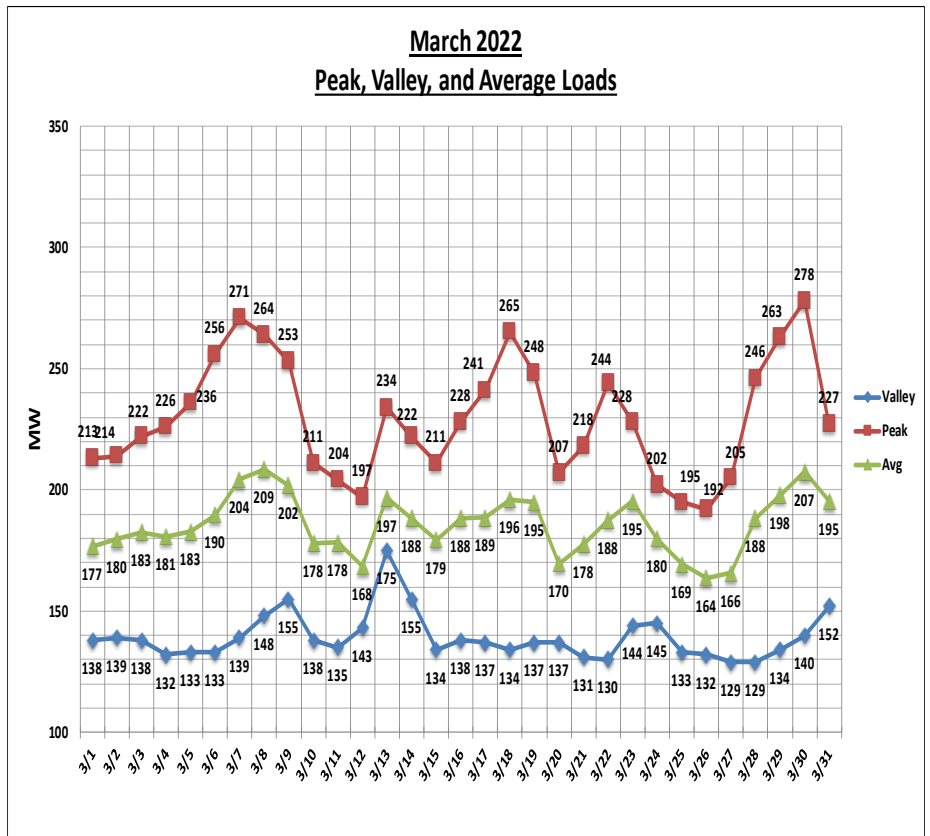
Availability/Capacity

	Availability			Capacity		
	Month	FY 2022 YTD	FY 2021 YTD	Month	FY 2022 YTD	FY 2021 YTD
DH-2	0.00%	71.08%	87.01%	0.00%	24.73%	30.69%
DH-1	100.00%	98.75%	98.80%	32.98%	24.67%	40.19%
Kelly CC	99.89%	97.63%	52.97%	90.60%	73.19%	43.42%
DH CT-1	100.00%	85.09%	96.22%	0.05%	0.09%	0.25%
DH CT-2	100.00%	98.82%	94.96%	0.02%	0.39%	0.21%
DH CT-3	100.00%	91.47%	99.89%	0.59%	0.18%	2.06%
DHR	100.00%	75.97%	68.62%	79.91%	59.09%	46.38%

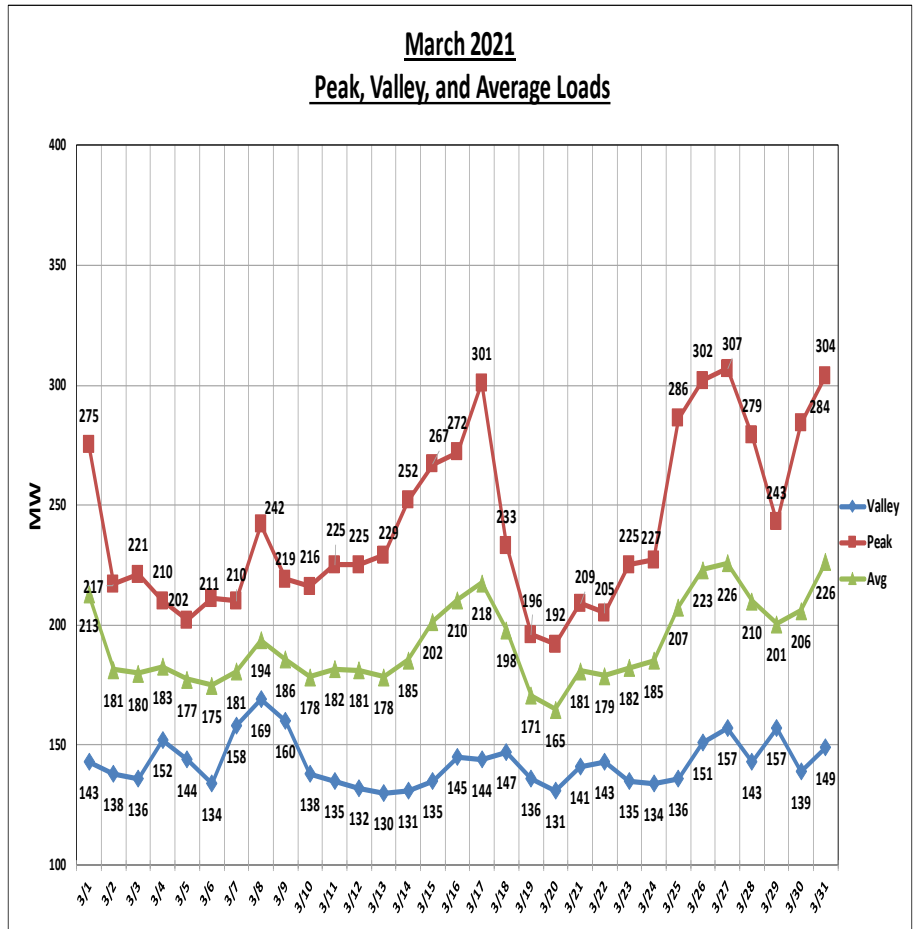
March Average Hourly Loads		
Hour Ending	2021 Load	2022 Load
HE 1	166	154
HE 2	154	146
HE 3	147	141
HE 4	144	140
HE 5	144	144
HE 6	151	155
HE 7	166	169
HE 8	177	178
HE 9	182	183
HE 10	187	187
HE 11	192	190
HE 12	197	194
HE 13	203	199
HE 14	210	206
HE 15	215	210
HE 16	222	216
HE 17	229	221
HE 18	234	223
HE 19	236	222
HE 20	234	222
HE 21	229	212
HE 22	215	198
HE 23	199	182
HE 24	181	167



Date	Valley	Peak	Avg
3/1/2022	138	213	177
3/2/2022	139	214	180
3/3/2022	138	222	183
3/4/2022	132	226	181
3/5/2022	133	236	183
3/6/2022	133	256	190
3/7/2022	139	271	204
3/8/2022	148	264	209
3/9/2022	155	253	202
3/10/2022	138	211	178
3/11/2022	135	204	178
3/12/2022	143	197	168
3/13/2022	175	234	197
3/14/2022	155	222	188
3/15/2022	134	211	179
3/16/2022	138	228	188
3/17/2022	137	241	189
3/18/2022	134	265	196
3/19/2022	137	248	195
3/20/2022	137	207	178
3/21/2022	131	219	188
3/22/2022	130	228	180
3/23/2022	144	195	169
3/24/2022	145	202	164
3/25/2022	133	192	166
3/26/2022	132	205	188
3/27/2022	129	246	198
3/28/2022	129	263	207
3/29/2022	134	278	195
3/30/2022	140	227	152
3/31/2022	152	227	152



Date	Valley	Peak	Avg
3/1/2021	143	275	213
3/2/2021	138	217	181
3/3/2021	136	221	180
3/4/2021	152	210	183
3/5/2021	144	202	177
3/6/2021	134	211	175
3/7/2021	158	210	181
3/8/2021	169	242	194
3/9/2021	160	219	186
3/10/2021	138	216	178
3/11/2021	135	225	182
3/12/2021	132	225	181
3/13/2021	130	229	178
3/14/2021	131	252	185
3/15/2021	135	267	202
3/16/2021	145	272	210
3/17/2021	144	301	218
3/18/2021	147	233	198
3/19/2021	136	192	171
3/20/2021	141	209	181
3/21/2021	143	205	179
3/22/2021	135	225	182
3/23/2021	134	227	185
3/24/2021	136	286	207
3/25/2021	151	302	223
3/26/2021	157	307	226
3/27/2021	143	279	210
3/28/2021	143	243	201
3/29/2021	157	284	206
3/30/2021	139	284	226
3/31/2021	149	304	226



City Commission - FY22 - 2QTR Coal Sourcing Report

Month	Coal Delivered	Coal Supplier(s)	Mine	Tons	Deep	MTR	Surface (No MTR)
	Jan-22	1	Creech	12,448.63	70%		30%
	Feb-22			-	70%		30%
	Mar-22			-			
Total				12,448.63	70.00%		30.00%

Notes:

1. Coal Supplier 1

Spot transaction Confirmation, Coal Commodity Purchase Agreement effective September 2, 2021 for a total of three (3) spot trains for delivery between October through December 2021. Due to a schedule conflict the December train loaded on January 29, 2022.

**Gainesville Regional Utilities
Solar PPA Status Report
Report Period: March 2022**

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	

Note *: Dates will be recalculated with 18 month delay upon execution of Contract Amendment.

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. A contract amendment was approved by the City Commission on February 17, 2022 and executed on March 10, 2022 to extend the deadlines by 18 months. The dates provided above are being recalculated to include the extension.

Prepared 4/5/2022

ENVIRONMENTAL PERMITTING

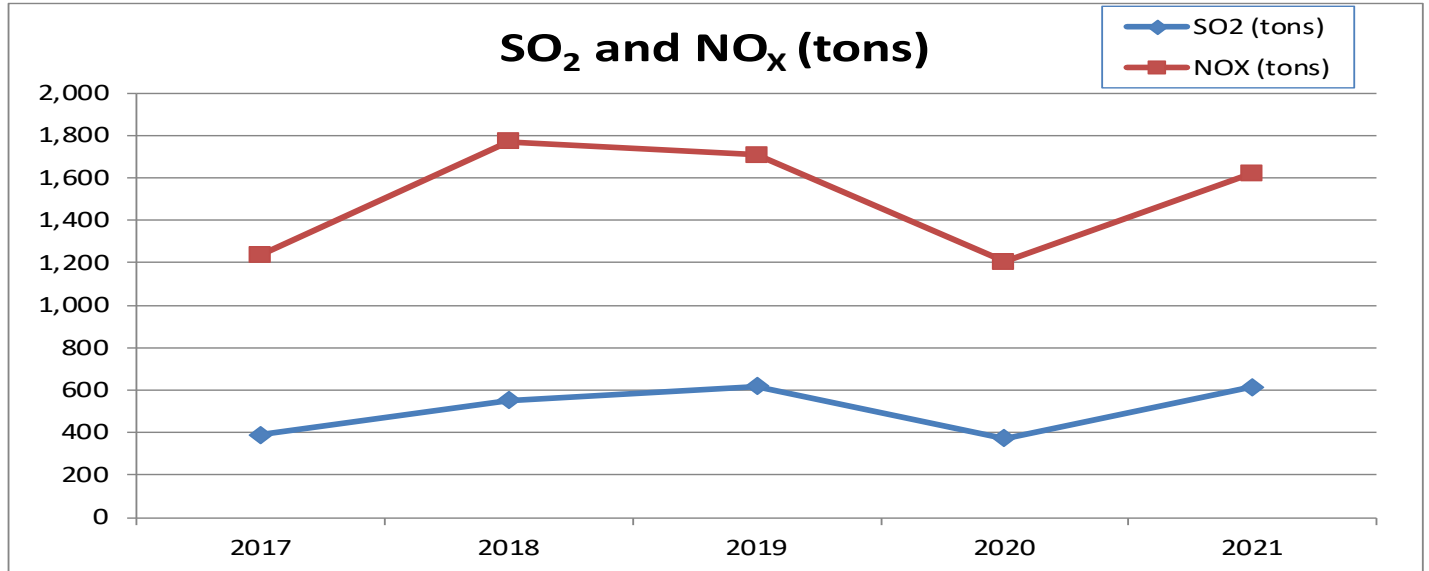
EMISSIONS DATA

Yearly Emissions

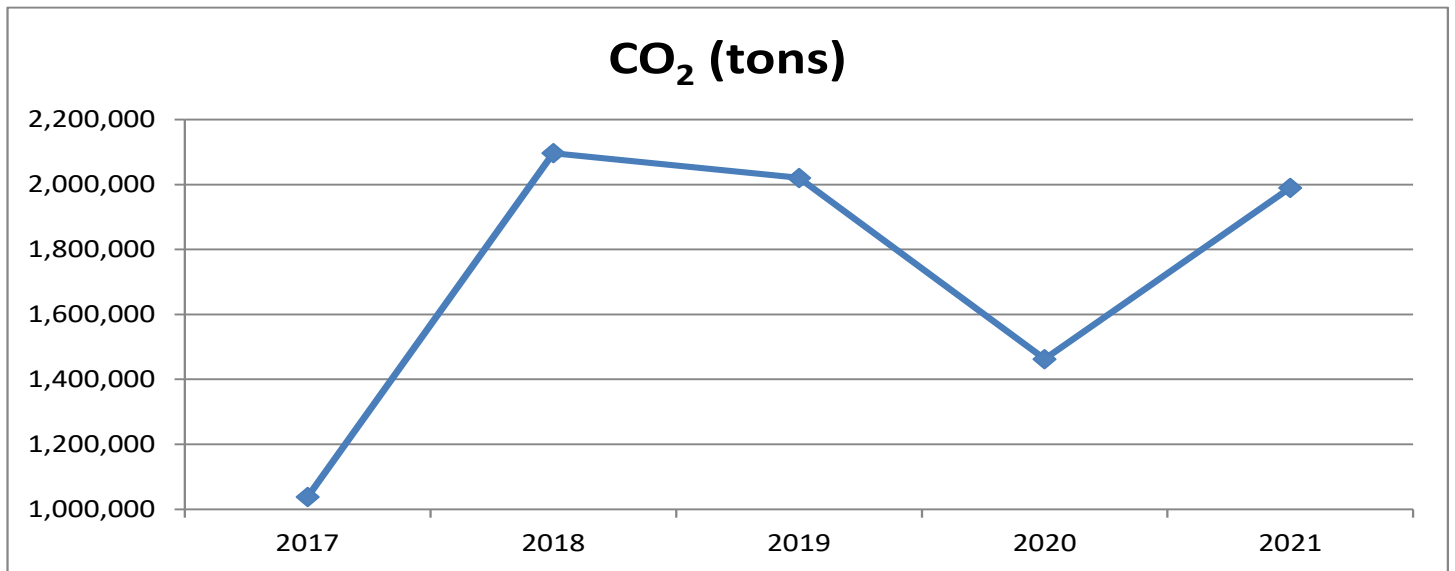
	SO ₂ (tons)	NO _x (tons)	Mercury (lbs)	PM (tons)	CO ₂ (tons)
2017	389	1,239	2.40	52	1,037,711
2018	551	1,770	3.80	55	2,096,289
2019	618	1,707	5.30	49	2,020,310
2020	372	1,203	3.14	56	1,462,622
2021	614	1,623	3.74	64	1,989,821
2022 (thru Mar.)	41	191	0.50	5.8	207,645

Mercury and Particulate values are for Unit 2 only.

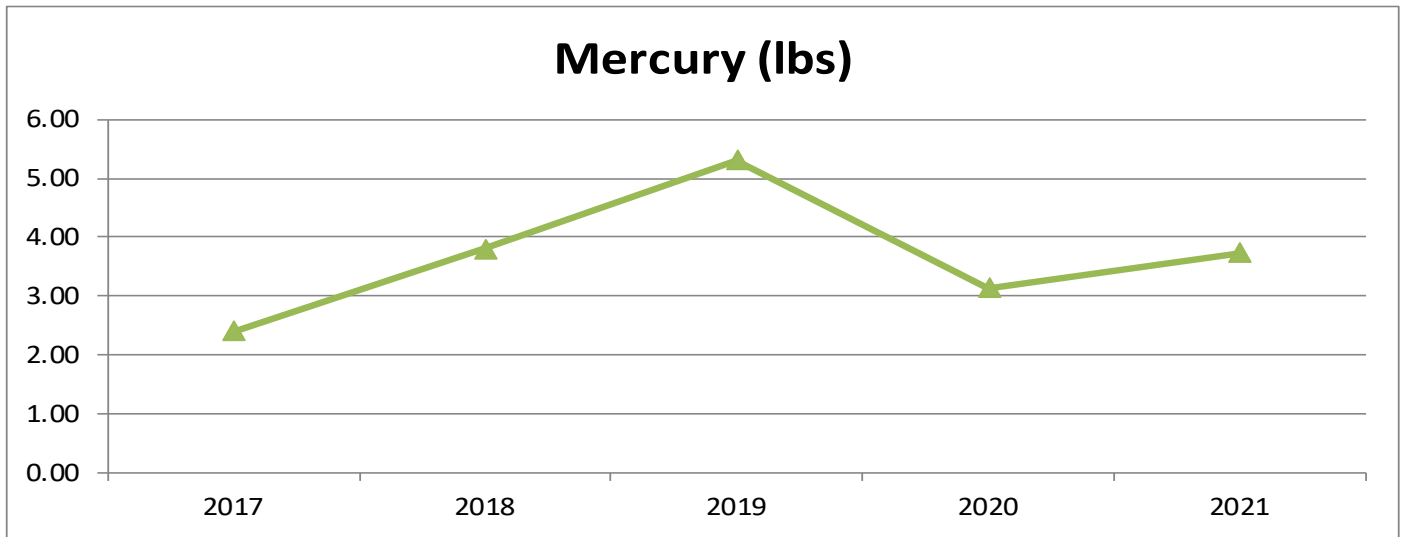
Starting 2022 DHR CO₂ is not included in the YTD since DHR is carbon neutral.



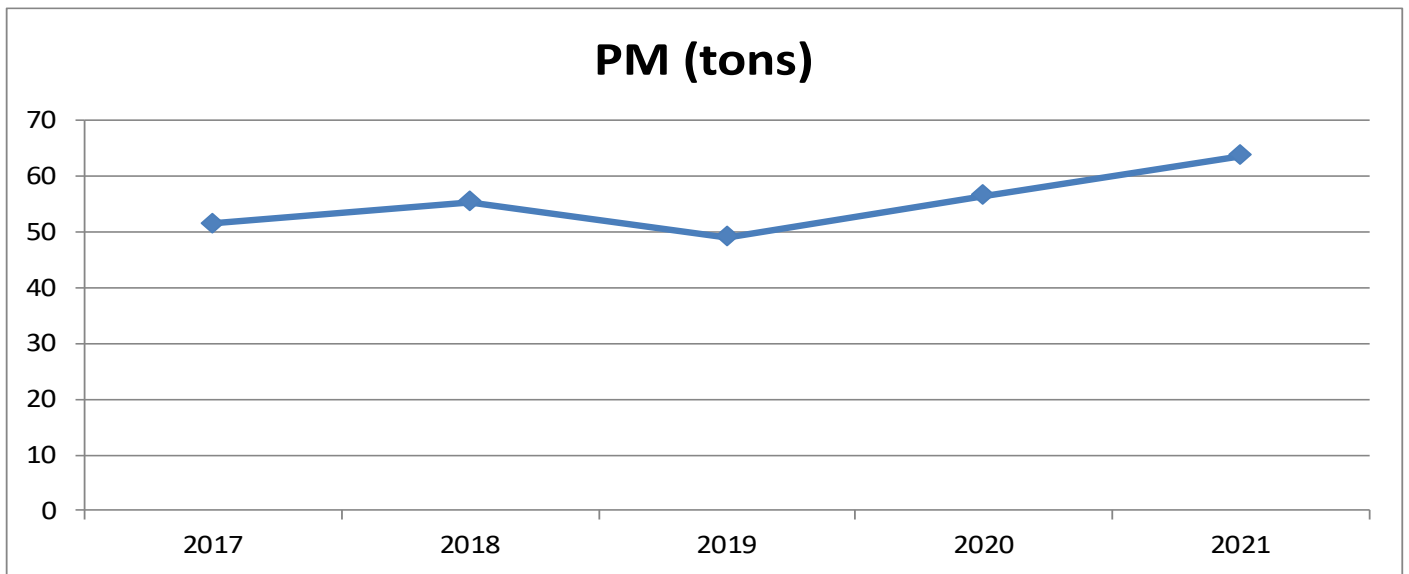
SO₂ was lower in 2017 due to higher removal rate settings to assure compliance with the MATS Rule. NO_x was higher starting in 2017 since the Cross State Rule was no longer in effect for Florida. 2018 and later data include DHR. 2017 did not include DHR.



Yearly Emissions



Mercury was lower in 2017 due to a higher removal rate setting to assure compliance with the MATS with the MATS Rule.



YTD - 2022 - March

	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	1.1	39.0			30,922.8			520,153.0	40,562.0
DH2	36.9	80.0	0.50	5.8	58,839.6			830,291.0	83,635.0
DHCT3	0.0	0.2			629.4			10,592.0	717.0
JRKCC1	0.6	27.9			117,253.2			1,973,029.0	228,018.0
DHR	2.7	43.7						1,432,968.3	110,716.0
TOTAL	41.3	190.8	0.50	5.8	207,645.0			4,767,033.3	463,648.0

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	1.1	39.0			30,922.8			520,153.0	40,562.0
DH2	36.9	80.0	0.50	5.8	58,839.6			830,291.0	83,635.0
DHCT3	0.0	0.2			629.4			10,592.0	717.0
JRKCC1	0.6	27.9			117,253.2			1,973,029.0	228,018.0
Total Without DHR	38.6	147.1	0.50	5.8	207,645.0			3,334,065.0	352,932.0

2022 - March

	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	18.1			14,708.7			248,718.0	19,524.0
DH2	0.0	0.0	0.00	0.0	0.0			0.0	0.0
DHCT3	0.0	0.1			314.1			5,287.0	363.0
JRKCC1	0.2	9.0			38,652.2			650,392.9	74,496.0
DHR	1.4	22.2						739,241.0	56,847.0
TOTAL	1.7	31.3	0.00	0.0	53,675.0			1,643,638.9	151,230.0

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	18.1			14,708.7			248,718.0	19,524.0
DH2	0.0	0.0	0.00	0.0	0.0			0.0	0.0
DHCT3	0.0	0.1			314.1			5,287.0	363.0
JRKCC1	0.2	9.0			38,652.2			650,392.9	74,496.0
Without DHR	0.3	9.1	0.00	0.0	53,675.0			904,397.9	94,383.0

WATER/WASTEWATER

PRODUCTION

MAINTENANCE

Key Milestones & Challenges for March

Completed Spyglass Apartments Water Main Replacement: Multi-phase water main replacement project to address an area of the water distribution system that had several water main leaks. Project was successfully completed minimizing disruption to our customers.

Kanapaha WRF Aerator Replacement Project: Project underway to replace the aerators in the Carousel and Old Train portions of KWRF. The Carousel aerator blades will be replaced with newer more efficient blades. This upgrade will require the motor, gearbox, and blades to be changed. The existing aerator motor, gearbox, and blades would be moved to the east/west trains of the old plant to replace the failing 125HP existing aerators.

Heavy Rains/Storms (March 10 & March 11): Heavy rains caused increased flows in the wastewater collection system. KWRF flows reached 20 MGD (14.9 MGD permitted) MSWRF flows reached 11.5 MGD (7.5 MGD permitted) Between 10 to 20 Lift Stations were in distress, 12 Stations were being hauled to avoid overflows, 9 employees worked most of weekend until conditions improved, No external resources were called.

Water/Wastewater March 2022 Dashboard

Production						
Murphree Water Treatment Plant						
		March 22	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	22.3	22	30	74%	
	Peak Daily Flow	26.2	26.2	54	48%	
Main Street Water Reclamation Facility						
		March 22	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	9.74	10.18	7.5	136%	
Kanapaha Water Reclamation Facility						
		March 22	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	12.9	13.2	14.9	89%	
Water Reclamation Facilities (Combined)						
		March 22	FY to Date (mgd)	Permitted Capacity (mgd)	% of Permitted Capacity	Status
	Average Daily Flow	22.6	23.4	22.4	104%	
Maintenance						
Wastewater Collections						
		March 2022 (Miles)	FYTD	Monthly Goal (miles)		
	Miles of gravity mains cleaned	3.97	30.13	5.0		
	Miles of gravity mains TV inspected	5.75	31.54	5.0		
Water Distribution						
		March 2022	FYTD	Monthly Goal		
	Number of Water Services Replaced	75	423	75		
SSO Monthly Summary						
		March 2022	YTD	GOAL (annual)		
	Sanitary Sewer Overflows	8	17	<22		

Major Projects and Other Updates

Recharge Wetland: Currently negotiating the contractor with the top-ranked design build firm, Wharton-Smith. Planning & design work to begin in June/July.

MSWRF Progressive Design Build - Planning phase complete. Currently executing the preliminary task order which will move the project into detailed design phase.