



ELECTRIC DEPARTMENT

Significant activities for the month of April 2023

- 5 Streetlights repaired
- 4 Permanent meter installed
- 3 Meter replaced
- 1 Reverse solar meter installed
- 3 Temporary meters installed
- 9 Poles replaced
- 19 Poles removed
- 1 New pole installed
- 4 Voltage check

In addition to the activities listed above, the Electric Department also:

- Conducted daily morning safety meetings.
- Conducted daily truck inspections.
- Trimmed limbs and vines from power lines and poles.
- Unloaded transformers and supplies when they came in.
- Inspect/locate ROW permits.
- Conduct warehouse inventory/order supplies.
- Orange Ave. & Center St., car hit a traffic cross walk pedestal.
- 3682 Colonial Dr., replaced a bad transformer and pulled new wire.
- Chapman Substation, switched power load on transformer #3 for maintenance.
- 965 Worthington Ave., replaced crossarm.
- 1009 Bunker Ave., change out crossarm to fiberglass.
- 210 Walnut St., removed overhead primary, pole, tab, and services.
- Black Creek Marina, installed primary URD system and 3 phase transformer.
- 427 Walnut St., removed riser, service wire to meter and u-guard.
- 3248 Hwy 17- Unit B, installed URD service.

During the month of April, the Electric Department responded to the following outages:

04/03/2023 – Between 7:00 p.m. – 8:00 p.m., 1711 Martin L. King Jr Blvd., lightning blew transformer fuse, 2 customers affected.

04/04/2023 – Between 5:00 p.m. – 6:00 p.m., 101 Joey Dr., transformer fuse replaced, 9 customers affected.

04/09/2023 – Between 4:00 a.m. – 6:45 a.m., 226 Pringle Circle ., remove oak tree from wires and re-fused transformer, 3 customers affected.

04/14/2023 – Between 12:00 p.m. – 3:50 p.m., 987 Bunker Ave., repaired down line and re-energized primary, 1 customer affected.

04/25/2023 – Between 10:30 a.m. – 11:30 a.m., 655 S Highland Ave., blown transformer fuse by squirrel, 4 customers affected.

04/25/2023 – Between 7:30 p.m. – 9:30 p.m., 255 S Palmetto Ave., blown transformer fuse by squirrel, 1 customer affected.

04/26/2023 – Between 8:20 a.m. – 9:20 a.m., 3258 River Rd., blown transformer fuse by squirrel, 2 customers affected.

Electric Utility Top Consumption Customers (kwh/meter) for April:

<u>NAME</u>	<u>SERVICE ADDRESS</u>	<u>KWH</u>	<u>AMOUNT</u>
Clay County Jail	901 N. Orange Ave.	226,120	\$ 29,181.22
Winn Dixie Stores, Inc	3260 Hwy. 17 N.	155,600	\$ 21,480.00
St. Johns Landing	1408 N. Orange Ave.	152,400	\$ 21,690.80
Kindred Health	801 Oak St.	112,800	\$ 15,470.00
Permabase Building Products	1767 Wildwood Rd	110,720	\$ 15,149.20
BD Of County Commissioner	825 N. Orange Ave.	110,000	\$ 15,862.00
Clay County Court House	825 N. Orange Ave.	106,080	\$ 13,908.40
BD Of Public Instruction	2025 State Road 16	86,600	\$ 13,936.00
City of Green Cove Springs	1277 Harbor Road	79,440	\$ 10,042.40
Wen South LLC/Wendy's FL.	3266 Highway 17	75,280	\$ 10,733.60
Tamko Roofing Products	914 Hall Park Rd.	66,400	\$ 11,752.40
City of Green Cove Springs	Set Street Lights	66,392	\$ 9,638.84
Coral Ridge Foods	1165 N Orange Ave.	55,680	\$ 7,446.00
Governors Creek #436	803 Oak St.	55,200	\$ 8,438.00
Garber Realty/GMC	3340 Highway 17	54,880	\$ 7,898.00
VAC-CON	954 Hall Park Rd.	47,840	\$ 6,850.40
Clay Port, Inc.	972 Bulkhead Rd. (meter B)	46,920	\$ 6,690.20
Pegasus Technologies	932 Pilot Dr Hanger 3 & 4	44,640	\$ 6,326.00
Direct TV/ATT Services, Inc.	512 Center St.	44,480	\$ 5,899.60
Ammcon Corp.	1503 County Road 315 Ste 201	39,600	\$ 6,185.00
BD Of County Commissioner	477 Houston St (dmv)	39,200	\$ 6,013.20
Race Trac Petroleum, Inc.	3106 Highway 17	38,240	\$ 5,175.20
BD Of Public Instruction	Clay High School	35,280	\$ 5,984.00
Hanson Pipe & Precast, Inc.	4190 Highway 17 S	33,520	\$ 4,924.80

Electric Utility Department Capital Projects:

Pole top switch replacement

This project began 09-18-2019 with the installation of switches at Governors Creek for restoration plan if isolation of north feeder across Governors Creek Bridge during extreme emergencies. Project is now in the inspection and evaluation process involving Chapman 2 extension to Harbor Rd and load transfer of Chapman 1 to Chapman 2.

13kV to 23kv Conversion – US17 from Harbor Road to CR 315

Planning for this project has begun. This project will continue the Chapman 1 and Chapman 2 circuits north of Harbor Road to provide capacity and reliability for existing and future customers north of Governors Creek. Materials for this project are being funded by a DEO Grant. Materials have started arriving and we are installing the material as it arrives.

Governors Creek Hardening Project

This project will allow the overhead conductor crossing Governors Creek to be placed underground from Grove Street to Harbor Road. This project has been split into two phases: (1) design and permitting and (2) construction. It is being 75% funded by a FEMA HMGP grant. Phase 1 is complete. The project is now being evaluated by FDEM and FEMA funding for the construction phase. Once funding is in place and a contract is executed, bidding and construction should take approximately 9 months. This project will also support to extension of Chapman 1 and Chapman 2 circuits north of Governors Creek to provide additional capacity and reliability for all customers north of Governors Creek.



NOTES FOR MANHOLE LOCATIONS AND URG CONDUIT SPANS

1. All Manhole locations are indicated by yellow circles with an 'M' and a number. The locations of manholes are subject to change. All manhole locations are subject to change based on the final utility location and manhole locations.
2. Underground conduits are shown by red lines with arrows indicating the direction of flow. The location of conduits is subject to change based on the final utility location and manhole locations.
3. The length of conduits is indicated by the number of conduits shown. The length of conduits is subject to change based on the final utility location and manhole locations.
4. The location of conduits is subject to change based on the final utility location and manhole locations.
5. The location of conduits is subject to change based on the final utility location and manhole locations.
6. The location of conduits is subject to change based on the final utility location and manhole locations.

The PP-3.0 (P-10) will be installed near PT-1. The connection will be made to the existing V-CGLS and URG. The connection will be made to the existing URG. The PP-3.0 (P-10) will be installed near PT-1. The connection will be made to the existing V-CGLS and URG. The connection will be made to the existing URG.

BURIED NOTES FOR UNDERGROUND BORE PIPES UNDER GOVERNORS CREEK

1. All manholes and conduits will be installed in the ground. The location of manholes and conduits is subject to change based on the final utility location and manhole locations.
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DATE	REVISIONS

PROJECT NO.	
CITY OF GREEN COVE SPRINGS	
COUNTY OF FLORIDA	
GOVERNORS CREEK CROSSING	
GOVERNORS CREEK APPROX. MANHOLE LOCATIONS & UNDERGROUND CONDUITS	
DATE	
DWG. NO.	

North and South Substation Improvements

North and South substation sub-station upgrades have begun with directional bore designs completed to install URD 23KV feeds to substation transformers eliminating the possibility of catastrophic failure in the event of lightning or material failure which could cause conductor to fall into existing bus work.