



ELECTRIC DEPARTMENT

Significant activities for the month of May 2023

- 21 Streetlights repaired
- 6 Permanent meter installed
- 1 Reverse solar meter installed
- 1 Meter removed
- 4 Poles replaced
- 13 Poles removed
- 13 New poles installed
- 5 Voltage check
- 2 Surge suppressors installed
- 1 Service removed for demolition

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.
- 1408 N. Orange Ave., de-energized 2 pot bank for meter can replacement.
- 310 Bayard Rd., replaced arrestor and jumper due to pole fire.
- Magnolia Point, change hand holes, junction connections and 2 concrete pads for transformers.
- 411., S. Palmetto Ave., installed triplex and u-guard.
- 1009 Bunker Ave., change out crossarm to fiberglass.
- 1999 Medinah Ln., replaced arrestors, after confirming no damage to the meter socket.
- 3507 Grand Victoria Ct., replaced secondary hand hole.
- Spring Park., installed URD power to the park.
- 3029 US 17 N., changed out x-arm to fiberglass and move to top of the pole.
- 406 Palm St. repaired broken secondary neutral.

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

05/04/2023 – Between 8:13 a.m. – 10:00 a.m., 313 Vermont Ave., roofer got connections together burnt down service, replaced wires, 2 customers affected.

05/10/2023 – Between 4:00 p.m. – 5:00 p.m., 3085 Anderson Rd., blown transformer fuse by squirrel, 1 customer affected.

05/18/2023 – Between 9:30 a.m. – 11:00 a.m., 1 Bunker Ave., transformer fuse replaced, 1 customers affected.

05/22/2023 – Between 3:15 p.m. – 5:00 p.m., 2972 Majestic Oaks Ln., storm lightning damaged transformer, 6 customers affected.

05/23/2023 – Between 5:45 p.m. – 8:15 p.m., 105 St Johns Ave ., damaged transformer replaced, 4 customers affected.

05/25/2023 – Between 6:00 p.m. – 8:00 p.m., 401 Highland Ave., jumper felt out of connections, 60 customers affected.

05/30/2023 – Between 11:00 a.m. – 11:39 p.m., 3248 & 3272 CR 209, blown transformer fuse by squirrel, 1 customer affected.

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

<u>NAME</u>	<u>SERVICE ADDRESS</u>	<u>KWH</u>	<u>AMOUNT</u>
Clay County Jail	901 N. Orange Ave.	216,840	\$ 26,310.02
St. Johns Landing	1408 N. Orange Ave.	209,550	\$ 27,710.60
Winn Dixie Stores, Inc	3260 Hwy. 17 N.	190,200	\$ 22,945.00
Kindred Health	801 Oak St.	161,800	\$ 19,606.00
Permabase Building Products	1767 Wildwood Rd	138,720	\$ 16,846.00
Tamko Roofing Products	914 Hall Park Rd.	119,680	\$ 16,560.40
BD Of Public Instruction	2025 State Road 16	113,800	\$ 16,300.00
BD Of County Commissioner	825 N. Orange Ave.	107,200	\$ 14,383.00
Clay County Court House	825 N. Orange Ave.	100,800	\$ 12,279.60
Governors Creek #436	803 Oak St.	78,800	\$ 9,990.00
City of Green Cove Springs	1277 Harbor Road	76,080	\$ 8,895.20
Wen South LLC/Wendy's FL.	3266 Highway 17	76,080	\$ 9,650.00
City of Green Cove Springs	Set Street Lights	66,392	\$ 8,974.92
Duval Asphalt Products, Inc.	1921 Jersey Ave	62,400	\$ 11,345.00
Garber Realty/GMC	3340 Highway 17	59,360	\$ 7,656.40
BD Of County Commissioner	477 Houston St (dmv)	57,440	\$ 7,604.40
Coral Ridge Foods	1165 N Orange Ave.	55,920	\$ 6,934.80
VAC-CON	954 Hall Park Rd.	54,320	\$ 6,991.20
BD Of Public Instruction	801 Center St	53,120	\$ 7,028.40
BD Of Public Instruction	1 N Oakridge Ave	52,800	\$ 7,776.80
Ammcon Corp.	1503 County Road 315 Ste 201	49,500	\$ 6,930.50
Pegasus Technologies	932 Pilot Dr Hanger 3 & 4	48,840	\$ 6,381.80
BD Of Public Instruction	Clay High School	46,560	\$ 6,815.60
Race Trac Petroleum, Inc.	3106 Highway 17	44,720	\$ 5,439.20

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 UG CONDUIT SPANS

- All manhole locations are shown in yellow circles. The manhole locations are shown in yellow circles. The manhole locations are shown in yellow circles.
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The UG Conduit spans will be installed over PT 1. The manhole will be shown in yellow circles. The manhole will be shown in yellow circles. The manhole will be shown in yellow circles.

SURVEY NOTES FOR UNDERGROUND BORE PIPES UNDER GOVERNORS CREEK

- Underground bore pipes will be installed under the creek. The manhole will be shown in yellow circles. The manhole will be shown in yellow circles. The manhole will be shown in yellow circles.
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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.