



ELECTRIC DEPARTMENT

Significant activities for the month of November 2024

- 7 Streetlights repaired
- 3 New streetlights installed
- 34 Meters replaced
- 5 Permanent meters installed
- 2 Temporary meters installed
- 2 Voltage checks
- 1 Utility verification
- 8 Poles removed
- 6 New poles installed

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 as they came in.
- Inspect/locate ROW permits.
- Conduct warehouse inventory/order supplies.
- 1607 Lucas Ave., house fire, we de-energized service at the pole .
- 4326 US 17, installed new cutouts, LA's and animal guard wire.
- 1006 Bunker Ave., change out CT's, wire and meter to transformer.
- 1470-1499 Mahama Bluff., remove 4 spans of triplex and installed 2 multi helix and pulled guy wires.
- 2988 Rosecrans Ln., covered up wires for tree trimming.
- 1219 Martin L. King Jr Blvd., held pole along Spruce St. for stormwater project.
- 501 S Orange Ave., remove temporary switch and temporary crossarm arm to put circuit back accordingly.
- 975 Martin Ave., re-attached 4" u-guard on riser pole.
- 965 Leonard C. Taylor Pkwy., changed out dual voltage transformer for conventional 23KV.
- 1315 Energy Cove Ct., changed out 3 phase pad-mount to 23KV straight primary voltage.
- Magnolia Ave., fixed banners.

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

11/10/2024 – Between 6:00 a.m. – 7:30 a.m. 1462 Mahama Bluff, re-fused blown cutout , 1 customer affected.

11/10/2024 – Between 4:00 p.m. – 7:00 p.m., 1219 Forbes St., repaired broken service wire, 1 customer affected.

11/12/2024 – Between 8:00 a.m. – 10:00 a.m., 4326 US 17 S., re-fused blown cutout, 1 customer affected.

11/20/2024 – Between 4:10 p.m. – 4:45 p.m., 1607 Elsie St., blown transformer fuse, 5 customers affected.

11/30/2024 – Between 11:30 a.m. – 12:40 p.m., 300 Gum St., blown transformer fuse , 1 customer affected.

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

| <u>NAME</u> | <u>SERVICE ADDRESS</u> | <u>KWH</u> | <u>AMOUNT</u> |
|--------------------------------|-------------------------------|-------------------|----------------------|
| Clay County Jail | 901 N. Orange Ave. | 207,960 | \$ 23,554.73 |
| Winn Dixie Stores, Inc | 3260 Hwy. 17 N. | 182,800 | \$ 20,350.46 |
| St. Johns Landing | 1408 N. Orange Ave. | 168,910 | \$ 20,496.96 |
| Kindred Health | 801 Oak St. | 167,000 | \$ 18,548.07 |
| Clay County Court House | 825 N. Orange Ave. | 150,200 | \$ 17,762.85 |
| Permabase Building Products | 1767 Wildwood Rd. | 139,360 | \$ 15,592.02 |
| BD Of Public Instruction | 2025 State Road 16 | 126,200 | \$ 16,210.73 |
| Tamko Roofing Products | 914 Hall Park Rd. | 114,560 | \$ 15,194.54 |
| BD Of County Commissioner | 825 N. Orange Ave. | 101,120 | \$ 11,474.44 |
| Oak Street Opco LLC | 803 Oak St. | 82,800 | \$ 9,648.42 |
| BD Of Public Instruction | Clay High School | 81,840 | \$ 11,771.29 |
| City of Green Cove Springs | 1277 Harbor Road | 80,720 | \$ 8,868.82 |
| Duval Asphalt Products, Inc. | 1921 Jersey Ave. (EAST END) | 68,400 | \$ 11,672.31 |
| City of Green Cove Springs | Set Street Lights | 66,392 | \$ 8,630.16 |
| Garber Realty/GMC | 3340 Highway 17 | 64,320 | \$ 7,712.41 |
| BD Of County Commissioner | 477 Houston St. (DMV) | 57,920 | \$ 7,087.10 |
| Coral Ridge Foods, GC | 1165 N Orange Ave. | 56,560 | \$ 6,485.28 |
| BD Of Public Instruction | 1 N Oakridge Ave. | 55,920 | \$ 8,106.66 |
| Direct Tv/ AT&T Services, Inc. | 512 Center St. | 46,400 | \$ 5,257.53 |
| City of Green Cove Springs | 925 S R 16 East SOUTH WWTP | 43,120 | \$ 4,977.10 |
| BD Of Public Instruction | 801 Center St. | 39,840 | \$ 5,077.20 |
| Ammcon Corp. | 1503 County Rd. 315 Ste. 201 | 39,300 | \$ 5,732.72 |
| BD Of Public Instruction | 1220 Bonaventure Ave. | 37,920 | \$ 4,962.55 |
| BD Of Public Instruction | 608 Mill St. | 36,880 | \$ 5,325.91 |

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 of 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 arrived and are being installed

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 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 the 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 LUG CONDUIT SPANS

- The existing manhole locations are shown on the site plan. All new manhole locations are shown in yellow.
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The 20' Class I poles will be installed near PT 1. The manholes will be on each side of the V-LUGS and 200'. The 20' Class I poles will be installed near PT 2.

The 10' Class II poles will be installed near PT 1. The manholes will be on each side of the V-LUGS and 100'. The 10' Class II poles will be installed near PT 2.

The 20' Class I poles will be installed near PT 3. The manholes will be on each side of the V-LUGS and 200'. The 20' Class I poles will be installed near PT 4. The manholes will be on each side of the V-LUGS and 200'.

The City of Green Cove Springs will maintain the manholes and poles at all times.

SURVEY NOTES FOR UNDERGROUND BORE PIPING UNDER GOVERNORS CREEK

- Underground bore piping was installed from the North Substation to the South Substation.
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| NO. | DATE | REVISIONS |
|-----|----------|--------------------|
| 1 | 11/15/24 | ISSUED FOR PERMITS |

PROJECT: GREEN COVE SPRINGS
 COUNTY: FLORIDA
 TITLE: GOVERNORS CREEK CROSSING
 DESIGNER: J. M. HANCOCK, P.E.
 CHECKER: J. M. HANCOCK, P.E.
 DATE: 11/15/24

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 buss work.