



## ELECTRIC DEPARTMENT

### Significant activities for the month of October 2024

- 7 Streetlights repaired
- 20 Meters replaced
- 2 Meters inspected
- 2 Meters installed
- 2 Services removed
- 7 Voltage checks
- 4 Utility verification
- 11 Poles removed

### **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.
- 517 St Johns Ave., disconnected power to replaced damaged weather-head .
- 3066 Gosman Rd., guy wire broken on easement replaced.
- 456 N Robert St., replaced bad arrestor.
- 1503 Martin L. King Jr Blvd., put up sign for festival.
- 1718 Julia St., set digger to hold pole, for pipes to be installed. (multiple days)
- 1277 Harbor Rd., pulled pump with digger at water department.
- 900 Gum St., change out CTs at garage shop to new ones.
- 1442 Rosecrans Ln., straightened 35ft pole that was pulled over during storm.
- 711 Highland Ave., remade connections to house on temporary weather-head.
- 932 Pilot Dr., broken cross arm replaced.
- City wide, attend to outages and others during hurricane Milton.

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

10/3/2024 – Between 3:00 p.m. – 3:50 p.m., Hwy 17., reclosure tripped by tree , 100 customers affected.

10/13/2024 – Between 8:30 a.m. – 10:30 a.m., 3199 River Rd., blown fuse cut out, 2 customers affected.

## **Electric Utility Top Consumption Customers (kwh/meter) for October:**

<b>NAME</b>	<b>SERVICE ADDRESS</b>	<b>KWH</b>	<b>AMOUNT</b>
St. Johns Landing	1408 N. Orange Ave.	271,780	\$ 29,949.30
Clay County Jail	901 N. Orange Ave.	237,760	\$ 24,701.75
Winn Dixie Stores, Inc	3260 Hwy. 17 N.	207,800	\$ 21,077.58
Kindred Health	801 Oak St.	174,200	\$ 17,505.60
Clay County Court House	825 N. Orange Ave.	148,600	\$ 15,941.67
Permabase Building Products	1767 Wildwood Rd.	141,280	\$ 14,351.37
BD Of Public Instruction	2025 State Road 16	136,200	\$ 15,797.10
Tamko Roofing Products	914 Hall Park Rd.	113,760	\$ 13,731.96
BD Of County Commissioner	825 N. Orange Ave.	101,280	\$ 10,546.09
Oak Street Opco LLC	803 Oak St.	96,000	\$ 10,028.80
BD Of Public Instruction	Clay High School	88,560	\$ 11,268.33
City of Green Cove Springs	1277 Harbor Road	85,440	\$ 8,468.03
Garber Realty/GMC	3340 Highway 17	71,840	\$ 7,746.55
City of Green Cove Springs	Set Street Lights	66,392	\$ 7,630.16
BD Of Public Instruction	1 N Oakridge Ave.	64,080	\$ 8,295.97
BD Of County Commissioner	477 Houston St. (DMV)	61,280	\$ 6,755.22
Coral Ridge Foods, GC	1165 N Orange Ave.	60,320	\$ 6,256.21
BD Of Public Instruction	608 Mill St.	49,120	\$ 6,011.00
BD Of Public Instruction	1220 Bonaventure Ave.	47,840	\$ 5,593.13
Direct Tv/ AT&T Services, Inc.	512 Center St.	47,680	\$ 4,945.34
Ammcon Corp.	1503 County Rd. 315 Ste. 201	47,400	\$ 5,813.72
BD Of Public Instruction	801 Center St.	46,560	\$ 5,398.70
Magnolia Pt Investments	3670 Clubhouse DR	46,080	\$ 4,767.18
Duval Asphalt Products, Inc.	1921 Jersey Ave. (EAST END)	44,640	\$ 8,436.34

## **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**

1. THE TOWN OF GREEN COVE SPRINGS PROVIDED COORDINATES OF MANHOLE LOCATIONS AND LUG CONDUIT SPANS. THESE COORDINATES ARE PROVIDED FOR MHAs.
2. UNDERGROUND PIPELINES BETWEEN MANHOLES 1 THROUGH 6 WERE PROVIDED BY THE TOWNSHIP OF GREEN COVE SPRINGS.
3. PUPILS ARE TO USE THE COORDINATES PROVIDED ON THE DRAWING BASED ON THE EARTH COORDINATES. IN ANY CASES OF CONFUSION, THESE COORDINATES ARE APPROPRIATE AND SHOULD ONLY BE USED OR DISCUSSED.
4. THE COORDINATES FOR THE MANHOLES ARE SHOWN IN THE MHAs. FOR CONVENIENCE, THE COORDINATES ARE ALSO SHOWN IN THE MHAs.
5. THE PROPOSED UNDERGROUND BORING PROFILE IS IDENTIFIED AS THE TEE NOTRAT OR UNDERGROUND BORING PROFILE C1 IN THE DRAWINGS.

The **PP Class 2** peaks are located near PT 1. The transmission units on each peak should be a VCELL and a GCELL. The **PP Class 3** peaks are located adjacent to PT 1. The **PP Class 3.5** peaks are located adjacent to PT 1. The **PP Class 4** peaks are located adjacent to PT 2. The transmission units on each peak should be a VCELL and a GCELL. The **PP Class 5** peaks are located near PT 2. The transmission units on each peak should be a VCELL and a GCELL. The **PP Class 6** peaks are located near PT 2. The transmission units on each peak should be a VCELL and a GCELL. The City of Green Cove Springs, Florida, determines the maximum peak count of sequences.

## 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.