



## ELECTRIC DEPARTMENT

### Significant activities for the month of August 2024

- 4 streetlights repaired
- 11 new poles installed
- 3 poles removed
- 1 pole replaced
- 4 permanent meters installed
- 4 temp meters installed
- 3 voltage checks
- 4 utility verification
- 4 services 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.
- 503 Sunset Ave., dump truck broke pole that was replaced and service repaired.
- Robert St & CR 16, replaced blown arrestor and stirrup.
- Boivin Rd & US 17, installed guy guards.
- 1505 Elsie St., straighten pole and restored power.
- Julia St & Oakridge Ave., removed pole, anchor and span guy.
- 1400 Melrose Ave., replaced group operated air-break switch.
- 715 N Pine Ave., installed #2 triplex house service
- S Oakridge Ave & Green Cove Ave., installed 8ft anchor and spliced in new location.
- 1343 Love Dr., repaired wire down.

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

08/02/2024 – Between 5:00 p.m. – 12:00 a.m., 1408 N Orange Ave., changed transformer due to lightning , 15 customers affected.

08/02/2024 – Between 5:00 p.m. – 12:00 a.m., City Wide, changed transformer due to lightning, 50 customers affected.

08/21/2024 – Between 10:00 p.m. – 12:00 a.m., 1514 Thomas St., lightning affected lateral and was re-fused 10 customers affected.

08/22/2024 – Between 7:30 a.m. – 8:00 a.m., 3191 CR 209, re-fused transformer, 4 customers affected.

08/29/2024 – Between 10:30 p.m. – 1:30 a.m., Randall Rd., tree limb fell on service , 50 customers affected.

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

<b>NAME</b>	<b>SERVICE ADDRESS</b>	<b>KWH</b>	<b>AMOUNT</b>
Clay County Jail	901 N. Orange Ave.	266,760	\$ 28,062.44
St. Johns Landing	1408 N. Orange Ave.	261,620	\$ 28,831.70
Winn Dixie Stores, Inc	3260 Hwy. 17 N.	216,200	\$ 21,587.64
Kindred Health	801 Oak St.	212,600	\$ 20,671.41
Clay County Court House	825 N. Orange Ave.	148,800	\$ 15,526.06
Permabase Building Products	1767 Wildwood Rd.	137,440	\$ 14,128.49
BD Of Public Instruction	2025 State Road 16	128,600	\$ 15,246.37
BD Of County Commissioner	825 N. Orange Ave.	117,280	\$ 12,053.78
BD Of Public Instruction	Clay High School	103,920	\$ 12,563.48
Oak Street Opco LLC	803 Oak St.	98,400	\$ 10,195.13
Tamko Roofing Products	914 Hall Park Rd.	97,440	\$ 12,600.94
BD Of Public Instruction	1 N Oakridge Ave.	88,800	\$ 9,623.52
City of Green Cove Springs	1277 Harbor Road	82,400	\$ 8,182.87
Garber Realty/GMC	3340 Highway 17	72,160	\$ 7,917.69
BD Of County Commissioner	477 Houston St. (DMV)	71,840	\$ 7,861.88
BD Of Public Instruction	608 Mill St.	66,720	\$ 7,264.38
Duval Asphalt Products, Inc.	1921 Jersey Ave. (EAST END)	66,600	\$ 10,432.99
City of Green Cove Springs	Set Street Lights	66,392	\$ 7,630.16
BD Of Public Instruction	1220 Bonaventure Ave.	64,960	\$ 7,108.77
Coral Ridge Foods, GC	1165 N Orange Ave.	62,320	\$ 6,475.30
BD Of Public Instruction	801 Center St.	60,000	\$ 6,618.46
Green Cove Springs Marina	Pier # 11 & 1	56,800	\$ 5,793.62
Ammcon Corp.	1503 County Rd. 315 Ste. 201	53,700	\$ 6,480.08
Direct Tv/ AT&T Services, Inc.	512 Center St.	49,440	\$ 5,136.98

## **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 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

- 1. THE TOWN OF GREEN COVE SPRINGS PROPOSED COORDINATED INFORMATION SYSTEMS PLAN FOR THE TOWN OF GREEN COVE SPRINGS FOR 2014-2015
- 2. UNDERGROUND SPRINKLER SYSTEMS BETWEEN MANIFOLDS 1 THROUGH 4 WERE PROVIDED BY THE TOWN OF GREEN COVE SPRINGS.
- 3. FIVE ENGINEERING SHEETS MAILED TO THE OWNER ON THE DRAWINGS BASED ON COORDINATED INFORMATION SYSTEMS PLAN FOR 2014-2015 ARE APPROPRIATE AND SHOULD NOT BE USED FOR DISCUSSIONS.
- 4. THE DRAWINGS FOR DISCUSSION PURPOSES ONLY AND IS FOR COORDINATE INFORMATION SYSTEMS PLAN FOR 2014-2015. IT HAS NOT BEEN APPROVED AND IS NOT TO BE USED IN PLACE OF SURVEY DATA.
- 5. THE PROPOSED BORE UNDER GARDENERS CREEK IS BASED ON SURVEY DATA AND IS NOT APPROVED.

The MP Class 3 poles will be installed near PT 1. The transmission units on each pole will be a VCB/EL and GCB. The MP Class 3 GCB will be installed adjacent to MP 1. The MP Class 3 Pole Breaker will be installed adjacent to MP 3. One MP Class 3 Pole will be installed near PT 2. The transmission units on each pole will be a VCB/EL and GCB. One MP Class 3 Pole will be installed near PT 3. The transmission units on each pole will be a VCB/EL and GCB. The MP Class 3 GCB will be installed adjacent to each end of each pole.

SURVEY NOTES FOR UNDERGROUND BORE PROFILE UNDER GOVERNOR'S CREEK

1. REFER TO SURVEYOR'S ALMANAC PUBLISHED BY THE U.S. GOVERNMENT.
2. SURVEY WAS CONDUCTED ON THE DATE IN CIRCLE 1.
3. HORIZONTAL DISTANCE IN FEET FROM THE SURVEY POINT TO THE NEAREST POINT ON THE LINE OF THE HORIZONTAL PLANE OF THE SURVEY POINT. THIS DISTANCE WAS MEASURED WITH A 100' TAPE PLUMBED FOR CONGRUENCY.
4. VERTICAL DISTANCE IN FEET FROM THE SURVEY POINT TO THE NEAREST POINT ON THE HORIZONTAL PLANE OF THE SURVEY POINT. THIS DISTANCE WAS MEASURED WITH A 10' TAPE PLUMBED FOR CONGRUENCY.
5. ALL MEASUREMENTS AND POSITION SHOT NUMBER ARE IN U.S. SURVEY FEET.
6. HYDROGRAPHIC MEASUREMENTS WERE MADE WITH A DYNAMIC SURVEYING INSTRUMENT.
7. THE AUTOMATIC REFLECTOR ON THIS MAP REPRESENTS THE RESULTS OF THE SURVEY. THE REFLECTOR IS LOCATED IN THE HORIZONTAL PLANE INDICATING THE SURVEY CONDITIONS EXISTING AT THE TIME.
8. CONTOURS ARE DRAWN IN FEET.
9. SURVEYOR'S PHOTOGRAPH WAS OBTAINED ON AUGUST 18, 1981.
10. SURVEY LOCATION PROVIDED BY THE SURVEYOR'S PHOTOGRAPH.

## 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.