



## **ELECTRIC DEPARTMENT**

### **Significant activities for the month of March 2021**

- 2 Streetlights repaired
- 5 Permanent meters installed
- 5 Temporary meters installed
- 8 Poles removed
- 9 Poles installed
- 1 Temporary pole removed
- 3 Voltage check
- 4 Utility Verifications
- 1 Surge suppressor 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 when they come in.
- Inspect/locate ROW permits.
- Conduct warehouse inventory/order supplies.
- 3248 Hwy 17, moved service from over to underground.
- 717 S Oakridge Ave., disconnected service in the morning for repairs.
- 736 Myrtle Ave., removed electrical utilities for demolition.
- West St & Forbes St., removed palm trees smoking on wires.
- 851 Bulkhead Rd., repaired wires, sailboat ran into overhead secondary.
- 1226 Forbes St., repaired bad connections at weather-head .
- 321 Walnut St, replaced rope on flagpole.
- Chapman Circuit #3, installed 6" conduit for URD dip in circuit.
- 415 Sunset Ave., installed 50 KVA pad-mount and URD for 4 new homes.
- 204 St Johns Ave., removed yellow line guards on primary wire.
- 501 S Orange Ave., replaced gang switch with three 600-amp blade switches.
- 245 Pringle Circle Apt. 6, turn off main breaker apartment on fire.
- 401 Robert St., ran URD wire up pole and installed u-guard.
- Hwy 17 South of Orange Ave & Hall Park Rd., removed single phase transformer.

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

03/01/2021 – Between 9:41 a.m. – 9:50 a.m., 1502 North St., blown transformer fuse by squirrel, 3 customers affected.

03/02/2021 – Between 9:00 a.m. – 9:15 a.m., 220 Palmer St., blown transformer fuse by squirrel, 3 customers affected.

03/03/2021 – Between 5:00 a.m. – 5:30 a.m., City-Wide, FPL transmission outage, all customers affected.

03/04/2021 – Between 9:00 a.m. – 9:15 a.m., 1408 Hwy 17 N., blown transformer fuse that only feeds power to field reclosure.

03/06/2021 – Between 10:30 p.m. – 1:30 a.m., 3754 Randall Rd., tree felt on service lines, 1 customer affected.

03/09/2021 – Between 8:30 a.m. – 10:00 a.m., 100 Joey Circle W, blown transformer fuse, 15 customers affected.

03/12/2021 – Between 10:21 a.m. – 10:45 p.m., 679 S Highland Ave, blown transformer fuse by squirrel, 4 customers affected.

03/14/2021 – Between 3:45 p.m. – 6:45 p.m., 914 Hall Park Rd, bad secondaries, 1 customer affected.

03/16/2021 – Between 9:00 a.m. – 9:20 a.m., 1322 East St, blown transformer fuse by squirrel, 2 customers affected.

03/23/2021 – Between 9:33 a.m. – 10:00 a.m., 1504 Thomas St, blown transformer fuse by squirrel, 10 customers affected.

03/28/2021 – Between 6:00 p.m. – 7:00 p.m., 457 Olive Circle, blown transformer fuse by squirrel, 8 customers affected.

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

<b><u>NAME</u></b>	<b><u>SERVICE ADDRESS</u></b>	<b><u>KWH</u></b>	<b><u>AMOUNT</u></b>
Clay County Jail	901 N. Orange Ave.	290,560	\$22,194.16
BD Of County Commissioner	825 N. Orange Ave.	212,200	\$16,343.20
St. Johns Landing	1408 N. Orange Ave.	207,010	\$18,266.88
Kindred Health	801 Oak St.	172,200	\$13,427.00
Winn Dixie Stores, Inc	3260 Hwy. 17 N.	158,600	\$13,056.60
Tamko Roofing Products	914 Hall Park Rd.	115,680	\$11,308.88
BD Of Public Instruction	2025 State Road 16	94,800	\$ 8,909.80
Clay County Court House	825 N. Orange Ave.	90,400	\$ 7,427.60
Governors Creek #436	803 Oak St.	78,800	\$ 9,620.40
City of Green Cove Springs	1277 Harbor Road	76,240	\$ 5,557.44
Garber Realty/GMC	3340 Highway 17	72,160	\$ 6,491.76
City of Green Cove Springs	Set Street Lights	66,392	\$ 6,053.67
Clay County Driver's License	477 Houston St.	61,600	\$ 5,562.00
VAC-CON	954 Hall Park Rd.	58,560	\$ 4,954.68
City of Green Cove Springs	925 S R 16 East South Wwtp	54,160	\$ 4,203.76
Coral Ridge Foods	1165 N Orange Ave.	53,360	\$ 4,202.56
Pegasus Technologies	932 Pilot Dr.	48,120	\$ 4,168.52
Direct TV/AT&T Services Inc.	512 Center St.	44,320	\$ 3,460.72
Clay Port Inc.	972 Bulkhead Rd (meter B)	43,680	\$ 4,132.28
BD Of Public Instruction	801 Center St.	39,200	\$ 4,100.40
BD Of Public Instruction	Clay High School	38,640	\$ 4,283.84
BD Of Public Instruction	1 N Oakridge Ave	36,480	\$ 4,866.08
Race Trac Petroleum Inc.	3106 Highway 17	36,160	\$ 2,928.96

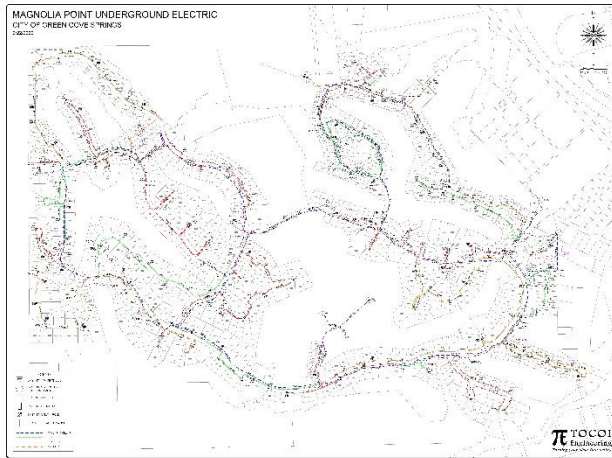
# Electric Utility Department Capital Projects:

## 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.

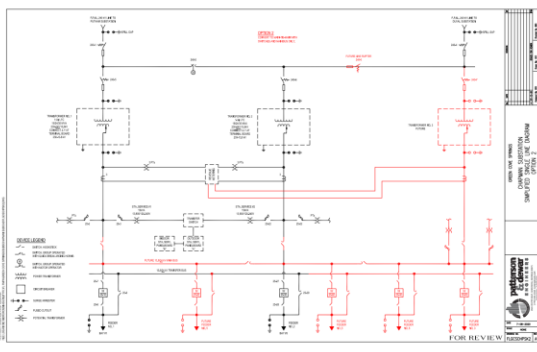
## Magnolia Point Reconductor

The City has provided survey and equipment rating information to Toco Engineering. The project is 100% designed. The backbone switchgear and wire have been ordered and received. Work is expected to start in January 2021 with completion by Winter 2021. Work will be completed by City crews with support from contractors as necessary.



## Chapman Substation upgrade

Patterson and Dewar is the City's engineering firm for this project. The transformer has been specified and ordered. Patterson and Dewar is designing the rest of the improvements to the substation as well as SCADA to be installed throughout the system. Design is complete. The construction was awarded to Terry's Electric. They arrived on site the first week of January 2021 to begin work at the substation. The new transformer is set to be delivered February 23, 2021. The project should be complete in July 2021.



## Chapman 3<sup>RD</sup> Circuit

IRBY Construction began September 21, 2020 and the project is now complete.



## Chapman 1 / Chapman 2

Express circuit feed project of Chapman 1 to north of Governors Creek (a.k.a. **Magnolia Point Third Feed**) and Chapman 2 extension to Harbor Rd project have been combined to balance future load requirements north of Governors Creek and to supply additional restoration procedure options involving electric outages north of Governors Creek. Conductor had been installed on Roberts St. for Chapman 1 alternate path. City crews are now working on additional new line on south right of way that will enable Reynolds Park load to be transferred from Chapman 1 circuit to Chapman 2. Materials for this portion of the project are being funded by a DEO Grant.

## Houston St. re-conductor

Planning for the reconductoring of Chapman 2 with 477 AAC from Martin Luther King Blvd. to Palmetto Ave. has begun. This will support a second circuit extending north of Governors Creek for restoration involving Magnolia Point, provide an alternate tie between Chapman 1 and Chapman 2 (was not possible before due to conductor size) and support AMMCON, PASS and other future expansion north of Governors Creek. Materials for this project are being funded by a DEO Grant.

## 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.

## 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.

