



ELECTRIC DEPARTMENT

Significant activities for the month of November 2020

- 13 Streetlights repaired
- 6 Permanent meters installed
- 2 Temporary meters installed
- 1 Remove temporary meter
- 2 Poles removed
- 3 Voltage check
- 3 Utility Verifications

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
- 474 Olive Circle., repairs were completed, and we reconnect power.
- 626 Myrtle Ave., reconnected service after final inspection of system.
- 704 Oakridge Ave., removed line that was down.
- 412 Highland Ave., removed limb on wire.
- 1424 Wilkies Point Rd., tree limb came down, repaired low hanging wire.
- Cherry Hills Ct., pulled pump with the truck.
- 1315 Energy Cove Ct., replaced 6in conduit, old one was cracked.
- Lamont St., assisted the Water Department with pulling pump at lift station.
- 917 Ferris St., apartments were on fire, for public safety we removed 4 meters and their covers .
- 1107 Martin L. King Jr Blvd., transfer service to URD, and installed conduit.
- 900 Gum St., removed fiber cables from 5 poles.

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

11/06/2020 – Between 11:00 p.m. – 12:30 a.m., 1517 Idlewild Ave., rat cause power outage, 2 customers affected.

11/10/2020 – Between 2:46 p.m. – 3:54 p.m., Chapman Feeder North of SR 16., bird nest on concrete pole cause power outage, 1600 customers affected.

11/12/2020 – Between 7:38 a.m. – 9:00 a.m., System Wide Area, major storm (T.S. Eta) caused power outage, 3000 customers affected.

11/18/2020 – Between 7:50 a.m. – 8:50 a.m., 1937 SR 16 West., tree limb blown lateral 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.	314,240	\$28,242.00
BD Of County Commissioner	825 N. Orange Ave.	254,000	\$22,704.00
St. Johns Landing	1408 N. Orange Ave.	242,570	\$24,792.14
Kindred Health	801 Oak St.	211,400	\$19,067.00
Winn Dixie Stores, Inc	3260 Hwy. 17 N.	190,400	\$17,526.00
National Gypsum Company	1767 Wildwood Rd.	134,400	\$12,673.20
BD Of Public Instruction	2025 State Road 16	128,000	\$13,594.00
Tamko Roofing Products	914 Hall Park Rd.	95,200	\$11,147.60
Governors Creek #436	803 Oak St.	94,400	\$ 9,000.00
Clay County Driver's License	477 Houston St.	85,760	\$ 8,426.80
Garber Realty/GMC	3340 Highway 17	78,880	\$ 8,006.00
Clay County Court House	825 N. Orange Ave.	73,440	\$ 7,448.40
City of Green Cove Springs	Set Street Lights	66,392	\$ 6,983.16
City of Green Cove Springs	1277 Harbor Road	63,680	\$ 5,682.80
VAC-CON	954 Hall Park Rd.	59,680	\$ 5,906.40
Board of Public Instruction	Clay High School	56,880	\$ 6,254.00
Coral Ridge Foods	1165 N Orange Ave.	54,160	\$ 5,125.20
Board of Public Instruction	1 N Oakridge Ave.	53,760	\$ 6,550.40
BD Of Public Instruction	801 Center St.	51,840	\$ 5,434.00
Pegasus Technologies	932 Pilot Dr.	50,400	\$ 5,258.00
Direct TV/AT&T Services Inc.	512 Center St.	46,720	\$ 4,315.60
City of Green Cove Springs	925 S R 16 East South Wwtp	44,160	\$ 4,164.40
Wen South LLC / Wendy's FL	3266 Highway 17	38,720	\$ 3,749.60

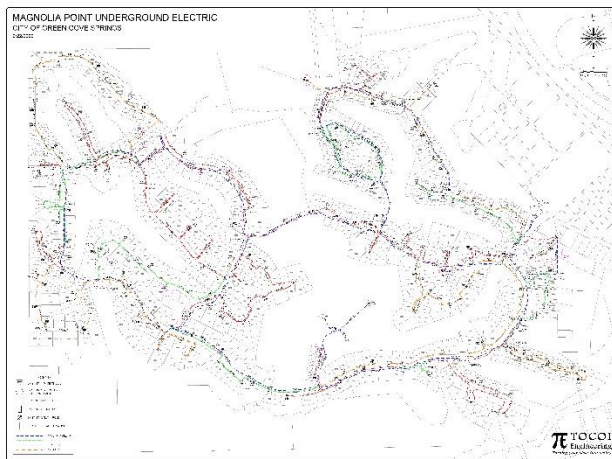
Electric Utility Department Capital Projects:

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.

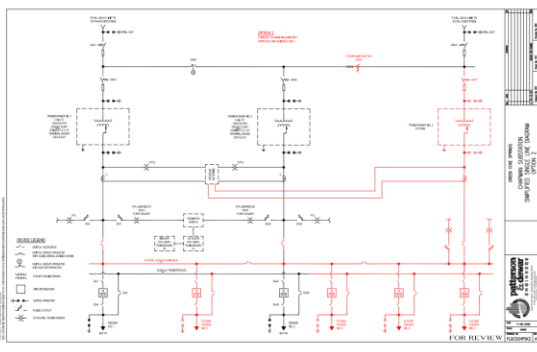
Magnolia Point Reconductor

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.



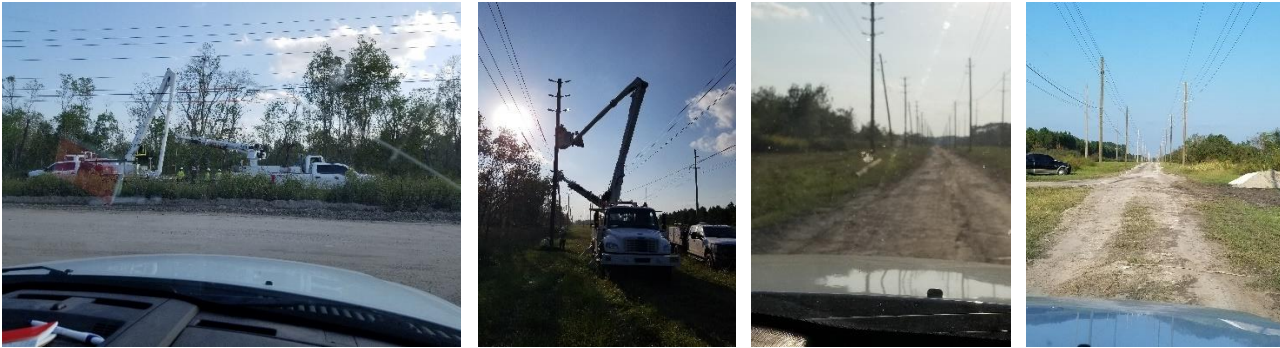
Chapman Substation upgrade

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 approximately 95% complete. There Relay Panel bid and Construction Contractor bid are currently advertised with award anticipated for December. Construction is anticipated to start in January 2021 with the project coming online in July 2021.



Chapman 3RD Circuit

IRBY Construction began September 21, 2020 with an expected completion date of January 31, 2020. The construction is approximately 70% 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.

