



ELECTRIC DEPARTMENT

Significant activities for the month of April 2022

- 14 Streetlights repaired
- 1 Nightlight repaired
- 1 Nightlight installed
- 2 Temporary meters installed
- 4 Meters replaced
- 3 Meters inspected
- 1 Pole installed
- 4 Poles removed
- 3 Voltage check

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.
- 3620 Shinnecock Ln., assist public works crew with install of bollards.
- 2008 Wedge Ct., secured with screws green box in the yard.
- 3231 River Rd., secured cables after a dump truck snap the lines.
- 415 Walnut St., reconnected overhead conductors.
- 204 Gum St., disconnected service for replacement of fascia board.
- 3465 Olympic Dr., removed lifting bolts from transformer.
- 914 Hall Park Rd., placed ground rod below ground level.
- 1856 Colonial Dr., removed lifting bolts from transformer and placed warning labels on above ground pedestal.
- 1247 Travers Rd., added fill dirt at bottom of pole and placed warning labels on above ground pedestal.
- 955 Worthington Ave., made repairs to reclosure cabinet.
- CR 315, installed conduit strap on flex conduit.
- 965 Leonard C. Taylor Pkwy., changed out gang switch pole and cut wire, and removed primary meter one pole north of pole change out.

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

04/7/2022 – Between 10:23 a.m. – 11:00 a.m., 710 Highland Ave., squirrel knocked out feeder, 200 customers affected.

04/9/2022 – Between 4:30 p.m. – 7:00 p.m., 1611 Elsie St., tree felt on power lines, 2 customers affected.

04/9/2022 – Between 7:00 p.m. – 8:00 p.m., 1504 Walnut St., replaced blown fuse at transformer, 10 customers affected.

04/14/2022 – Between 9:05 a.m. – 10:00 a.m., 1442 Mahama Bluff., blown transformer fuse because of vines, 2 customers affected.

04/15/2022 – Between 5:00 p.m. – 5:25 p.m., 3387 Gator Bay Rd., refused blown Lateral fuse, 15 customers affected.

04/20/2022 – Between 4:45 p.m. – 5:15 p.m., 4233 North Rd., broken neutral, 3 customers affected.

04/27/2022 – Between 7:00 p.m. – 7:30 p.m., 3144 Bazley Rd., refused blown Lateral fuse, 1 customer affected.

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

<u>NAME</u>	<u>SERVICE ADDRESS</u>	<u>KWH</u>	<u>AMOUNT</u>
BD Of County Commissioner	825 N. Orange Ave.	258,400	\$30,663.60
Clay County Jail	901 N. Orange Ave.	252,960	\$29,336.44
St. Johns Landing	1408 N. Orange Ave.	186,690	\$23,572.94
Kindred Health	801 Oak St.	181,400	\$20,864.60
Winn Dixie Stores, Inc	3260 Hwy. 17 N.	166,000	\$19,816.00
Permabase Building Products	1767 Wildwood Rd	152,480	\$17,430.32
Clay County Court House	825 N. Orange Ave.	101,120	\$10,060.88
Tamko Roofing Products	914 Hall Park Rd.	99,360	\$13,925.84
BD Of Public Instruction	2025 State Road 16	85,000	\$11,933.00
Governors Creek #436	803 Oak St.	72,000	\$ 8,946.00
City of Green Cove Springs	1277 Harbor Road	68,640	\$ 7,702.16
City of Green Cove Springs	Set Street Lights	66,392	\$ 8,576.57
Clay County Driver's License	477 Houston St.	59,360	\$ 7,368.24
VAC-CON	954 Hall Park Rd.	57,520	\$ 7,056.88
Coral Ridge Foods	1165 N Orange Ave.	56,560	\$ 6,662.64
Pegasus Technologies	932 Pilot Dr.	52,920	\$ 6,360.08
Garber Realty/GMC	3340 Highway 17	49,280	\$ 6,424.72
BD Of Public Instruction	801 Center St.	44,320	\$ 6,028.88
Duval Asphalt Products, Inc.	1921 Jersey Ave.	44,100	\$ 8,470.40
Direct TV/ATT Services Inc.	512 Center St.	44,000	\$ 5,154.00
Race Trac Petroleum Inc.	3106 Highway 17	39,600	\$ 4,657.20
Ammcon Corp.	1503 County Road 315 Ste 201	38,400	\$ 5,279.60
BD Of Public Instruction	1 N Oakridge Ave	36,720	\$ 5,725.28
BD Of Public Instruction	Clay High School	35,280	\$ 5,256.32

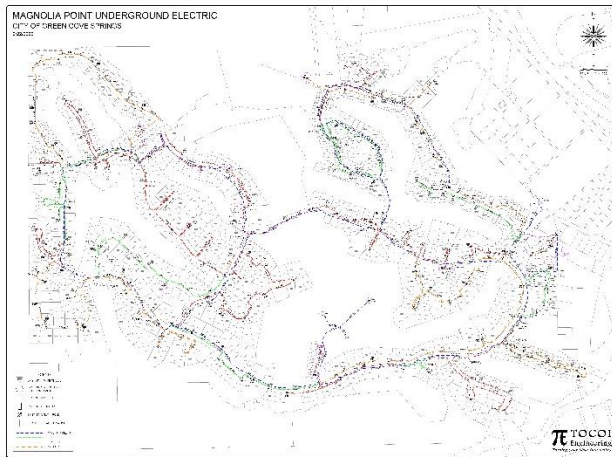
Electric Utility Department Capital Projects:

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.

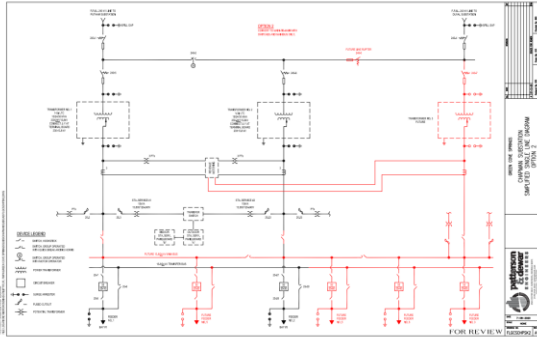
Magnolia Point Reconductor

This project has been reviewed by our new Electric Director and a local contractor and revised. The project will now focus on a brand new 3-phase backbone “ring” through the development with two feeds. This ring will be constructed as phase 1 utilizing a standing contract to bore in new 6” conduit for the entire ring and utilizing a contractor to pull in the new conductor and tie into the existing side roads along the way. The re-design is now completed by our engineer. Conduit and Conductor has been received for phase I and work has begun. Work started on October 11, 2021, with completion expected by Summer 2022.



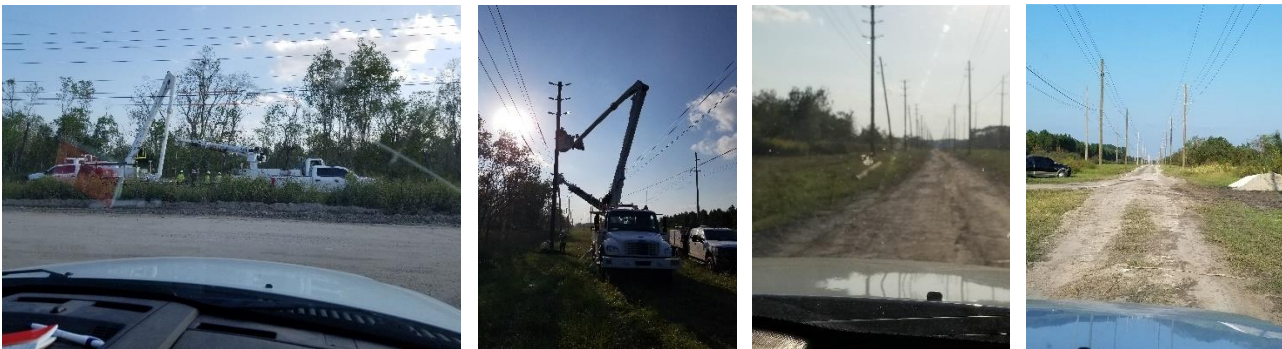
Chapman Substation upgrade

Patterson & Dewar is the City’s engineering firm for this project. The transformer is now energized with load on it, and we are now in the final stages of installing the new SCADA system on the older transformers. Patterson & Dewar have designed 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 substation work is complete, and we are working with Patterson & Dewar to finish up the last testing of the SCADA system before going live. The project should be complete by the middle of 2022.



Chapman 3RD 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. **PROJECT IS NOW COMPLETE.**

Houston St. re-conductor

Planning for the re-conductoring 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. **PROJECT IS NOW COMPLETE.**

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 started arriving and we are installing the material as it arrives.

