



ELECTRIC DEPARTMENT

Significant activities for the month of June 2021

- 11 Streetlights repaired
- 3 Permanent meters installed
- 2 Temporary meters installed
- 1 Meter removed
- 3 Reverse solar meters installed
- 4 Poles installed
- 8 Voltage check
- 4 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.
- 1501 Palmer St., repaired service drop, tight up at the transformer.
- 3325 Turkey Creek, replaced hand-hole.
- 310 N Magnolia Ave., replaced service wire to the house.
- 808 Oak St., tree limb on service to the house broke streetlight.
- 459 Brentwood Ct., replaced lid on hand-hole.
- 1856 Colonial Dr., installed surge suppressor.
- 4106 S Oakridge Ave., installed three 600AMP disconnect switches.
- 800 Oak St., removed tree from service wire.
- 463 Olive Circle, installed hand hole, 4/0 URD and u-guard.
- 445 Olive Circle, removed yellow guards.
- 1277 Harbor Rd., assisted plant operators installing pump inside the tank.
- Chapman Substation, framed 4 concrete poles.
- 1505 Wayne St., replaced bracket and switch to transformer.
- 1029-A Bunker Ave., changed out bad transformer.

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

06/05/2021 – Between 6:00 p.m. – 9:30 p.m., 109 Pine Ave & 700 Palmer St., transformer went bad in lightning storm, 5 customers affected.

06/06/2021 – Between 5:00 a.m. – 6:30 a.m., 201 Park St., burnt jumper and 600 AMP switch, 100 customers affected.

06/08/2021 – Between 2:30 a.m. – 5:00 a.m., West St., tree on the line blown fuse, 20 customers affected.

06/08/2021 – Between 5:30 a.m. – 7:00 a.m., 3301 Hwy 17 N., blown arrester due to lightning, 1 customer affected.

06/08/2021 – Between 8:38 a.m. – 8:58 a.m., 1525 Walnut St., blown transformer fuse and neutral repaired, 4 customers affected.

06/10/2021 – Between 6:25 a.m. – 10:30 a.m., 1541-1567 Ball Rd., replaced transformer bracket switch, stirrup, and hot line clamp, 6 customers affected.

06/14/2021 – Between 9:50 a.m. – 11:44 a.m., 3778 Randall Rd., removed tree down and repaired primary, 6 customers affected.

06/15/2021 – Between 7:05 a.m. – 8:30 a.m., 1504 Thomas St., squirrel blown fuse, 3 customers affected.

06/15/2021 – Between 5:30 p.m. – 7:30 p.m., CR 209 N., tree down on feeder, replaced bracket and cable, 100 customers affected.

06/15/2021 – Between 6:00 p.m. – 8:00 p.m., 1408 N Orange Ave., blown transformer fuse, 6 customers affected.

06/22/2021 – Between 8:00 p.m. – 10:15 p.m., 3310 Virginia Ln., tree came down broke service line, 1 customer affected.

06/24/2021 – Between 5:58 p.m. – 8:30 p.m., 514 N Cypress Ave., tree came down took out primary wire, 15 customers affected.

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

<u>NAME</u>	<u>SERVICE ADDRESS</u>	<u>KWH</u>	<u>AMOUNT</u>
Clay County Jail	901 N. Orange Ave.	420,640	\$39,479.28
BD Of County Commissioner	825 N. Orange Ave.	301,600	\$28,997.20
St. Johns Landing	1408 N. Orange Ave.	285,750	\$31,196.75
Kindred Health	801 Oak St.	210,400	\$20,328.80
Winn Dixie Stores, Inc	3260 Hwy. 17 N.	206,400	\$20,272.80
National Gypsum Company	1767 Wildwood Rd	148,160	\$14,497.52
Clay County Court House	825 N. Orange Ave.	134,080	\$12,989.36
Tamko Roofing Products	914 Hall Park Rd.	116,960	\$13,557.52
BD Of Public Instruction	2025 State Road 16	109,000	\$12,847.00
Garber Realty/GMC	3340 Highway 17	108,160	\$10,469.52
Governors Creek #436	803 Oak St.	102,000	\$10,420.00
Clay County Driver's License	477 Houston St.	89,120	\$ 9,316.24
City of Green Cove Springs	1277 Harbor Road	74,160	\$ 6,987.92
Coral Ridge Foods	1165 N Orange Ave.	72,240	\$ 7,034.48
City of Green Cove Springs	Set Street Lights	66,392	\$ 7,447.90
VAC-CON	954 Hall Park Rd.	64,880	\$ 6,702.96
Pegasus Technologies	932 Pilot Dr.	60,240	\$ 6,397.28
Clay Port Inc.	972 Bulkhead Rd (meter B)	59,640	\$ 6,446.68
BD Of Public Instruction	801 Center St.	58,400	\$ 6,362.00
City of Green Cove Springs	925 S R 16 East South Wwtp	55,840	\$ 5,424.48
Direct TV/AT&T Services Inc.	512 Center St.	55,680	\$ 5,404.56
BD Of Public Instruction	1 N Oakridge Ave	52,560	\$ 9,317.12
Ammcon Corp.	1503 County Road 315 Ste 201	48,300	\$ 5,336.60
BD Of Public Instruction	1220 Bonaventure Ave	45,920	\$ 5,229.84

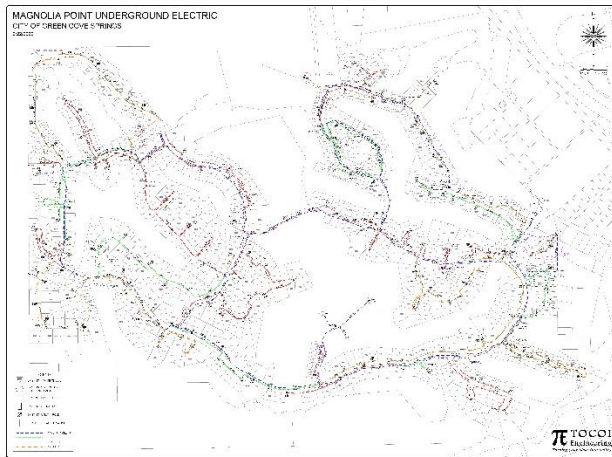
Electric Utility Department Capital Projects:

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.

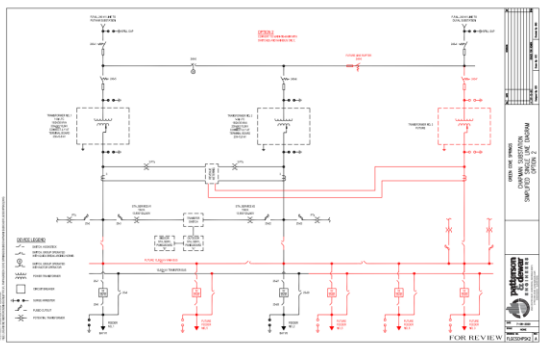
Magnolia Point Reconductor

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 feeds along the way. The re-design is now completed by our engineer. Conduit and conductor for phase I has been ordered. Work is expected to start in July 2021 with completion by Summer 2022.



Chapman Substation upgrade

Patterson and Dewar is the City’s engineering firm for this project. The transformer is now delivered and set on the pad in its permanent location. Patterson and 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 project should be complete in August 2021.



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 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. **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.

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.

