



ELECTRIC DEPARTMENT

Significant activities for the month of September 2021

- 9 Streetlights repaired
- 3 Barn lights installed
- 8 Permanent meters installed
- 1 Temporary meter installed
- 1 Meter inspected
- 1 Meter replaced
- 7 Poles removed
- 1 Pole inspected
- 8 Voltage check
- 3 Surge suppressor installed
- 8 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.
- 413-429 Melrose Ave., replaced arrestor station on 13KV circuit.
- Hall Park Rd., removed power for maintenance personal to worked at meter can.
- Palmetto Ave & Bay St., move wire to new poles.
- 502 N Magnolia Ave., replaced arrestors on transformer pole.
- 409 Pine St., tore service down to the house and put service back up for trees to be removed.
- 1280 Governors Creek Dr., removed service for repairs.
- 3282 CR 209., wires rise they were too low.
- 103 S Orange Ave., dug a hole in preparedness for Walgreens's outage to put new lines .
- 102 St Johns Ave., Down guy wire repaired.
- 3765 Constancia Dr., replaced hand hole.

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

09/02/2021 – Between 6:00 p.m. – 6:40 p.m., Magnolia Point., bad lightning storm, 2500 customers affected.

09/14/2021 – Between 9:53 a.m. – 10:15 a.m., 3 Palmetto Ave., blown transformer fuse, 1 customer affected.

09/15/2021 – Between 2:00 p.m. – 4:00 p.m., 400 S. Vermont St., blown arrestor on 2 pot bank, 6 customers affected.

09/15/2021 – Between 9:30 p.m. – 11:28 p.m., 604 Walnut St., blown arrestor, 2 customers affected.

09/17/2021 – Between 11:45 a.m. – 12:30 p.m., 1453 Wilkies Rd., burnt cut outs, 2 customers affected.

09/25/2021 – Between 9:30 a.m. – 12:00 p.m., 512 Highland Ave., squirrel on primary cables, 8 customers affected.

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

<u>NAME</u>	<u>SERVICE ADDRESS</u>	<u>KWH</u>	<u>AMOUNT</u>
Clay County Jail	901 N. Orange Ave.	385,440	\$36,905.68
St. Johns Landing	1408 N. Orange Ave.	355,600	\$38,810.40
BD Of County Commissioner	825 N. Orange Ave.	293,800	\$28,159.60
Winn Dixie Stores, Inc	3260 Hwy. 17 N.	230,200	\$22,241.90
Kindred Health	801 Oak St.	214,800	\$20,621.60
Clay County Court House	825 N. Orange Ave.	160,160	\$15,100.72
BD Of Public Instruction	2025 State Road 16	152,200	\$16,763.40
Governors Creek #436	803 Oak St.	120,400	\$11,996.80
National Gypsum Company	1767 Wildwood Rd	112,640	\$11,557.68
Tamko Roofing Products	914 Hall Park Rd.	97,440	\$11,929.68
Clay County Driver's License	477 Houston St.	92,640	\$ 9,536.88
BD Of Public Instruction	1 N Oakridge Ave	84,240	\$ 9,976.88
Garber Realty/GMC	3340 Highway 17	76,960	\$ 7,843.12
BD Of Public Instruction	801 Center St.	71,520	\$ 7,533.04
City of Green Cove Springs	1277 Harbor Road	71,360	\$ 6,758.32
Coral Ridge Foods	1165 N Orange Ave.	69,760	\$ 7,048.72
City of Green Cove Springs	Set Street Lights	66,392	\$ 7,447.90
BD Of Public Instruction	Clay High School	63,840	\$ 7,406.48
VAC-CON	954 Hall Park Rd.	61,680	\$ 6,508.56
BD Of Public Instruction	1220 Bonaventure Ave	58,240	\$ 6,348.88
Clay Port, Inc.	972 Bulkhead Rd	55,200	\$ 5,674.60
Pegasus Technologies	932 Pilot Dr.	55,080	\$ 6,014.96
BD Of Public Instruction	608 Mill St.	52,880	\$ 6,194.96
Direct TV/AT&T Services Inc.	512 Center St.	51,360	\$ 5,091.12

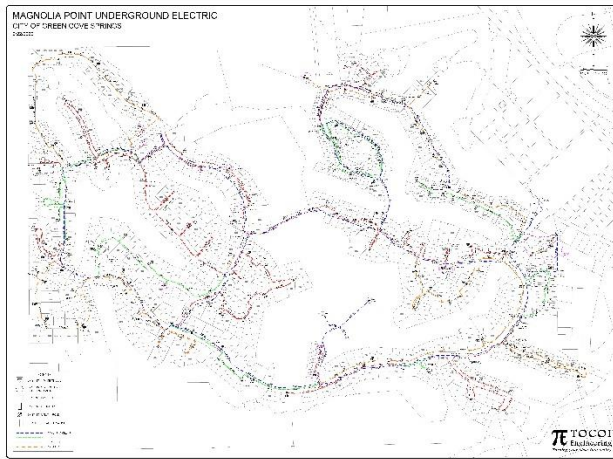
Electric Utility Department Capital Projects:

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.

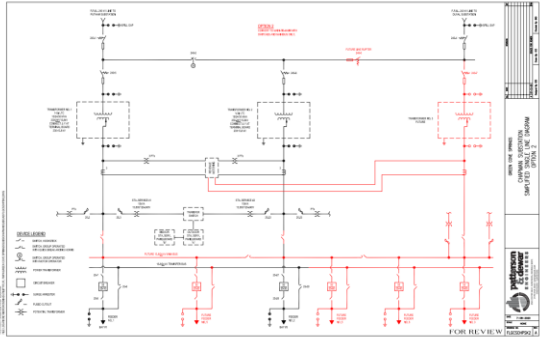
Magnolia Point Reconductor

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 has been received for phase I to arrive. Work is expected to start on October 11, 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 energized with load on it and we have started working on installing the new SCADA system on the older transformers. 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 is in its final stages and should be complete by end of October 2021 or beginning of November 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. Materials are ordered and we are awaiting their arrival.

