



ELECTRIC DEPARTMENT

Significant activities for the month of June 2023

- 19 Streetlights repaired
- 1 Barn light installed
- 1 Street light inspected
- 16 Poles removed
- 6 Voltage check
- 1 Service removed

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 came in.
- Inspect/locate ROW permits.
- Conduct warehouse inventory/order supplies.
- 885 Bulkhead Rd. replaced CTs, meter-cans and wires.
- Green Cove Ave. & Manthei Rd., south of right of way, removed 4 multi-helix anchors.
- 1729 Verdad St., moved secondary service to riser pole.
- 908 St Johns Ave., palm branch burning in primary lines was cleared.
- Green Cove Ave., & Vermont Ave., replaced flashed insulators.
- 1108 Walnut St., replaced service going across street to 1/0 triplex.
- 413 Robert Circle, installed triplex from transformer to clearance pole.
- 1318 North St., helped Water Dept., to hold a pole while they repaired a pipe.
- 965 Leonard C. Taylor Parkway, set 23 KV 500 KVA 3 phase pad mount transformer and pulled in 3 phase URD.
- 1099 N Orange Ave., inspected pole hit by a truck.
- 403 Harrison St., responded to a house fire.
- 3285 CR 209, installed 1 span of 1/0 triplex and ran new URD service up the pole.

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

- 06/10/2023 – Between 3:30 p.m. – 4:30 p.m., 1361 River Rd., blown transformer fuse by lightning, replaced fuse, 6 customers affected.
- 06/16-17/2023 – Between 6:30 p.m. – 2:00 a.m., 1254 Governors Creek ., tree came down and knocked pole down, 500 customers affected.
- 06/19/2023 – Between 7:00 p.m. – 9:30 p.m., 485 Olive Circle., during bad weather a branch fell and broke service, 1 customer affected.
- 06/19/2023 – Between 7:00 p.m. – 11:00 p.m., 1126 Reynolds Park., during lightning storm a fuse blew inside UG transformer, 30 customers affected.
- 06/20/2023 – Between 8:00 a.m. – 11:00 a.m., 4135 Hwy 17 ., replaced damaged transformer , 4 customers affected.
- 06/20/2023 – Between 4:00 a.m. – 7:00 a.m., Reynolds Park., transformer fuse blown, 30 customers affected.
- 06/22/2023 – Between 8:12 a.m. – 10:15 a.m., 501 St Johns Ave., replaced bad lightning arrester, 4 customer affected.
- 06/24/2023 – Between 2:30 a.m. – 4:45 p.m., 426 St Johns Ave., transformer fuse blown, 4 customers affected.
- 06/27/2023 – Between 8:00 a.m. – 9:30 a.m., 151 West St., removed broken tree from primary lateral, 50 customers affected.
- 06/27/2023 – Between 8:00 p.m. – 11:30 p.m., Idlewild St & Robert St., tree came down on service cable, 4 customers affected.
- 06/28/2023 – Between 7:00 a.m. – 4:45 p.m., 1434 Rosecrans Ln., tree came down on service cables, 2 customers affected.
- 06/30/2023 – Between 11:45 a.m. – 2:30 p.m., 2 Robert St., branch felt on service cable, 1 customer 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.	314,800	\$ 33,340.20
Winn Dixie Stores, Inc	3260 Hwy. 17 N.	260,000	\$ 26,634.00
St. Johns Landing	1408 N. Orange Ave.	219,710	\$ 25,975.78
BD Of County Commissioner	825 N. Orange Ave.	186,400	\$ 20,242.40
Kindred Health	801 Oak St.	170,000	\$ 18,087.00
Clay County Court House	825 N. Orange Ave.	143,680	\$ 14,906.48
Permabase Building Products	1767 Wildwood Rd	135,840	\$ 14,560.24
Tamko Roofing Products	914 Hall Park Rd.	129,760	\$ 15,638.96
BD Of Public Instruction	2025 State Road 16	114,000	\$ 14,725.00
City of Green Cove Springs	1277 Harbor Road	114,000	\$ 11,280.80
Coral Ridge Foods, Gc	1165 N Orange AVE	81,840	\$ 8,558.24
Governors Creek #436	803 Oak St.	80,000	\$ 8,996.00
Wen South LLC/Wendy's FL.	3266 Highway 17	76,720	\$ 8,643.12
VAC-CON	954 Hall Park Rd.	74,800	\$ 8,114.80
City of Green Cove Springs	Set Street Lights	66,392	\$ 8,045.43
Pegasus Technologies	932 Pilot Dr Hanger 3 & 4	64,920	\$ 7,202.12
Duval Asphalt Products, Inc.	1921 Jersey Ave	63,000	\$ 10,526.00
Direct TV/ AT&T Services, Inc.	512 Center St	61,760	\$ 6,431.76
BD Of County Commissioner	477 Houston St (dmv)	57,920	\$ 6,843.92
BD Of Public Instruction	801 Center St	53,920	\$ 6,357.52
BD Of Public Instruction	1 N Oakridge Ave	53,280	\$ 7,081.28
Race Trac Petroleum, Inc.	3106 Highway 17	51,120	\$ 5,388.72
Ammcon Corp.	1503 County Road 315 Ste 201	48,000	\$ 6,101.00
BD Of Public Instruction	Clay High School	46,800	\$ 6,185.60

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.

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.

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.



NOTES FOR MANHOLE LOCATIONS AND URG CONDUIT SPANS

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The City of Green Creek Springs will be installed with 20' PVC 24" diameter sewer pipe with 6" 45° elbows and 180° bends. The sewer pipe will be installed with 4" 45° elbows and 180° bends. The PP-FIBER S-100 will be installed with 4" 45° elbows and 180° bends. The City of Green Creek Springs will be installed with 20' PVC 24" diameter sewer pipe with 6" 45° elbows and 180° bends. The sewer pipe will be installed with 4" 45° elbows and 180° bends. The PP-FIBER S-100 will be installed with 4" 45° elbows and 180° bends. The City of Green Creek Springs will be installed with 20' PVC 24" diameter sewer pipe with 6" 45° elbows and 180° bends. The sewer pipe will be installed with 4" 45° elbows and 180° bends. The PP-FIBER S-100 will be installed with 4" 45° elbows and 180° bends.

BURIAL NOTES FOR UNDERGROUND BONE PEOPLE UNDER GOVERNORS CREEK

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North and South Substation Improvements

North and South substation sub-station upgrades have begun with directional bore designs completed to install URD 23KV feeds to substation transformers eliminating the possibility of catastrophic failure in the event of lightning or material failure which could cause conductor to fall into existing bus work.