



ELECTRIC DEPARTMENT

Significant activities for the month of January 2023

- 14 Streetlights repaired
- 2 Temporary meters installed
- 6 Meters inspected
- 15 Permanent meters installed
- 12 Meters removed
- 5 Meter replaced
- 1 Reverse solar meter installed
- 2 Solar meter replaced
- 1 solar meter installed
- 5 Poles replaced
- 22 Poles removed
- 4 Voltage checks
- 3 Utility verifications
- 1 Removed service for demolition

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.
- 9 Lewis St., removed wires off old service to house that was being demolished.
- Olive Circle & Vermont St., re-tied B-phase wires on pole.
- 3770 Randall Rd., inspected low hanging lines, they were AT&T and Comcast lines.
- 901 N Orange Ave., re-wire CTs for billing accuracy.
- Hwy 17, SR 16 & Martin L. King Jr. Blvd., removed Christmas lights.
- Citizen St. & Center St., installed PD camera.
- 1862 Colonial Dr., met T&M Electric to open transformers for streetlights.
- 1219 Clear Hall Ln, removed line guards.
- Houston St. & Calico Jack Way, re-fused capacitor bank.

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

1/02/2023 – Between 8:30 a.m. – 9:50 a.m., 1345 Blackmon Rd., re-fused transformer, 8 customers affected.

1/17/2023 – Between 9:20 a.m. – 2:00 p.m., 1693 Belfry Circle., changed out bad transformer, 25 customers affected.

1/17/2023 – Between 9:21 a.m. – 12:30 a.m., 1759 Colonial Dr., blown lateral fuse, replaced bad transformer, 15 customers affected.

1/23/2023 – Between 2:30 p.m. – 3:00 p.m., 1000 Pinewood Ct., cables were tag wrong, fixed tags; 12 customers affected.

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

<u>NAME</u>	<u>SERVICE ADDRESS</u>	<u>KWH</u>	<u>AMOUNT</u>
St. Johns Landing	1408 N. Orange Ave.	280,930	\$ 40,466.48
Winn Dixie Stores, Inc	3260 Hwy. 17 N.	203,200	\$ 27,564.40
Clay County Jail	901 N. Orange Ave.	172,320	\$ 23,298.64
Kindred Health	801 Oak St.	158,800	\$ 21,468.60
Permabase Building Products	1767 Wildwood Rd	135,680	\$ 18,576.56
Governors Creek #436	803 Oak St.	92,800	\$ 13,491.60
BD Of County Commissioner	825 N. Orange Ave.	86,080	\$ 11,780.56
Clay County Court House	825 N. Orange Ave.	85,600	\$ 12,972.20
City of Green Cove Springs	1277 Harbor Road	83,840	\$ 10,716.08
Tamko Roofing Products	914 Hall Park Rd.	76,800	\$ 11,823.60
BD Of Public Instruction	2025 State Road 16	70,600	\$ 11,727.20
Garber Realty/GMC	3340 Highway 17	69,760	\$ 10,564.72
City of Green Cove Springs	Set Street Lights	66,392	\$ 9,771.62
VAC-CON	954 Hall Park Rd.	49,200	\$ 7,642.40
Green Cove Springs Marina	Pier # 11 & 1	47,840	\$ 6,606.08
BD Of County Commissioner	477 Houston St (dmv)	46,720	\$ 6,753.84
Coral Ridge Foods	1165 N Orange Ave.	43,600	\$ 6,171.20
Direct TV/ATT Services, Inc.	512 Center St.	42,400	\$ 5,772.40
BD Of Public Instruction	801 Center St	41,600	\$ 6,318.00
BD Of Public Instruction	608 Mill St.	39,040	\$ 6,283.68
Wen South LLC/Wendy's FL.	3266 Highway 17	37,520	\$ 5,405.44
BD Of Public Instruction	1 N Oakridge Ave.	30,240	\$ 5,852.48
City Of Green Cove Springs	925 SR 16 East South WWTP	35,360	\$ 5,030.32
Hanson Pipe & Precast Inc.	4190 Highway 17 S	34,640	\$ 4,946.08

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 UFG CONDUIT SPANS

- [illegible]

The HP Class 3 poles will be installed near PF 1. The construction units on each pole shall be a VCEJL and DGR.

The PP-PB2, G2 Bellinger will be installed adjacent to G1 L.

The PP-PB2 Bellinger will be installed adjacent to G1 L.

One HP Class 3 pole will be installed near PF 2. The construction units on each pole shall be a VCEJL and GDS L.

One HP Class 3 pole will be installed near PF 3. The construction units on the pole shall be a VCEJL and DGR L.

The City of Green Cove Springs will determine the construction of each piece of equipment.

SURVEY NOTES FOR UNDERGROUND ROSE HANDLE UNDER GOVERNORS CARE

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| 1. REFER TO AND SUBMIT A SUPPORTING DOCUMENT TO: 10-11-11 | 5. ADVISE AND FILE |
| 2. SURVEY WAS COMPLETED IN THE FIELD ON OCTOBER 29, 2016 | 6. HYPOTHESIS |
| 3. HYPOTHESIS IS BASED ON RESEARCHED TO DETERMINE THAT PLANT GROWTH IS LIMITED BY AVAILABLE NUTRIENTS IN THE SOIL. THIS WAS DETERMINED BY A LITERATURE REVIEW OF PLANT GROWTH RESEARCH. RESEARCHED TO DETERMINE THAT PLANT GROWTH IS LIMITED BY AVAILABLE NUTRIENTS IN THE SOIL. THIS WAS DETERMINED BY A LITERATURE REVIEW OF PLANT GROWTH RESEARCH. | 7. SURVEY RESULTS |
| 4. IDENTICAL SETUPS IN RESEARCHED TO DETERMINE THAT PLANT GROWTH IS LIMITED BY AVAILABLE NUTRIENTS IN THE SOIL. THIS WAS DETERMINED BY A LITERATURE REVIEW OF PLANT GROWTH RESEARCH. | 8. CONCLUSIONS |
| 5. IDENTICAL SETUPS IN RESEARCHED TO DETERMINE THAT PLANT GROWTH IS LIMITED BY AVAILABLE NUTRIENTS IN THE SOIL. THIS WAS DETERMINED BY A LITERATURE REVIEW OF PLANT GROWTH RESEARCH. | 9. RECOMMENDATIONS |
| 6. IDENTICAL SETUPS IN RESEARCHED TO DETERMINE THAT PLANT GROWTH IS LIMITED BY AVAILABLE NUTRIENTS IN THE SOIL. THIS WAS DETERMINED BY A LITERATURE REVIEW OF PLANT GROWTH RESEARCH. | 10. REFERENCES |

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.