



***AMENDED AGENDA**
FERNANDINA BEACH CITY COMMISSION
WORKSHOP
NOVEMBER 16, 2021
5:00 PM
CITY HALL COMMISSION CHAMBERS
204 ASH STREET
FERNANDINA BEACH, FL 32034

1. CALL TO ORDER

2. ROLL CALL

3. DISCUSSION

3.1 **WATERFRONT SURVEY** - *This item is placed on the agenda for the purpose of developing waterfront survey questions.*

3.2 ***TAMPA ELECTRIC COMPANY (TECO) ELECTRIC STREET LIGHTING** - *This item is placed on the agenda at the request of Vice Mayor Kreger.*

4. ADJOURNMENT

ANY PERSON WISHING TO APPEAL ANY DECISION MADE BY THE COMMISSION WITH RESPECT TO ANY MATTER CONSIDERED AT SUCH MEETING OR HEARING WILL NEED A RECORD OF THE PROCEEDINGS, AND, FOR SUCH PURPOSES, MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS MADE. AT THE DISCRETION OF THE MAYOR, A RECESS MAY BE SCHEDULED EVERY NINETY MINUTES.

Persons with disabilities requiring accommodations in order to participate should contact the City Clerk at (904) 310-3115 or TTY/TDD 711 (for the hearing or speech impaired).

CITY COMMISSION AGENDA ITEM
City of Fernandina Beach



SUBJECT: Waterfront Survey Questions

ITEM TYPE: Discussion

REQUESTED ACTION: The City Commission will discuss developing waterfront survey questions.

SYNOPSIS: The City Commission, at their September 7, 2021, Regular Meeting, approved Resolution 2021-142 authorizing Polco National Research Center (NRC) for public engagement through a civic surveying and engagement platform. This discussion item will provide Commissioners an opportunity to craft/develop waterfront survey questions which will be submitted to Polco NRC for public dissemination.

FISCAL IMPACT:

CITY ATTORNEY COMMENTS: No additional comments.

CITY MANAGER RECOMMENDATION(S): No additional comments.

Caroline Best, City Clerk

Dale Martin, City Manager 1/1/1900

Date: October 22, 2021

Submitted By: Monica Benischek, Administrative Services Manager

COMMISSION ACTION:

Waterfront Park Survey

Use these example photos to answer the question below.



Which look/feel of a bandshell do you prefer?

☐ A

☐ B

☐ c

☐ Prefer not to have a bandshell.

Use these example photos to answer the question below. Please note: you are voting on the size/shape of the building, not the business pictured.



Which look/feel of a 3,000 square foot commercial space do you prefer?

☐ A

☐ B

☐ c

☐ Prefer not to have commercial space.

Use these example photos to answer the question below.



Which look/feed of the lawn/boardwalk do you prefer?

☐ A.

☐ B.

☐ C.



SOUTH EVENT LAWN

On the south end, the **Riverwalk continues with the resiliency barrier**, which also functions as a seat wall to enjoy views of the water.

Adjacent to the wall, the greenspace opens into a **sculpted, earthen berm**. A new arcing pathway ascends this mound to an **elevated overlook plaza** for even higher, more dramatic views of the river. The Shrimping Monument is also placed at this overlook, adjacent to the water.

This plaza also provides additional seating for the **overall lawn / bowl**, which is oriented for the **southern bandshell**. This orientation keeps the music and sound from the bandshell moving northwest, towards the river, as opposed to moving towards the neighborhoods and commercial center of town. The bandshell also has **restrooms** incorporated on the back portion of the stage.

Other elements to the south event lawn include **petanque courts** (expanded to include 16 permanent courts, along with the ability to have overflow in the gravel parking area), an **informal play area** for children (with boulders, wooden elements, and other "real" textures), and two **potential retail sites** for a ship's store and the like.



CITY COMMISSION AGENDA ITEM
City of Fernandina Beach



SUBJECT:

ITEM TYPE: Discussion

REQUESTED ACTION: This item is placed on the agenda at the request of Vice Mayor Kreger.

SYNOPSIS:

FISCAL IMPACT:

CITY ATTORNEY COMMENTS:

CITY MANAGER RECOMMENDATION(S):

Caroline Best, City Clerk

Monica Benischeck, Administrative Services Manager

Dale Martin, City Manager



Date: November 10, 2021

Submitted By: Caroline Best, City Clerk

COMMISSION ACTION:

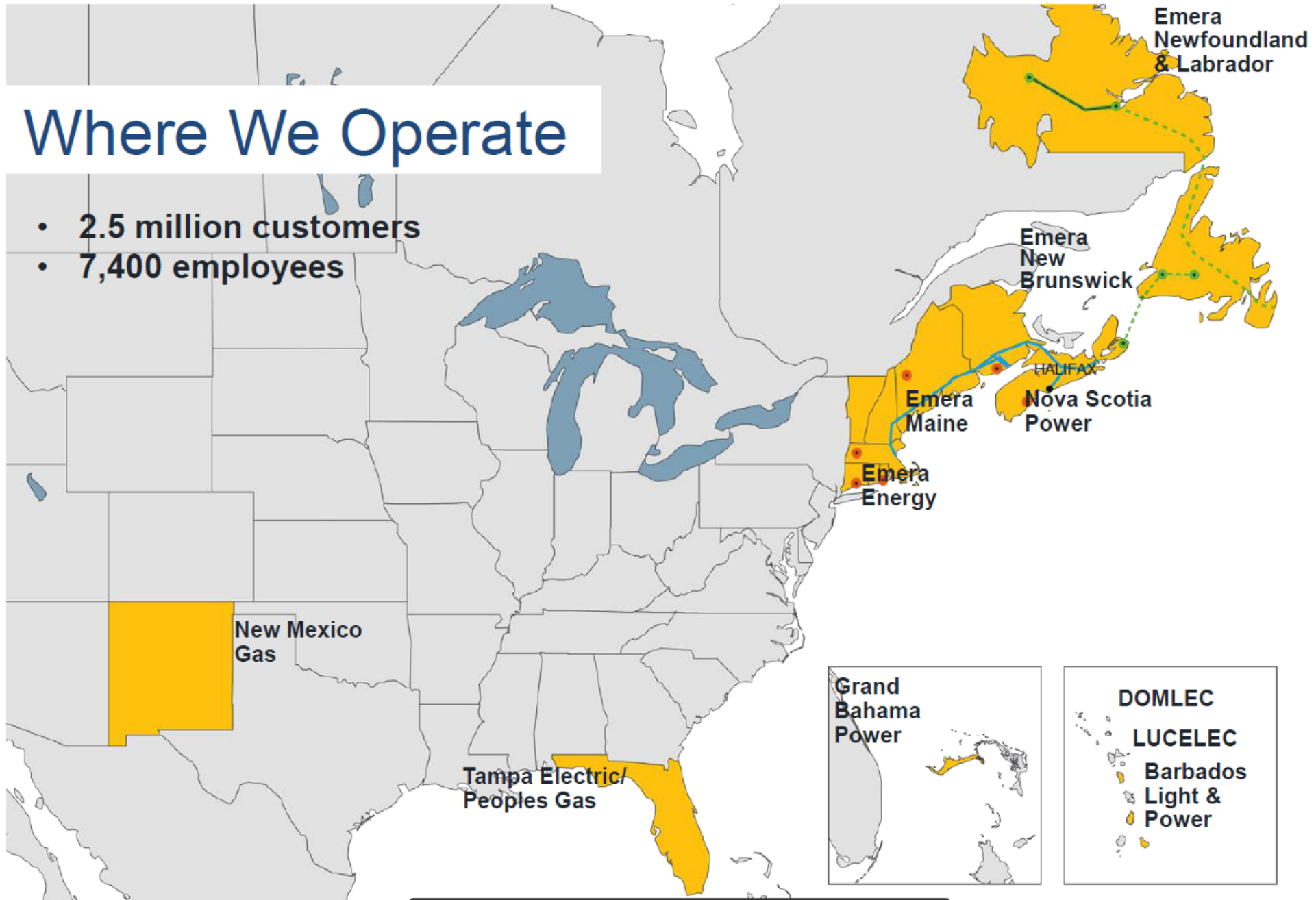
Tampa Electric Lighting: City of Fernandina Beach



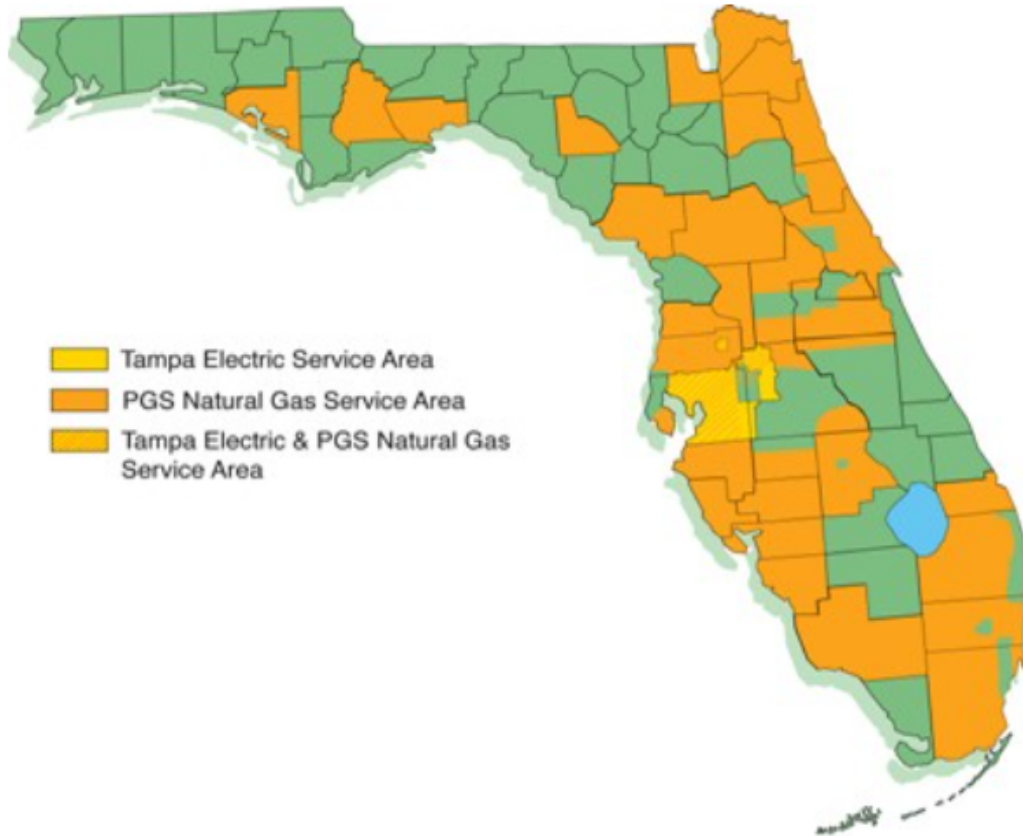


Where We Operate

- 2.5 million customers
- 7,400 employees

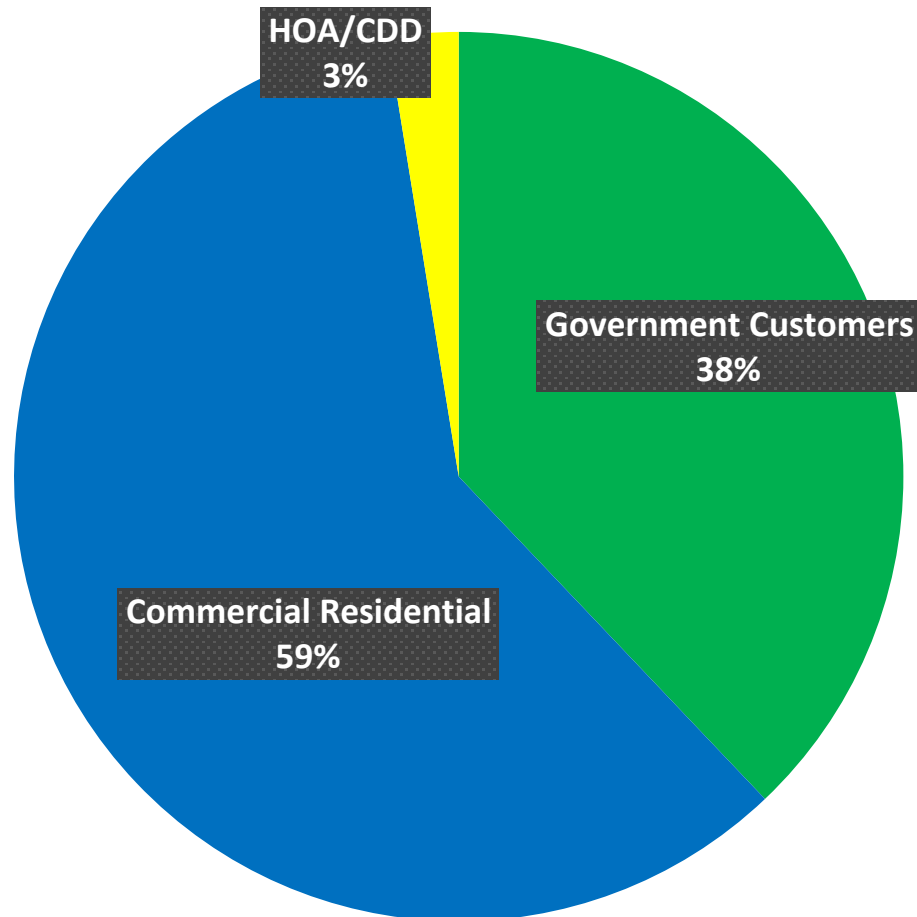


Tampa Electric and Peoples Gas in Florida



- Founded in **1899**
- **3rd** Largest Electric Service Provider in Florida
- Largest Provider of Natural Gas in Florida
- Regulated by the Florida Public Service Commission
- Serves **~2,000** square miles and **~1.2M** customers
- Own and Operate **~240,000** Street and Area Lights
- Execution one of the **top 10 largest** LED conversion in the nation.

TECO Lighting Customers



Purpose of Lighting:

- Roadway Safety
- Crime Prevention
- Aesthetics & Smart Services

TEC Lighting Stats:

- ~242,000 Lights
- ~363,000 Billed Lighting Assets
- ~28% non-LED footprint

Top Customer Demands of Service:

- 1) Reliability and Restoration Response
- 2) Customer Experience
- 3) Cost of Service
- 4) Next Generation
Functionality/Smart Services

Tampa Bay LED Conversion

42%

Fewer outages (2020 vs 2016)

68%

Response improvement (2020 vs 2016)

\$0.46

Monthly reduction in average customer rate through program

\$1.1M

Annual Energy Reduction.
~121M kWh/yr. or 85k metric tons of GHG

\$2.6M

Annual O&M reduction compared to 2017

0/0

Zero vehicular incidents and Zero injuries performing this work

210k

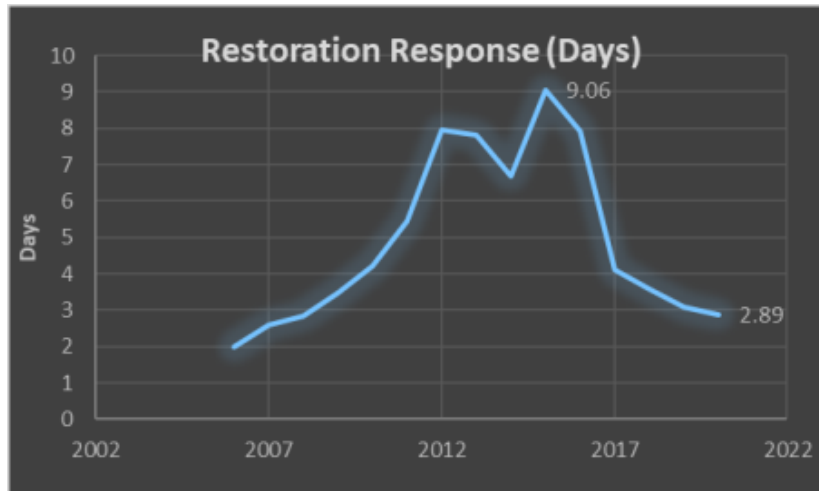
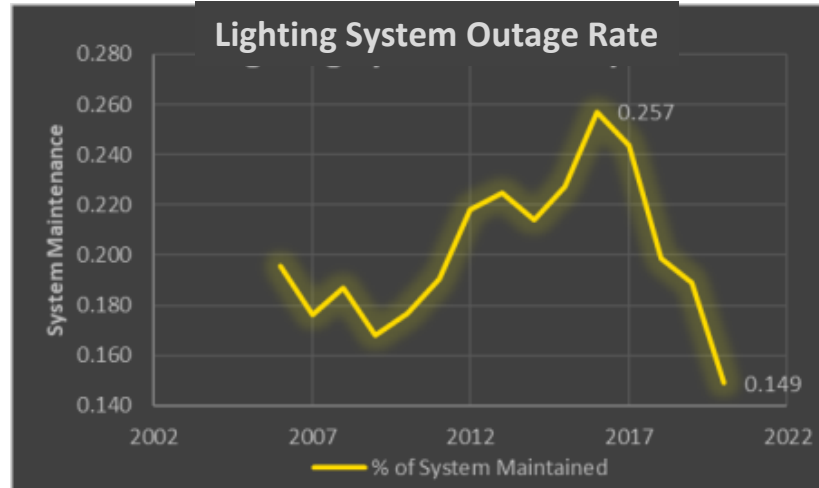
Number of HID lights converted to smart LED since 2018

Back-office efficiencies

Long-term Sustainability

Foundation for smart services

Outage Response, Reliability, and O&M Costs



Reported Outages

2020 = ~35,000 (F)
 2019 = 43,875
 2018 = 45,145
 2017 = 54,300
 2016 = 56,613
 2015 = 48,905

O&M by Year

2020 = ~\$1.1M (F)*
 2019 = ~\$1.1M*
 2018 = ~\$1.2M
 2017 = ~\$3.8M
 2016 = ~\$2.7M
 2015 = ~\$2.1M

Post Project Expectation

2022 = 27,000 2022 = ~\$1.9M

Key Conclusions

- LED improving reliability
- Less costly to achieve target restoration response

TECO LIGHTING

WHY IS TECO TALKING TO ME?

TECO is taking this mission beyond our borders to the greater State of Florida.
We are very good at what we do!

WE

- believe in safe streets and safe neighborhoods!
- are committed to the environment and improving our communities!
- are committed to cost effective solutions!

TECO LIGHTING

WHY IS TECO TALKING TO ME?

WE

Deliver lighting solutions that:

- Enhance night-time visibility on roadways
- Support safer communities and deter crime.
- Reduce / eliminate energy requirements for lights
- Better light quality & fewer outages.
- Support GHG / carbon reduction goals
- Support favorable optics
- Can deliver more value to municipal functions via Smart Cities.
- Produce real financial savings immediately

TEC has the **expertise, credibility, and project cost advantages**

Expertise in smart LED conversion, operation and maintenance.

TEC's smart LED upgrade project is one of the **10 largest** by number of streetlights in the U.S.

Proven results across a 210,000 luminaire LED conversion project:

- ✓ Energy Savings and O&M Reductions
- ✓ Enhanced safety and security
- ✓ Foundation for smart services

\$2.6M Annual O&M Reduction	42% Fewer Outages	\$1.1M Annual Energy Reduction (~121M kWh/yr)
85,000 metric tons Annual GHG Reduction	Foundation for Smart City Services	68% Improvement in Response Times
Zero Injuries and Vehicles Incidents	High Customer Satisfaction	Best-in-Class Partnerships

Credibility as a long term-partner.

- Partnerships with best-in-class technology & OEM providers
- Proven service provider
- Financial stability

Low project costs from buying power, low-cost capital, and use of existing systems.

- Reduced costs to commission a new head-end for smart lighting
- Bulk discount on material units
- Volume discount on labor units

Voice of the Customer tells the story of our success.

- "Going really well...We look forward to accessing [Smart Lighting]" - **City of Tampa**
- "It's going well" - **Hillsborough County**
- "We've switched most of our lighting with TECO ... It's really nice." - **Hillsborough Community College**

PRIMARY SERVICES

- LED Conversion Service

Optional Services:

- Maintenance
- Monitoring
- Provisioning
- Smart Cities

PRODUCTS

- LED Lighting
- Smart LED Lighting
- Solar Lighting

MARKETS

- Municipal Street and Area Lighting
- Commercial & Industrial Lighting
- Sports Lighting
- Homeowner's Associations

TECO LIGHTING TEAM

Question and Answer Session

TECO LIGHTING TEAM CONTACTS

❖ Art Bosshart

Cell Phone: (813) 309-2740
adbosshart@tecoenergy.com

❖ James Hardiman

Cell Phone: (904) 627-8329
Jhardiman@tecoenergy.com

❖ Steve Lowe

Cell Phone: (317) 294-6626
Slowe@tecoenergy.com