



# Rating Agency Presentation

*Fiscal Year 2020*



*February 2021*

# ELECTRIC SYSTEM FY2020 HIGHLIGHTS

## Maintained excellent financial and operational metrics.

- Improving balance sheet with system debt at a 35-year low
- Continued excellent distribution system reliability

FitchRatings

**Capital program includes \$980 million of projects over the next five years without the need to issue new debt**

**Repaid \$235 million of debt in FY2020 for a total reduction of \$2.3 billion since 2009 with a continued commitment to accelerate deleveraging**

MOODY'S

- Debt defeasance of \$48 million in October 2019
- Accelerating nearly all principal due before 2026, resulting in debt service coverage of at least 4x and fixed charge coverage of 2x when Vogtle comes online
- Plan to use remaining St. Johns River Power Park funds in FY2021 to defease approximately \$100 million of the remaining \$252 million of Issue Three bonds

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S&P Global  
Ratings

**Rates are currently at the median in the state**

**Strong Financial Performance and  
Well-Positioned to Take on Future Challenges**

# WATER & WASTEWATER SYSTEM FY2020 HIGHLIGHTS

## Maintained excellent financial and operational metrics

- Debt to asset ratio of 41% is the lowest since FY2000
- Commitment to investing in infrastructure ensures reliable operation
- Historically low nitrogen discharge at 299 tons versus a permit limit of 683 tons

FitchRatings

**Capital program of \$1.5 billion capital program over the next five years, primarily cash funded**

**Repaid \$126 million of debt in FY2020 for a total reduction of \$803 million since 2011 with a debt ratio approaching the 40 percent level**

- Debt defeasance of \$45 million in October 2019
- Strong balance sheet and ample liquidity
- Superior debt service coverage expected to be 2.6x to 5.4x over the next five years

MOODY'S

**Rates are currently lower than the median in the state**

S&P Global  
Ratings

**Strong Financial Performance and  
Well-Positioned to Take on Future Challenges**

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# INTRODUCTION



# JEA BOARD OF DIRECTORS

**JEA has been a municipal electric system since 1895 and independent agency of the City of Jacksonville, Florida since 1968**

**JEA has a seven member Board, with four members appointed by the City Council President and three members by the Mayor, all confirmed by City Council**

- Primary responsibilities are policy, strategy, and rate making
- Comprised of business people, professionals, and community leaders

**Finance and Audit Committee oversees financial policy, financial reporting, auditing, budgeting, and enterprise risk management**



**John D. Baker**  
Executive Chairman & CEO,  
FRP Holdings, Inc.

**TERM**  
through  
2/28/24



**Joseph DiSalvo**  
Lieutenant General,  
US Army, Retired

**TERM**  
through  
2/28/22



**Dr. Zachary Faison, Jr.**  
President & CEO,  
Edwards Waters College

**TERM**  
through  
2/28/22



**Leon L. Haley Jr., MD**  
Chief Executive Officer,  
UF Health Jacksonville

**TERM**  
Through  
2/28/24



**Marty Lanahan**  
Regional President - Executive Vice  
President for IBERIABANK- First Horizon

**TERM**  
through  
2/28/23



**Robert Stein**  
President,  
The Regency Group

**TERM**  
through  
2/28/21



**Tom VanOsdol**  
President & CEO,  
Ascension Florida

**TERM**  
through  
2/28/23



# GOVERNANCE AND SENIOR LEADERSHIP UPDATE

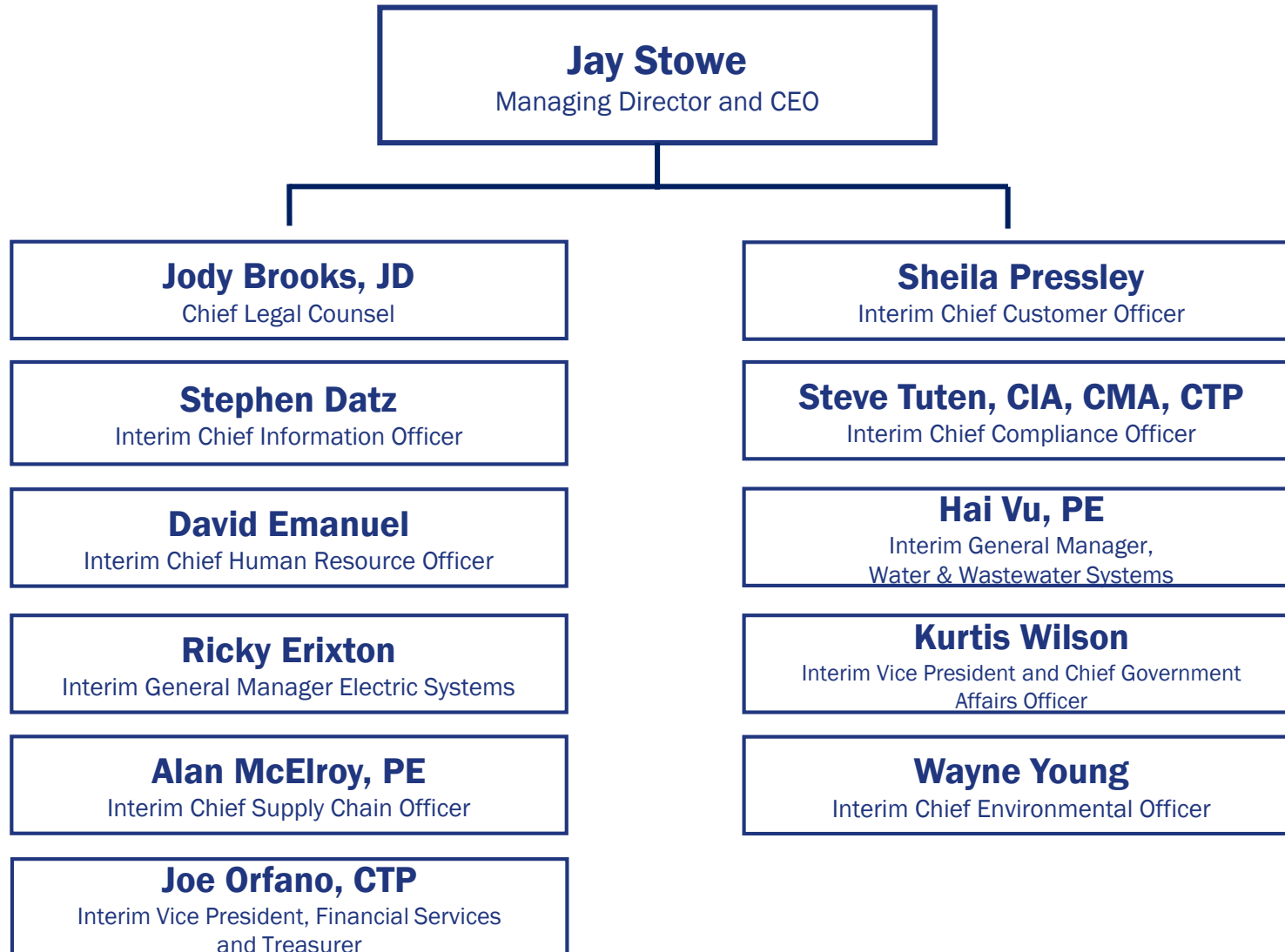
## **JEA Board and Interim Senior Leadership Team worked collaboratively with City Council on a Rewrite to Article 21 of the City of Jacksonville Charter**

- Board appointed Paul McElroy as Interim Managing Director and CEO in May 2020
- Charter changes were approved by City Council in December 2020
  - Additional Charter protections for attempts to sell, privatize or reorganize JEA without the approval of Council
  - Increases transparency in the JEA procurement process, executive contracts and Board appointments

## **JEA Board selected Jay Stowe as JEA's Managing Director and CEO in November 2020**

- Jay Stowe most recently served as CEO of Stowe Utility Group LLC in Chattanooga
- Prior to that, he served as Senior Vice President at Tennessee Valley Authority and as Vice President of Operations and President and CEO of Huntsville Utilities
- Mr. Stowe's five-year employment agreement commenced in November 2020 and he is currently in the process of assembling the JEA Senior Leadership Team

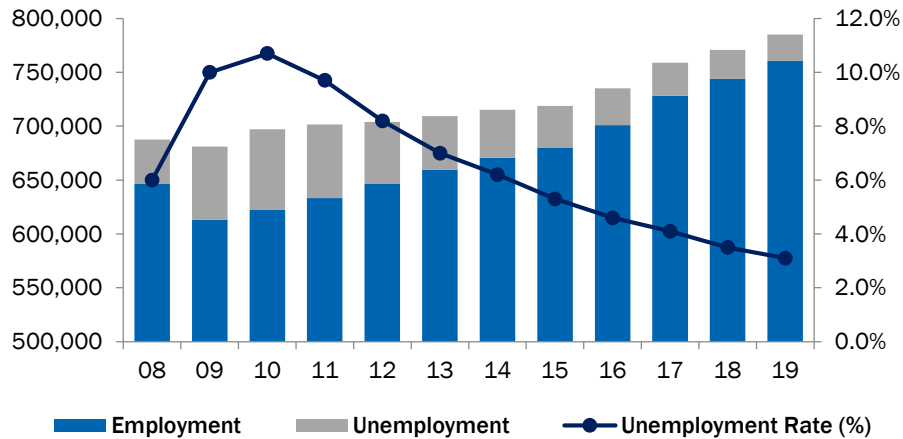
# JEA SENIOR LEADERSHIP TEAM





# ECONOMIC SNAPSHOT

## Employment & Unemployment



Source: Bureau of Labor and Statistics Unemployment Rates for Metropolitan Areas, Not Seasonally Adjusted -

## Median Household Income

Florida's median household income has increased 6.8% year over year.

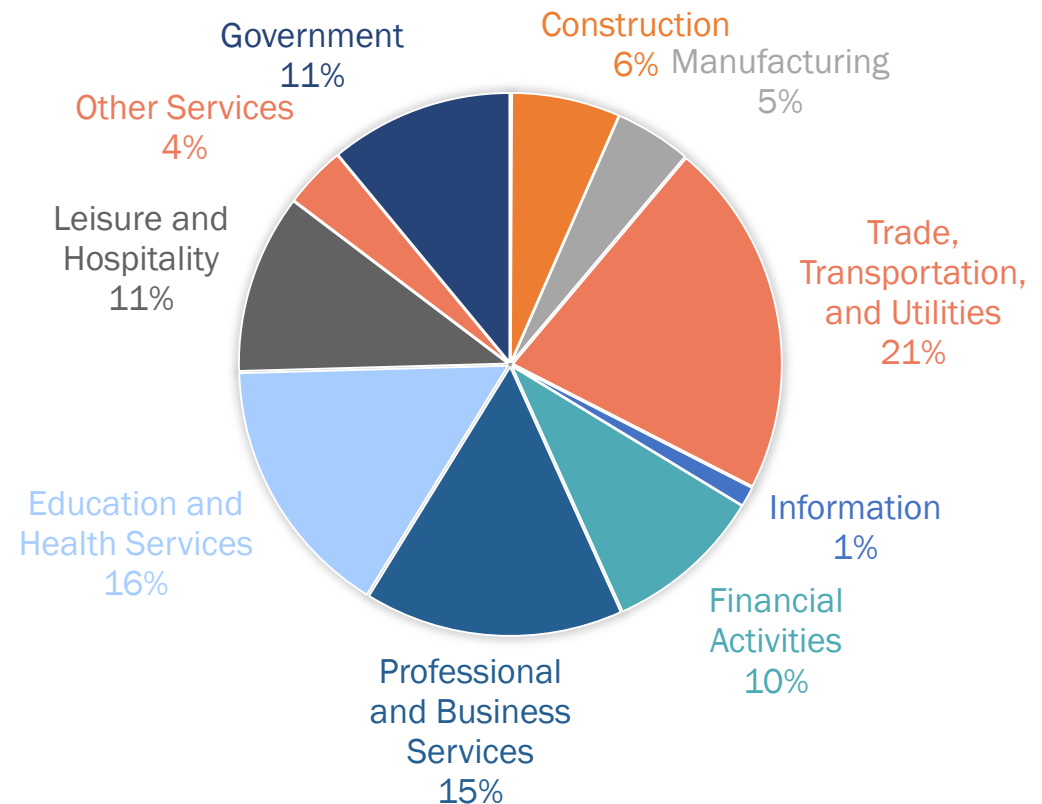


Duval County median household income has increased 4.6% year over year.



Source: U.S. Census Bureau, "2015-2019 American Community Survey 5-Year Estimates"  
Median household income in the past 12 months (in 2019 inflation-adjusted dollars)

## The local economy is made up of a diverse mix of industries:



Source: Bureau of Labor Statistics "Florida Nonagricultural Employment - Most Recent 12-Months"  
December 2019 through November 2020  
November data is preliminary

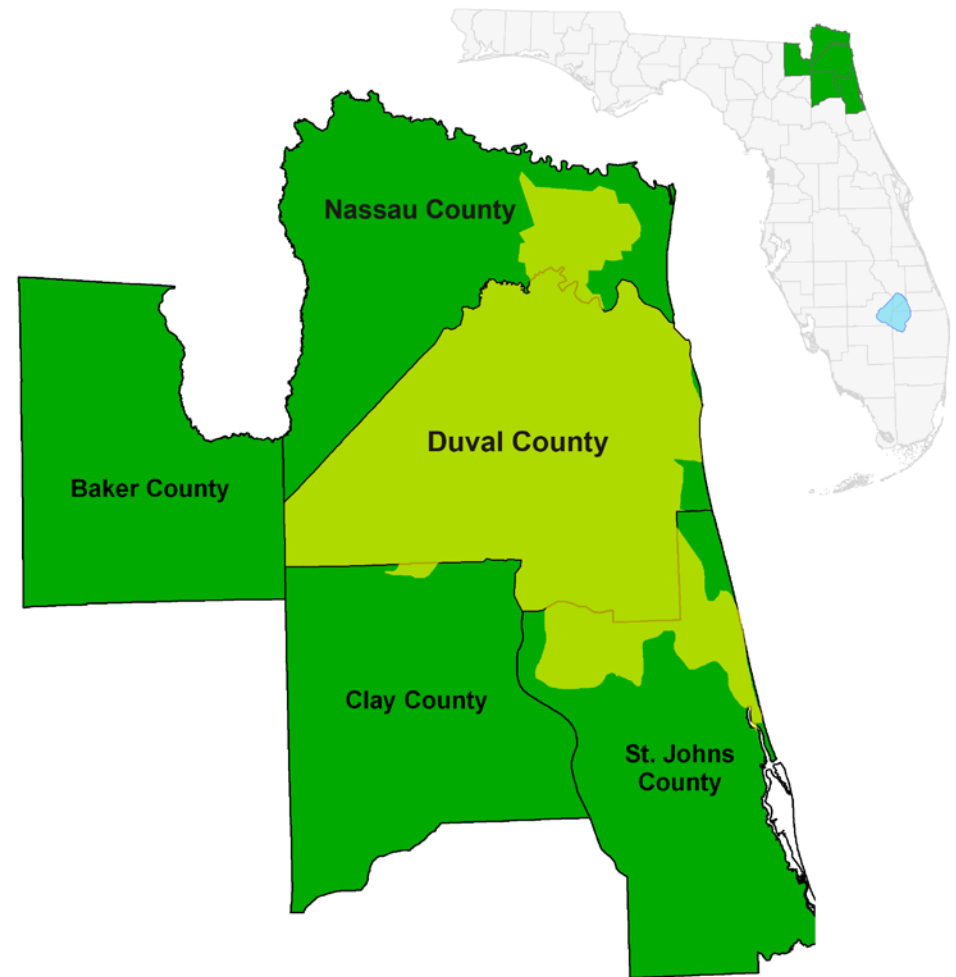
# JEA SERVICE TERRITORY

**Located in Jacksonville, Florida, our service territory includes the entire Jacksonville Metropolitan Statistical Area (MSA) which has an estimated population of 1.6 million <sup>1</sup>**

**The Jacksonville MSA saw a 15.6% increase in population from April 1, 2010 to July 1, 2019 <sup>1</sup>**

**JEA's service territory also includes 97,000 electric, water and reclaimed meters in neighboring St. Johns, Nassau and Clay Counties**

**JEA FY2020 growth of 10,000 electric and 8,000 water meters**



<sup>1</sup> U.S. Census Bureau, Population Division  
Annual Estimates of the Resident Population as of July 1, 2019



# FINANCIALS

FY2020 RESULTS

FY2021 – FY2025  
PROJECTIONS



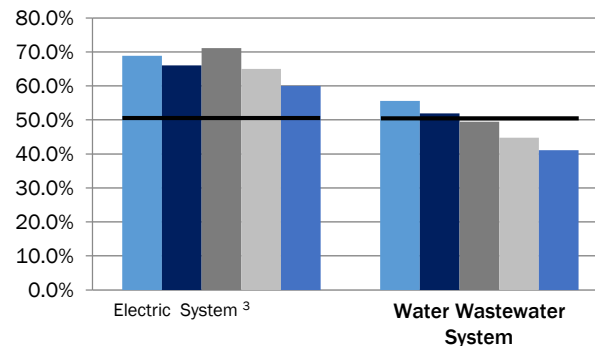
# HISTORICAL FINANCIAL METRICS

## FY2016 – FY2020 RESULTS

### FY2020 RESULTS DEMONSTRATE STRONG PERFORMANCE ACROSS ALL KEY FINANCIAL METRICS

- Debt to Asset % continues to improve and approach/drop below long-term internal targets
- FY2020 Debt Service Coverage remains strong and provides financial flexibility to respond to industry challenges
- Days Liquidity and Days Cash metrics continue to be strong and provide the ability to invest in infrastructure in both systems without new debt

#### Debt to Asset % <sup>1</sup>

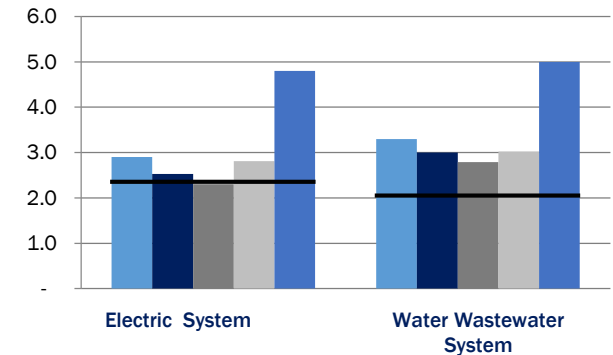


<sup>1</sup> Net Funded Debt; metrics re-cast to reflect change in methodology as of 2018

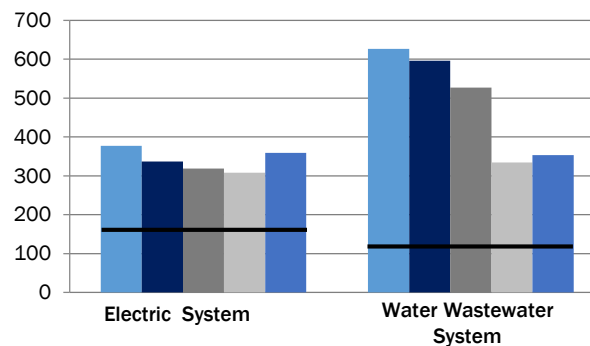
<sup>2</sup> Impact of SJRPP shutdown

<sup>3</sup> Includes Electric System, Scherer and SJRPP

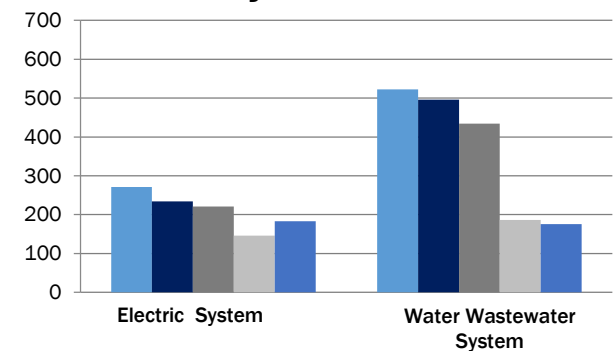
#### Debt Service Coverage



#### Days Liquidity



#### Days Cash

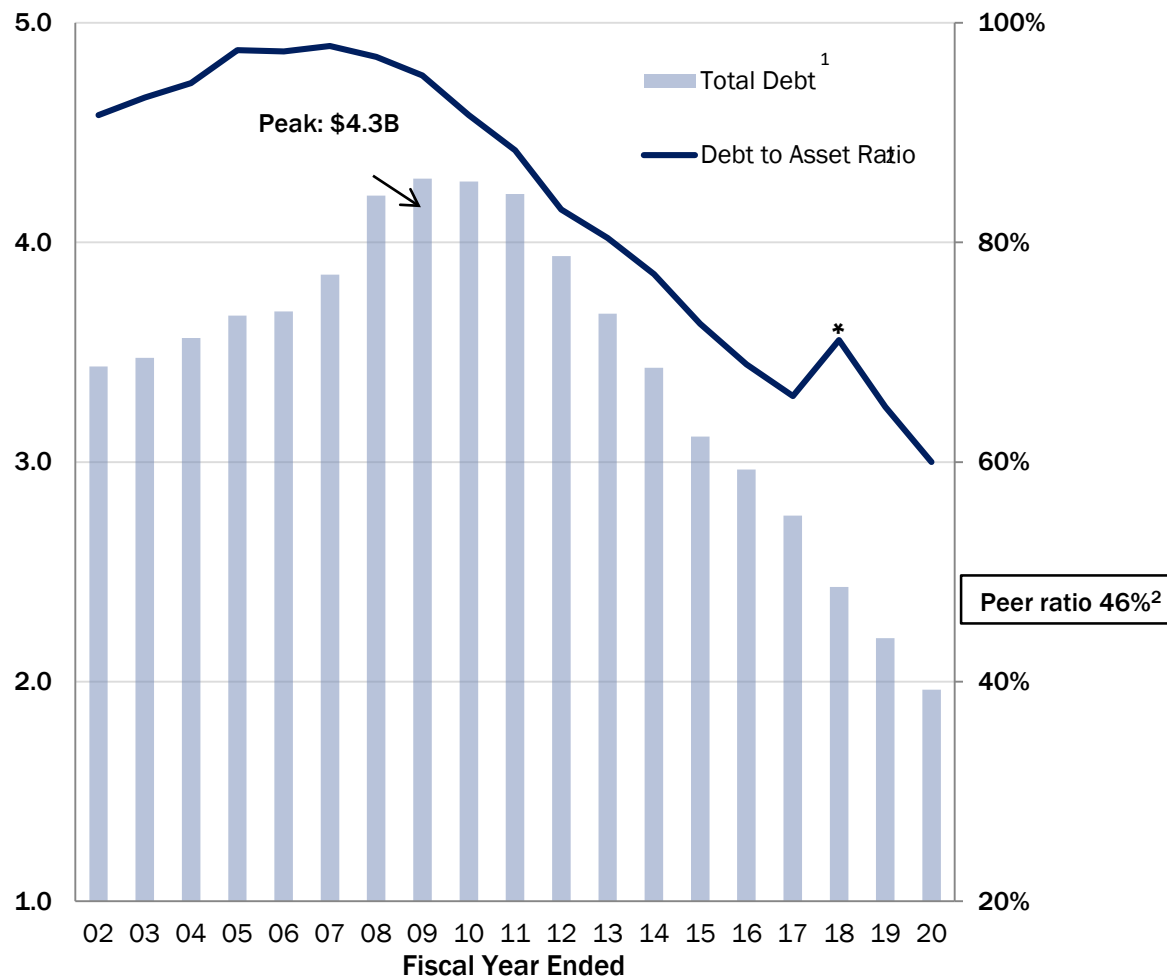


2016 2017 2018 2019 2020

— Long Term targets per JEA pricing policy



# ELECTRIC SYSTEM DEBT MANAGEMENT

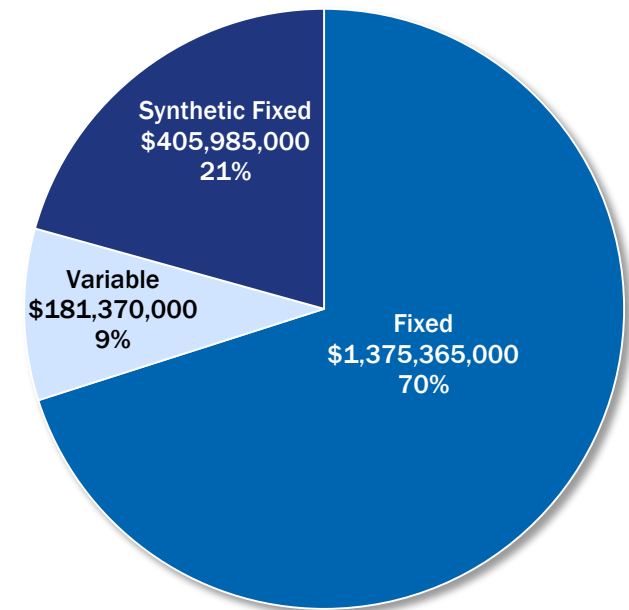


<sup>1</sup> Includes Electric System, Scherer, and SJRPP

<sup>2</sup> Per Moody's Sector In-Depth Report "Public Power Utilities – US Medians: Stability amid low new debt issuance and carbon transition," Sep 2019

\* Increase in Debt to Asset Ratio in FY18 due to SJRPP retirement

## Debt Composition as of September 30, 2020



- Over \$2.3 billion reduction in debt since peak
- Variable rate exposure reduced from 20% in 2008 to 9% in 2020
- Intend to reduce unhedged variable rate debt exposure to 6% in FY2021

# ELECTRIC SYSTEM FY2020 FINANCIAL RESULTS

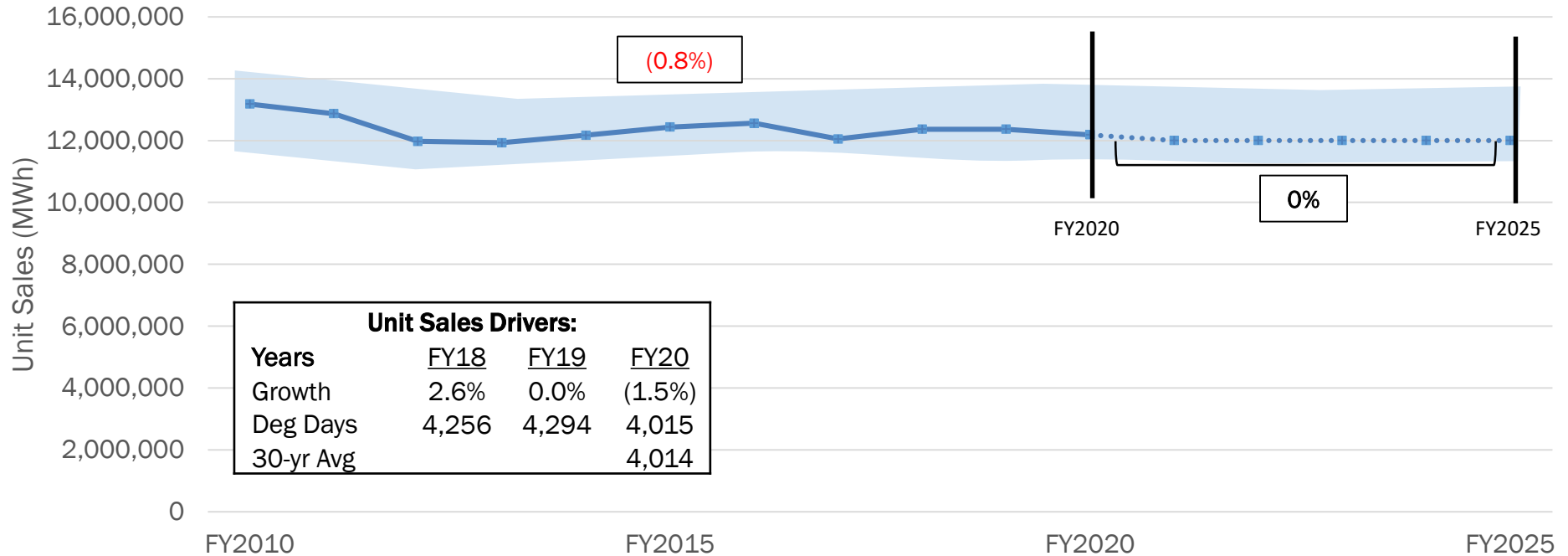


- 4.8x combined debt service coverage
- Days of cash on hand: 183 days
- Days of liquidity: 359 days
- Total debt reduction(1)(2): \$235 million
- Debt to asset ratio(1): 60.0%
- Debt to capitalization(1): 55.8%
- Capital expenditures: \$194 million
- System MWh sales decrease: (1.5%)
- Base revenue decrease: (0.9%)

<sup>1</sup> Includes Electric System, Scherer, and SJRPP  
<sup>2</sup> STAR Plan Phase 2 completed in October 2019

# ELECTRIC SYSTEM UNIT SALES

## Unit Sales in MWh

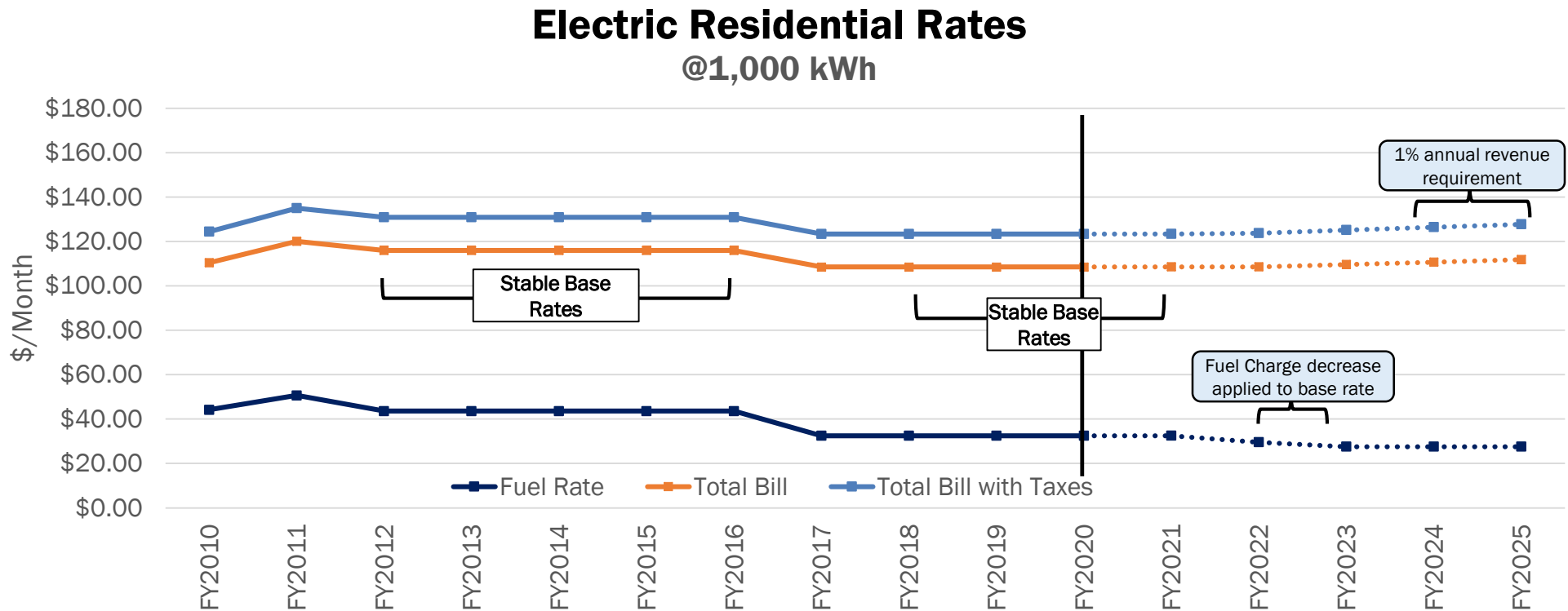


## Electric System

- Historically the electric system experienced -0.8% annualized unit sales growth from 2010 -2020<sup>1</sup>
- For financial planning purposes, system unit sales growth is 0% from FY2021 to FY2025

<sup>1</sup> Includes impact of expiration of sales for resale – territorial contract with FPU

# ELECTRIC SYSTEM RESIDENTIAL CUSTOMER RATES



## Electric System

- Total JEA rate/bill has been stable or lower since Oct 1, 2010
- FY22 offsetting Fuel/Base adjustment supported by projected fuel expenses lower than the current \$32.50/MWh rate due to lower commodity costs and incorporating nuclear and solar and FPL Power Purchase Agreements
- Annual revenue requirement of approximately 1% in FY23 – FY25

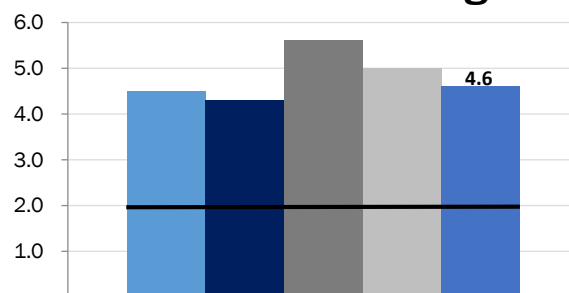


# ELECTRIC SYSTEM FINANCIAL PROJECTIONS

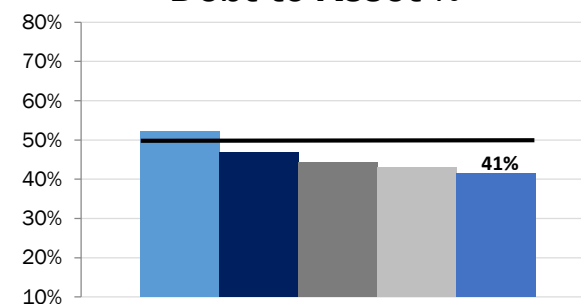
Debt to Asset ratio at 41% in 2025 • \$1.0 billion capital plan FY21 – FY25

- Strong Debt Service Coverage metrics result of prior accelerated debt repayments. Near-term opportunity to refinance debt for additional savings
- Debt to Asset % under internal policy targets
- Plan to use remaining funds at SJRPP, after decommissioning in FY 21, to repay all outstanding Issue three debt beyond 2030 – projected NPV interest savings ~ \$44 million

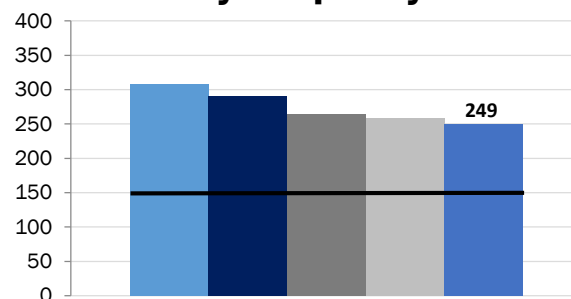
## Debt Service Coverage



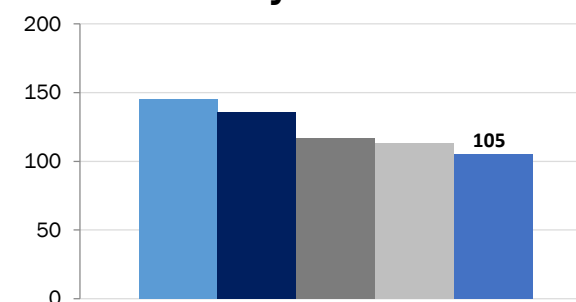
## Debt to Asset % <sup>1</sup>



## Days Liquidity



## Days Cash



2021 2022 2023 2024 2025 — Long Term targets per JEA pricing policy

<sup>1</sup> Includes Electric System, Scherer and SJRPP

# CAPITAL NEEDS AND FUNDING SOURCES

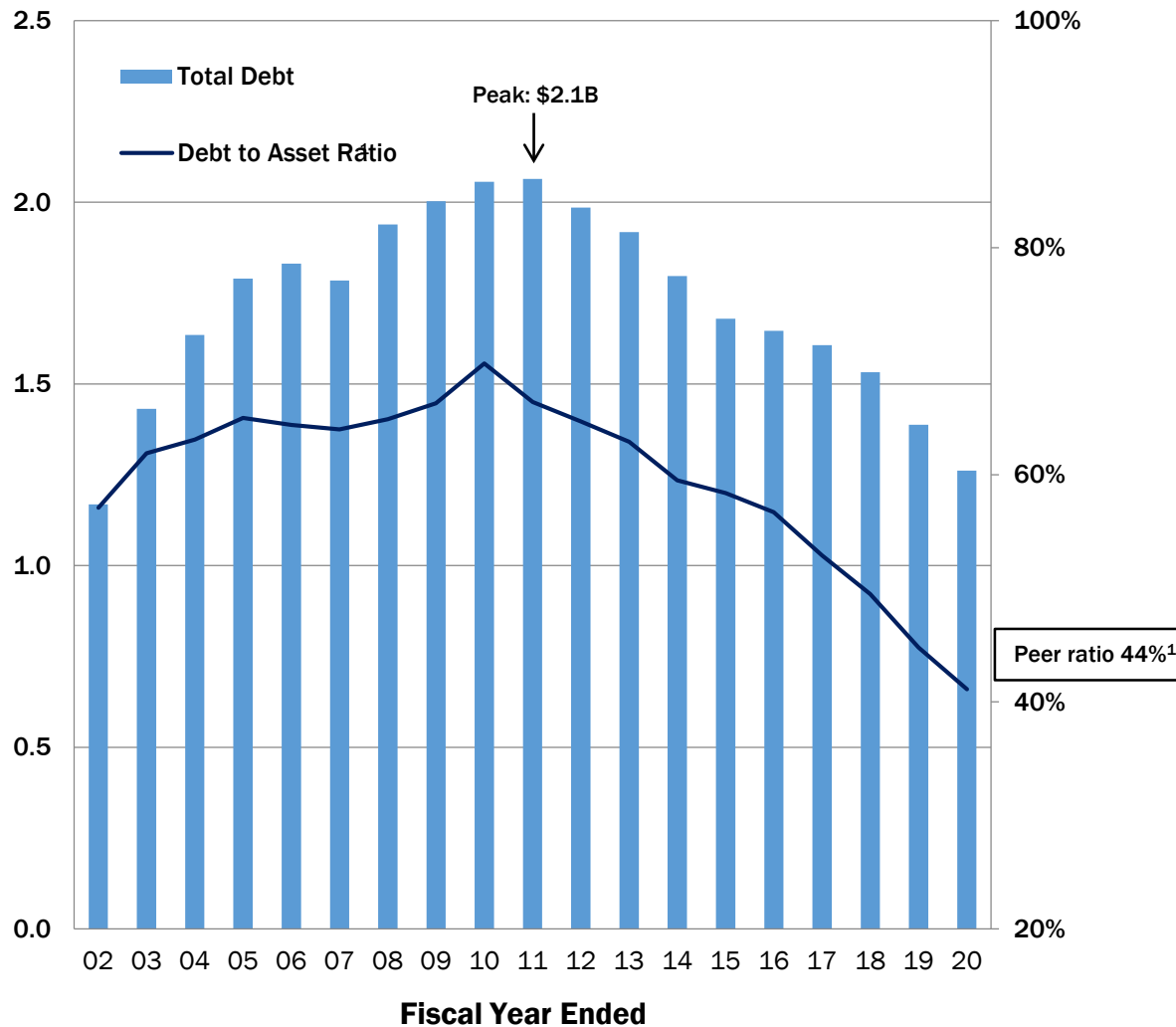
**JEA has streamlined its capital plan centered on renewal and replacement, while preparing for additional capital needs including future generation beginning in FY2026**

Electric System (\$000s)	Actual	2021	2022	2023	2024	2025	2021-2025 Average
	2020						
Internally Generated Funds Available for Capital	\$268,347	\$269,044	\$211,366	\$180,065	\$186,070	\$178,940	
Early Debt Retirement	(\$18,637)	(\$100,000)		(\$41,000)			
Capital Fund Deposits (Withdrawals)	\$55,679	(\$27,956)	(\$2,390)	(\$45,498)	(\$5,547)	(\$14,868)	
Debt Financing	\$0	\$0	\$0	\$0	\$0	\$0	
<b>Capital Plan Spend</b>	<b>\$194,031</b>	<b>\$197,000</b>	<b>\$213,756</b>	<b>\$184,563</b>	<b>\$191,617</b>	<b>\$193,808</b>	<b>\$196,149</b>
<b>Capital Fund Balance <sup>1</sup></b>	<b>\$137,643</b>	<b>\$109,687</b>	<b>\$107,297</b>	<b>\$61,799</b>	<b>\$56,252</b>	<b>\$41,384</b>	

- St. Johns River Power Park outstanding debt of \$252 million will be reduced by \$100 million in mid 2021 upon the completion of site remediation
- Scherer outstanding debt of \$75 million will be retired in late 2021 upon FPL rate order and JEA's receipt of cash consideration of \$100 million

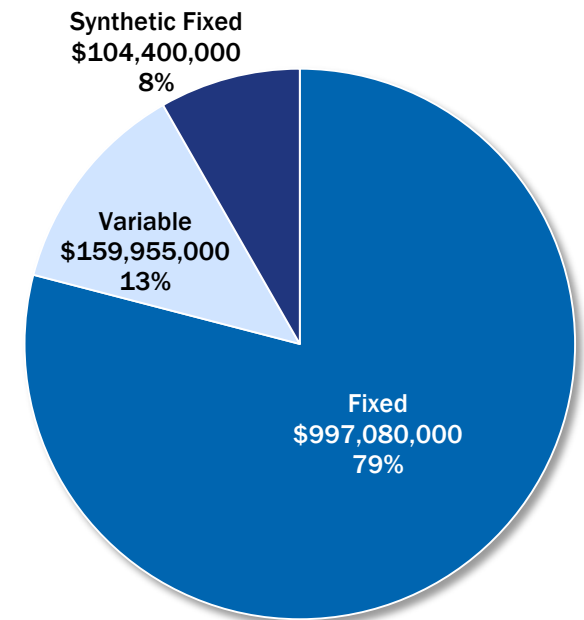
<sup>1</sup> Net of amounts used for planned early debt repayments of \$100m in FY 21 and \$41m in FY 23

# WATER & WASTEWATER SYSTEM DEBT MANAGEMENT



<sup>1</sup> Calculated from Moody's Municipal Financial Ratio Analysis database of 209 Aa rated public water-sewer utilities, Jan. 10, 2017

## Debt Composition as of September 30, 2020



- \$803 million reduction in debt since peak
- Variable rate exposure reduced from 18% in 2009 to 13% in 2020

# WATER & WASTEWATER SYSTEM FY2020 FINANCIAL RESULTS



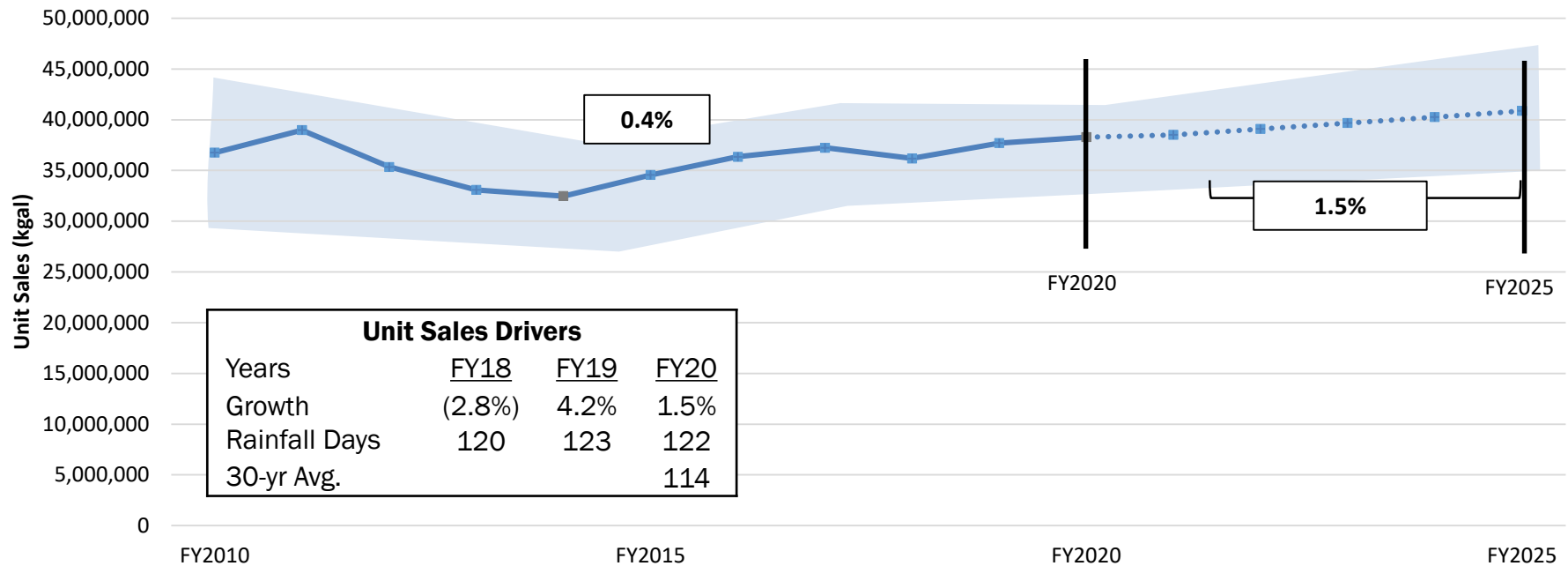
- 5.0x combined debt service coverage
- Days of cash on hand: 176 days
- Days of liquidity: 353 days
- Total debt reduction (1): \$126 million
- Debt to asset ratio: 41.1%
- Debt to capitalization: 39.0%
- Capital expenditures: \$189 million
- 2.2% increase in Water kgal sales
- Total system revenue increase: 4.3%

<sup>1</sup> STAR Plan Phase 2 completed in October 2019



# WATER & WASTEWATER SYSTEM UNIT SALES

## Unit Sales in kGal



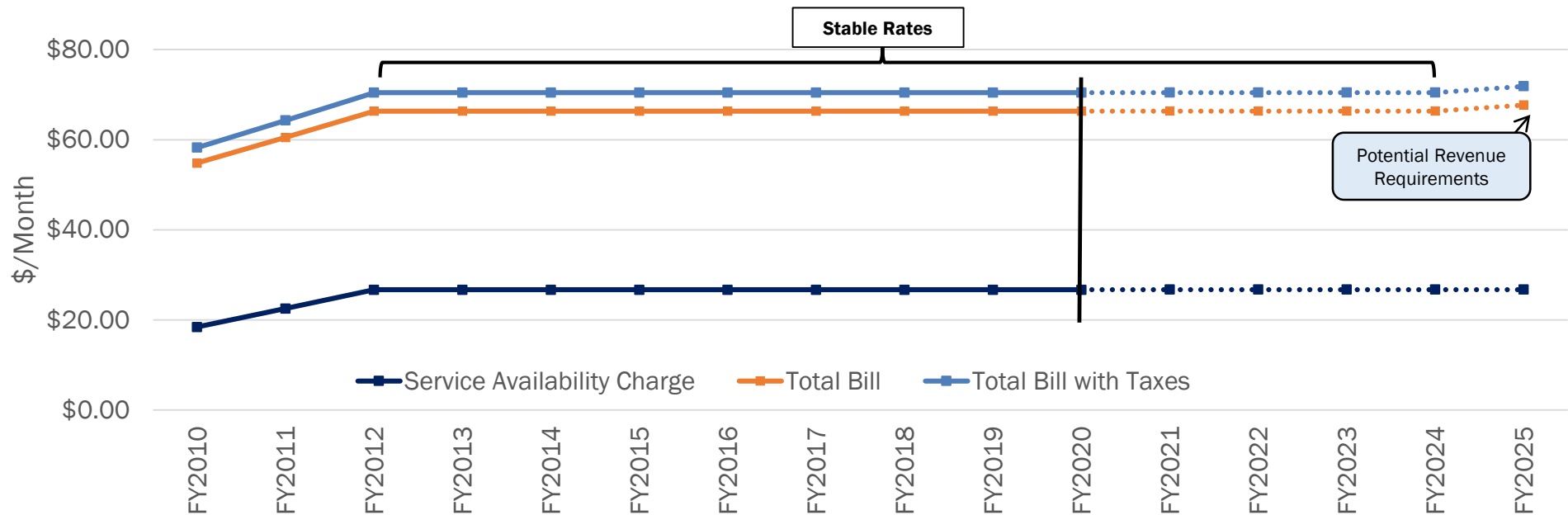
## Water & Wastewater System

- Historically the water and sewer system experienced 0.4% annualized unit sales growth from 2010 - 2020
- Projected system unit sales growth is 1.5% from FY2021 to FY2025

# WATER & WASTEWATER RESIDENTIAL CUSTOMER RATES

## Water/Sewer Residential Rates

@6,000 gallons, 5/8" Meter

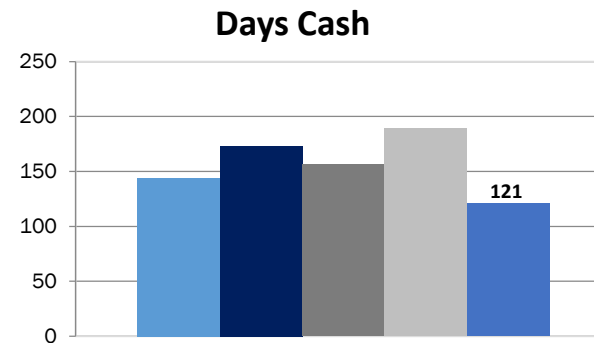
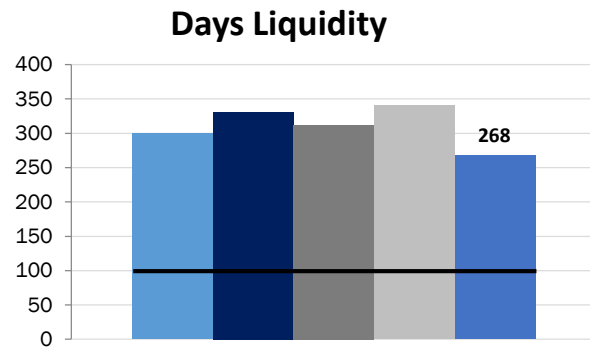
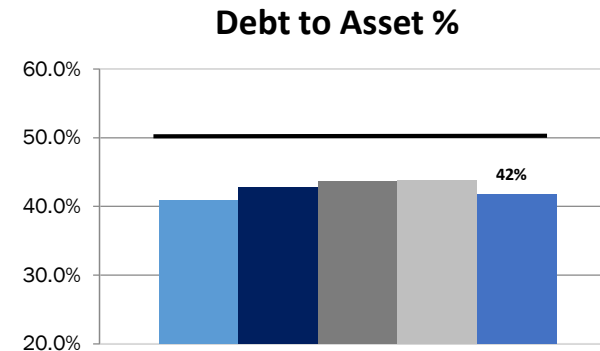
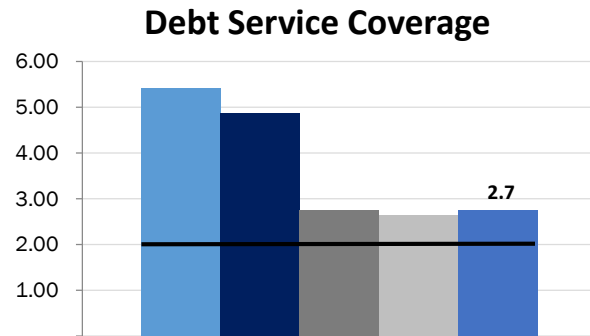


### Water/Sewer System

- Total JEA Rates have been stable since Oct 1, 2012
- Capacity fees are currently being evaluated
- Potential Revenue Requirements could increase if the capital program increases significantly, zero discharge wastewater effluent regulations are enacted, along with ongoing renewal and replacement required

# WATER & WASTEWATER SYSTEM FINANCIAL PROJECTIONS

**Debt to Asset ratio at 42% in 2025 • \$1.5 billion capital plan FY21 – FY25 • AAA financial condition**



■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025

— Long Term targets per JEA pricing policy

# CAPITAL NEEDS AND FUNDING SOURCES

***The Water and Wastewater capital plan increases are driven by: growth in both systems, and programs to rehabilitate and harden infrastructure critical to system operation and reliability***

- Approximately 1/3<sup>rd</sup> of projected capital spend is directly growth – capacity expansion related
- Previous debt repayment allows for additional internally generated funds to be available for capital in FYs 2021 and 2022

Water and Sewer System	Actual	2021	2022	2023	2024	2025	5-yr Average
(\$000s)	2020						
Internally Generated Funds Available for Capital <sup>1</sup>	\$181,406	\$240,649	\$263,015	\$191,638	\$181,629	\$199,842	
Capital Fund Balance Withdrawals (Deposits)	\$8,904	\$ 7,351	\$ (30,540)	\$ 2,755	\$ (31,629)	\$ 25,158	
Debt Financing	\$ -	\$ 50,000	\$ 150,000	\$ 150,000	\$ 75,000	\$ -	
<b>Capital Plan Spend</b>	<b>\$188,647</b>	<b>\$298,000</b>	<b>\$382,475</b>	<b>\$344,393</b>	<b>\$225,000</b>	<b>\$225,000</b>	<b>\$294,973</b>
<b>Capital Fund Balance</b>	<b>\$38,131</b>	<b>\$30,780</b>	<b>\$61,321</b>	<b>\$58,566</b>	<b>\$90,195</b>	<b>\$65,037</b>	

<sup>1</sup> Internally generated funds available for capital are sourced from R&R and operating capital outlay along with surplus funds from prior budget appropriation restrictions

<sup>2</sup> Net of amounts taken from capital fund balance for accelerated debt repayments





# **ELECTRIC SYSTEM**





# ELECTRIC SYSTEM HIGHLIGHTS

- 
- **Continued significant investment in reliability projects sustaining customer outage performance.**
  - **Continued electric customer growth**
  - **Reached agreement with Florida Power & Light on the shutdown of Plant Scherer Unit 4 coal unit and a 200 MW PPA**
  - **Construction underway on infrastructure to integrate 250 MW of Solar PV**
  - **Excellent NERC Operations & Planning 2020 Audit results**

# ELECTRIC SYSTEM INFRASTRUCTURE



## Power Production Assets

- 5 Plants, 16 Units
- Net Capacity: 2,841 MW (3,149 MW winter)
- Fuel Sources: Natural Gas, Petroleum Coke, Coal, Oil
- Small amount of Landfill Gas

## Transmission System

- Voltage Levels (kV): 500, 230, 138 & 69
- 744 Miles of Transmission
- 83 Substations

## Distribution System

- Voltage Levels (kV): 26.4, 13.2 & 4.16
- 341 feeders (230 – 26.4kV; 82 – 13kV; 29 – 4kV)
- 7,140 circuit miles (42% Overhead, 58% Underground)
- 108,000 transformers, 208,000 poles



# ELECTRIC SYSTEM OVERVIEW

## Existing Generation Capacity = 2,841<sup>1</sup> MW

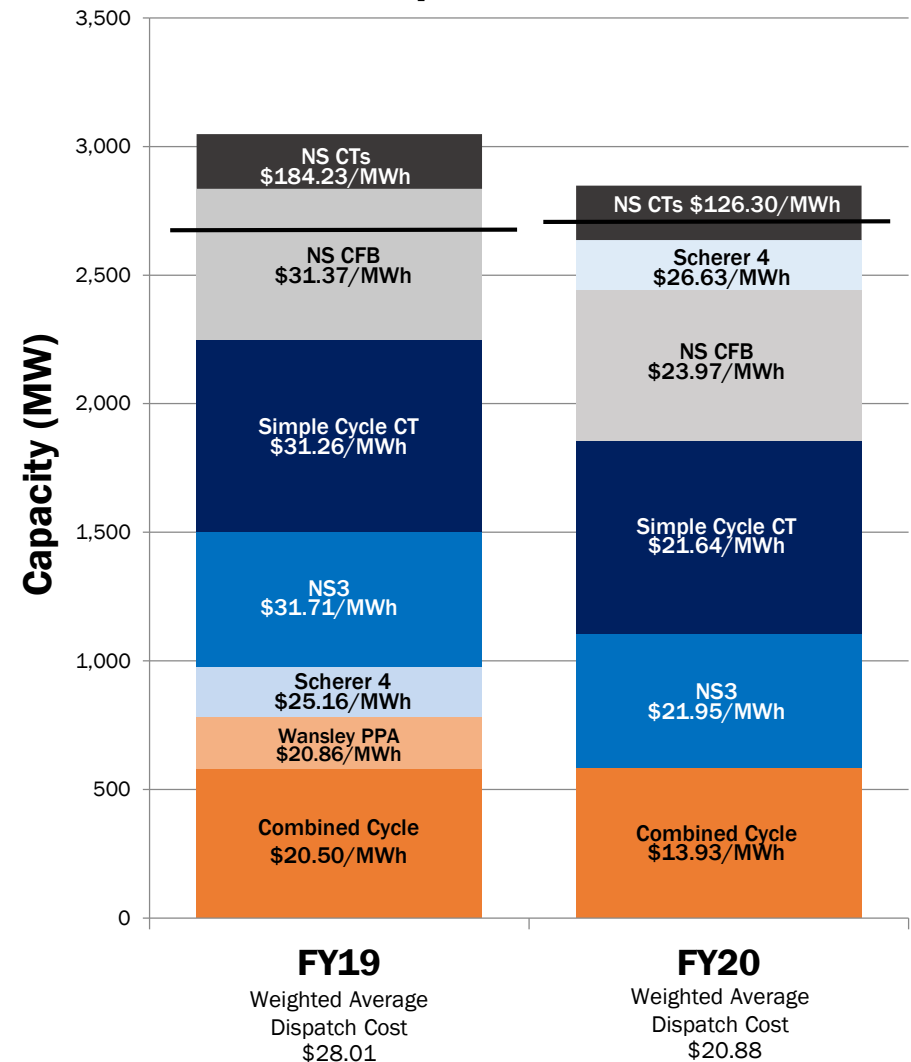
Facility	Primary Fuel Type	Generating Capacity (in MW)	Year in Service
Natural Gas: 1,857MW (65%)			
Brandy Branch	Natural Gas	718	2001 - 2019 <sup>2</sup>
Northside Gen Unit 3	Natural Gas/Oil	524	1977
Kennedy	Natural Gas	300	2000 - 2009 <sup>2</sup>
Greenland Energy Center	Natural Gas	300	2011
Landfill Gas: 15MW (<1%)			
Landfill Energy Systems	Landfill Gas	15	1997 - 2015 <sup>2</sup>
Solid Fuel: 784 MW (28%)			
Northside Gen Units 1 & 2	Pet Coke	586	2003
Scherer 4	Coal	198	1989
Total: 2,641MW			
Peaking Reserve: 200 MW (7%)			
Northside CTs	Diesel Fuel Oil	200	1975
Grand Total: 2,841MW			

<sup>1</sup> Based on summer net ratings and entitled capacity, with winter of 3,149 MW as of 10/30/2020

<sup>2</sup> Multiple units, multiple in service dates

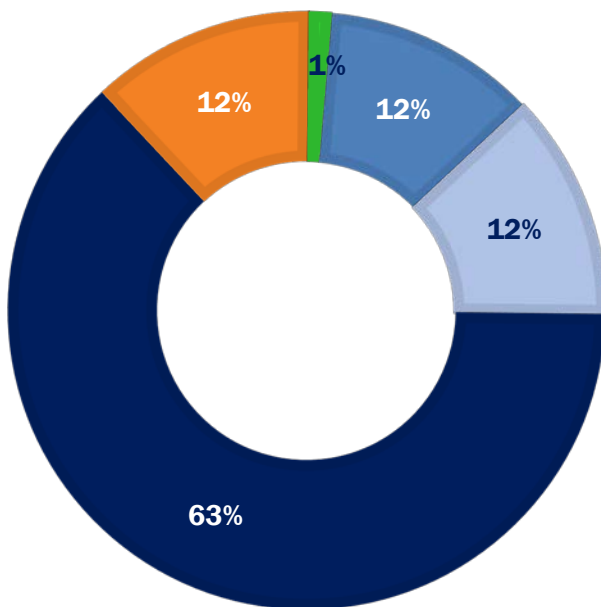
— Actual Peak

## Dispatch Stack<sup>1</sup>

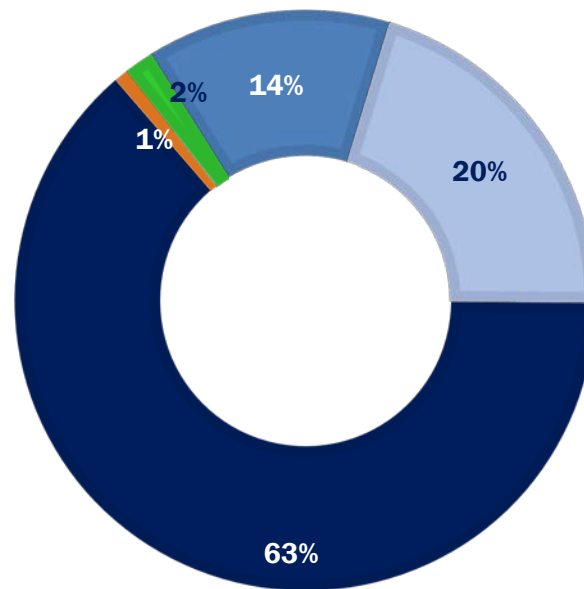


# ELECTRIC FUEL MIX

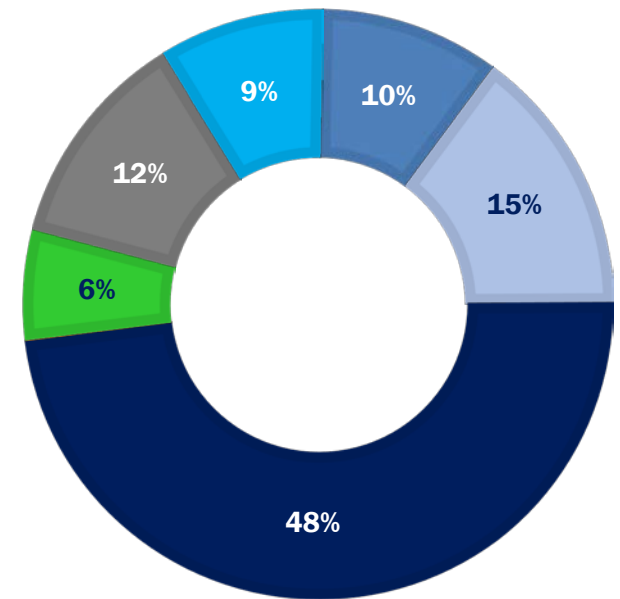
## 2020 Actuals



## 2021 Forecast



## 2025 Forecast



■ Gas   ■ Pet Coke   ■ Coal   ■ Nuclear   ■ Renewables   ■ Purchased Power   ■ FPL PPA\*

\* FPL PPA is convertible to a Solar PPA beginning in 2031 at JEA's Option

# ELECTRIC SYSTEM PERFORMANCE MONITORING: T&D

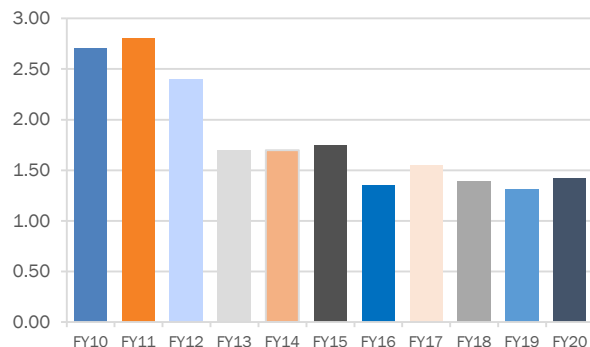
## Electric Service Reliability

- Outage frequency and duration have been reduced over the last 10 years
- The typical JEA customer sees 1.42 outages per year and a total outage duration of about 89 minutes
- Significant improvement trend over past six years for CEMI<sub>5</sub>. FY20 had only 0.25% of our customers experiencing more than 5 outages

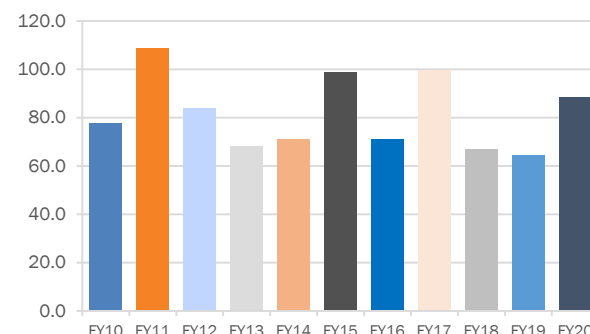
## Transmission Line Reliability

- Overall improving trend over the last ten years

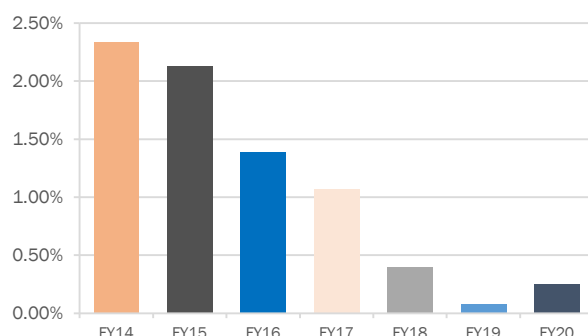
Customer Outage Frequency



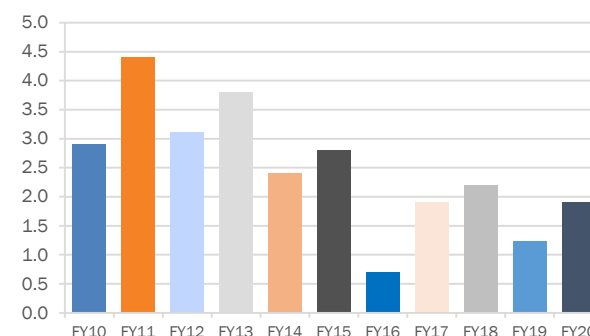
Electric Outage Duration



Customers Experiencing > 5 Outages



Transmission Line Fault Frequency

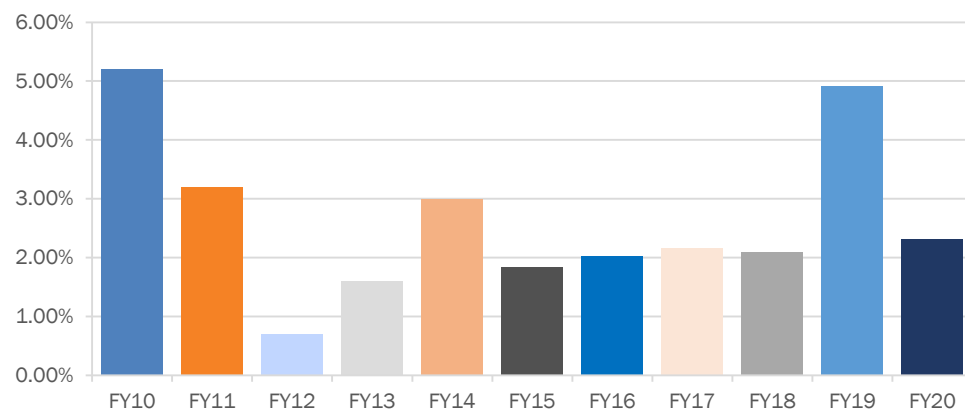


T&D Grid Performance	Metric	FY2020	FY2019	FY2018
Customer Outage Frequency	# of Outages per Year	1.42	1.31	1.39
Electric Outage Duration	# of Minutes out per Year	88.5	64.5	66.9
CEMI <sub>5</sub>	% Customers > 5 outages per yr	0.25%	0.08%	0.40%
Transmission Line Faults	# of Faults per 100 miles	1.9	1.2	2.2

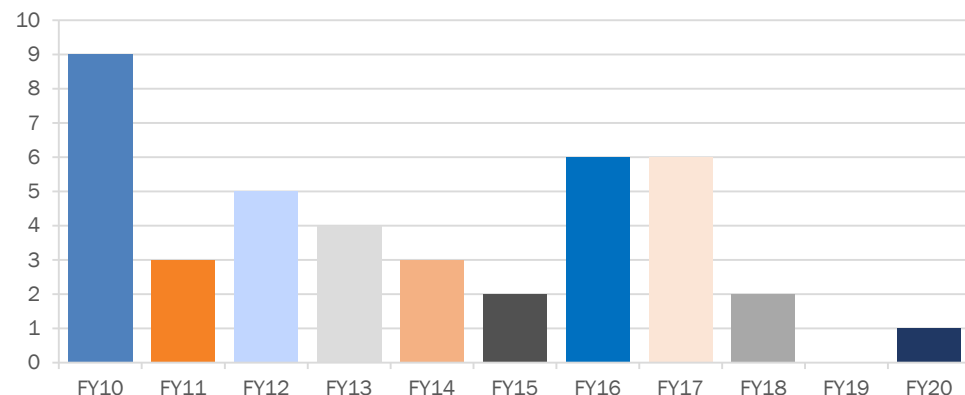


# ELECTRIC SYSTEM PERFORMANCE MONITORING: GENERATION

## Forced Outage Rate



## Permit Exceedances



## Generating Fleet Reliability

- The JEA Fleet Forced Outage Rate finished FY20 at 2.31% within the target range of 2.25% to 2.50%
- Numerous improvements and projects were implemented in generation to make the units more reliable, have greater capacity and lower costs.

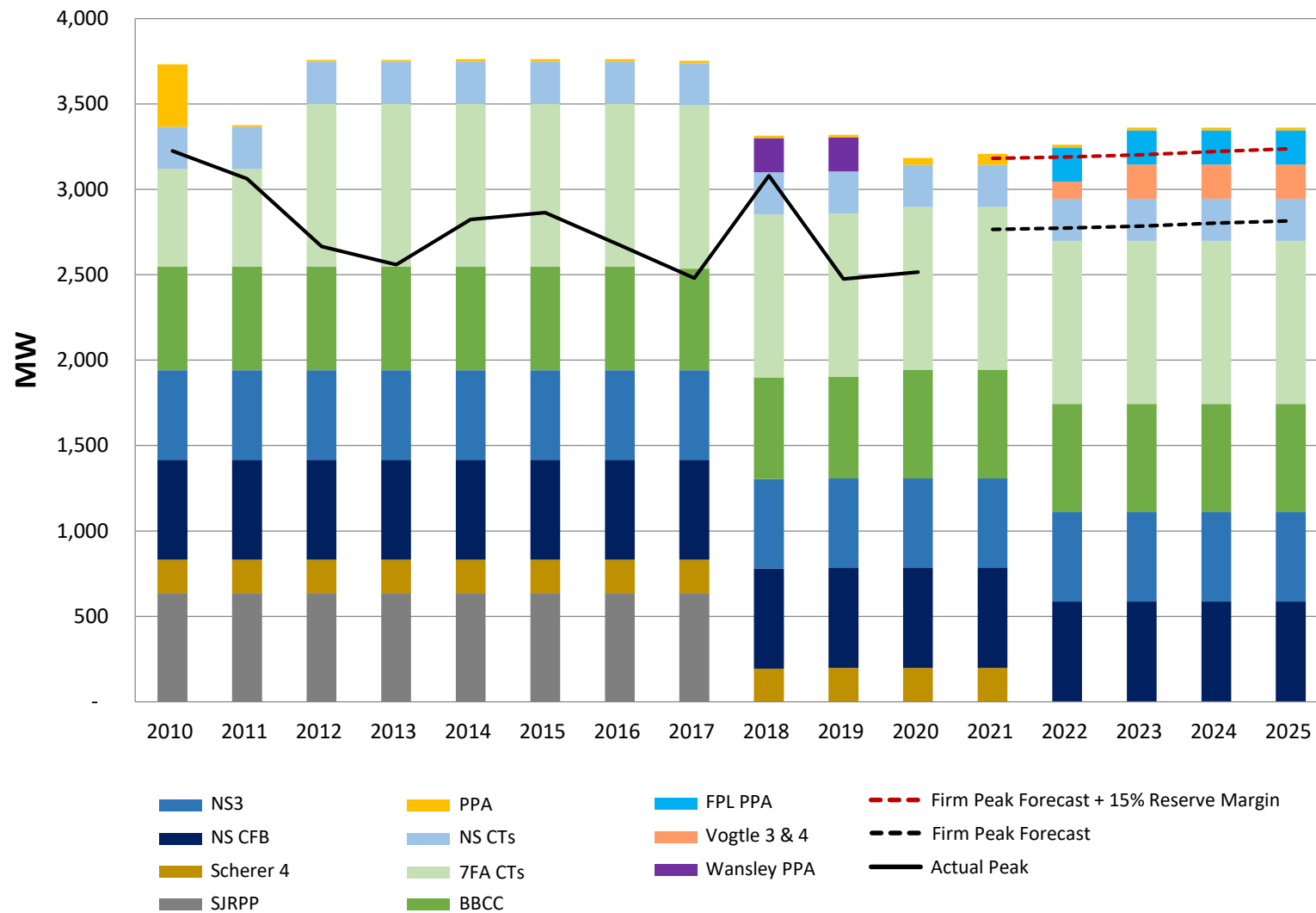
## Environmental Compliance

- One reportable event during FY20 related to sampling at Northside Generating Station.
- JEA remains actively engaged in preparing for all new and emerging environmental regulations

Generating Plant Performance	Metric	FY2020	FY2019	FY2018
Generation Fleet Reliability	Forced Outages Rate	2.31	4.92	2.10
Environmental Compliance	Permit Exceedances	1	0	2

# FLEET OPTIMIZATION AND ASSET UTILIZATION

**JEA has to meet customers' electricity demand, as well as the required 15% reserve margin**



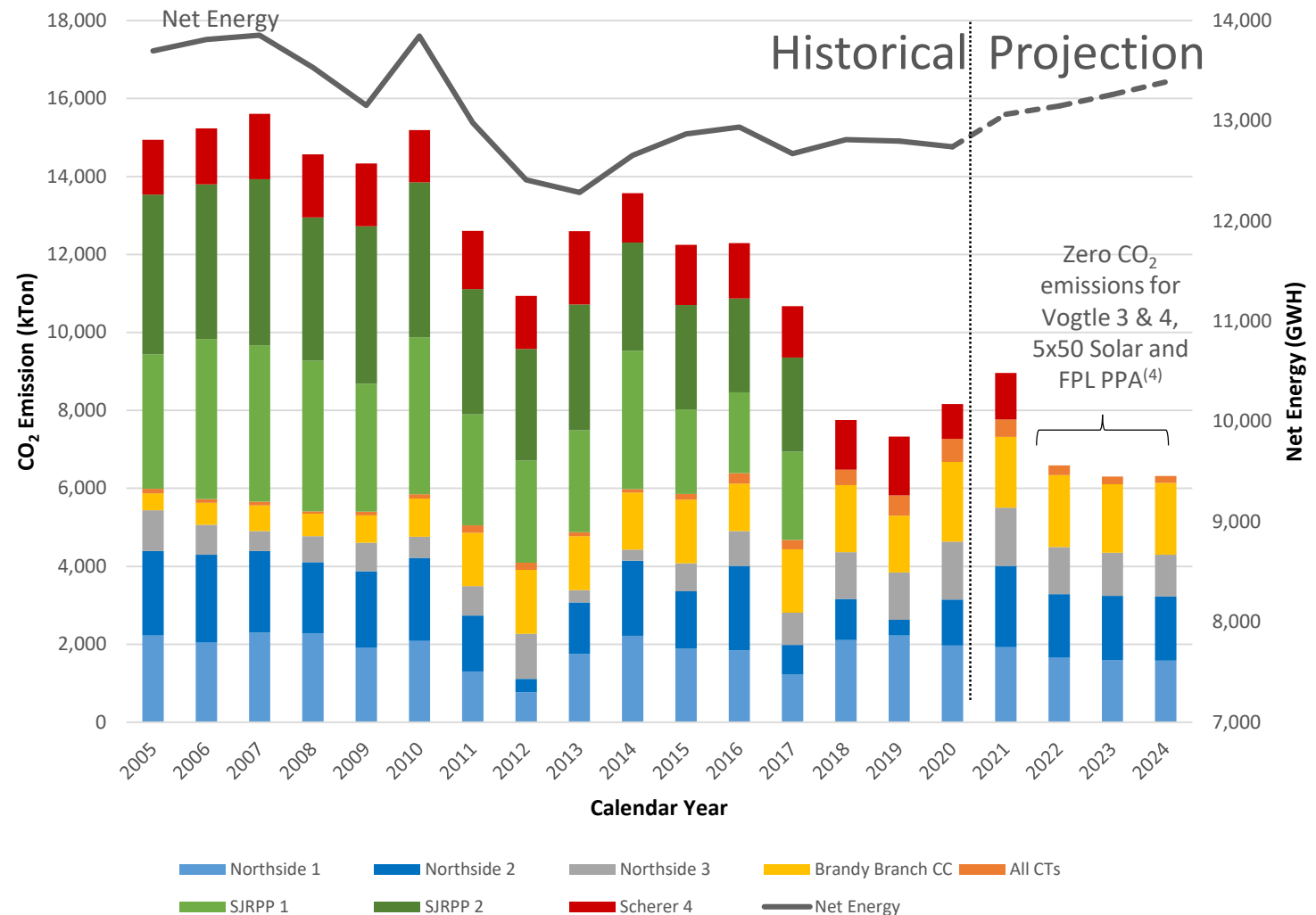
# JEA SYSTEM CO<sub>2</sub> EMISSIONS

## SJRPP 1 and 2

Retirement in December 2017 resulted in an average reduction of 4,800 kTons of CO<sub>2</sub> emissions per year

## Scherer 4

Retirement in December 2022 will result in an additional reduction of 1,300 kTons of CO<sub>2</sub> emissions per year - approximately 17% of total CO<sub>2</sub> emissions attributed to JEA<sup>4</sup> as compared to the Base Case.



- (1) CO<sub>2</sub> emissions from 200 MW Power Purchase Agreement (PPA) in 2005 - 2010 are not included as emissions are attributed to the owner of the power supply
- (2) SJRPP 1 and 2 CO<sub>2</sub> emissions based on JEA's 80% Ownership, where the joint ownership agreement shared the output MWh at a 50%/50% arrangement.
- (3) Scherer 4 CO<sub>2</sub> emissions based on JEA's 23.6% Ownership.
- (4) Approximately 600 kTon of CO<sub>2</sub> emissions per year from 200 MW of PPA starting 2022 are attributed to the owner of the Power Supply entity of the PPA.

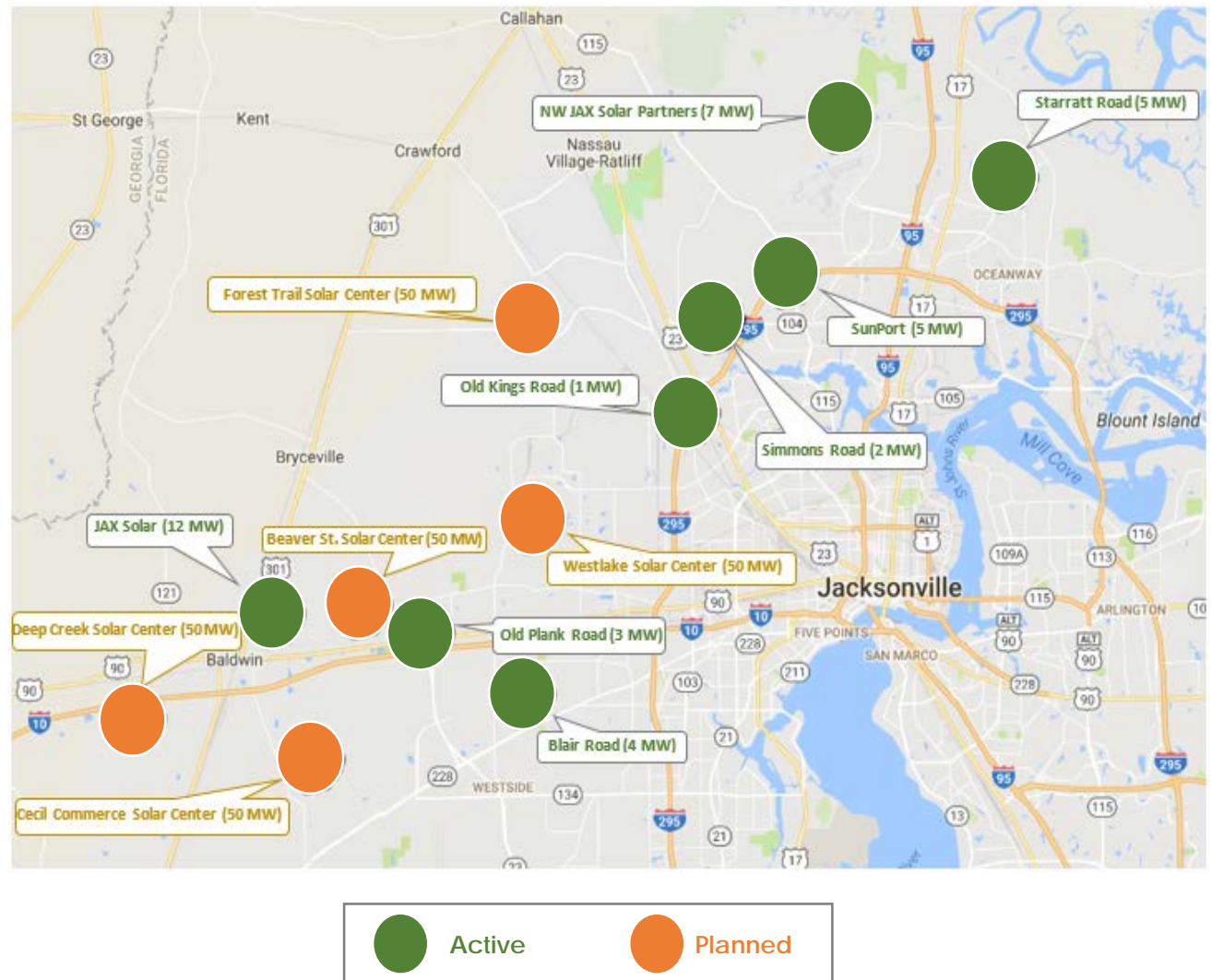
# CURRENT AND FUTURE PV SOLAR SITES

## JEA Is Pursuing a Substantial Increase in Solar Generation

- Contracted to add 250 MW of universal solar by 2022, in addition to 39 MW installed, making Jacksonville one of the largest solar cities in the U.S.
- Land owned by JEA and connected to distribution system

## Impact on JEA:

- Reduces CO<sub>2</sub> emissions
- PPA prices below current fuel rate with no escalator providing a 20+ year fuel hedge



# PLANT VOGTLE 3 & 4 OVERVIEW



**Minimal reduction in Project J capital cost forecast per September 2020 update**

**Expected to meet the regulatory-approved in-service dates**

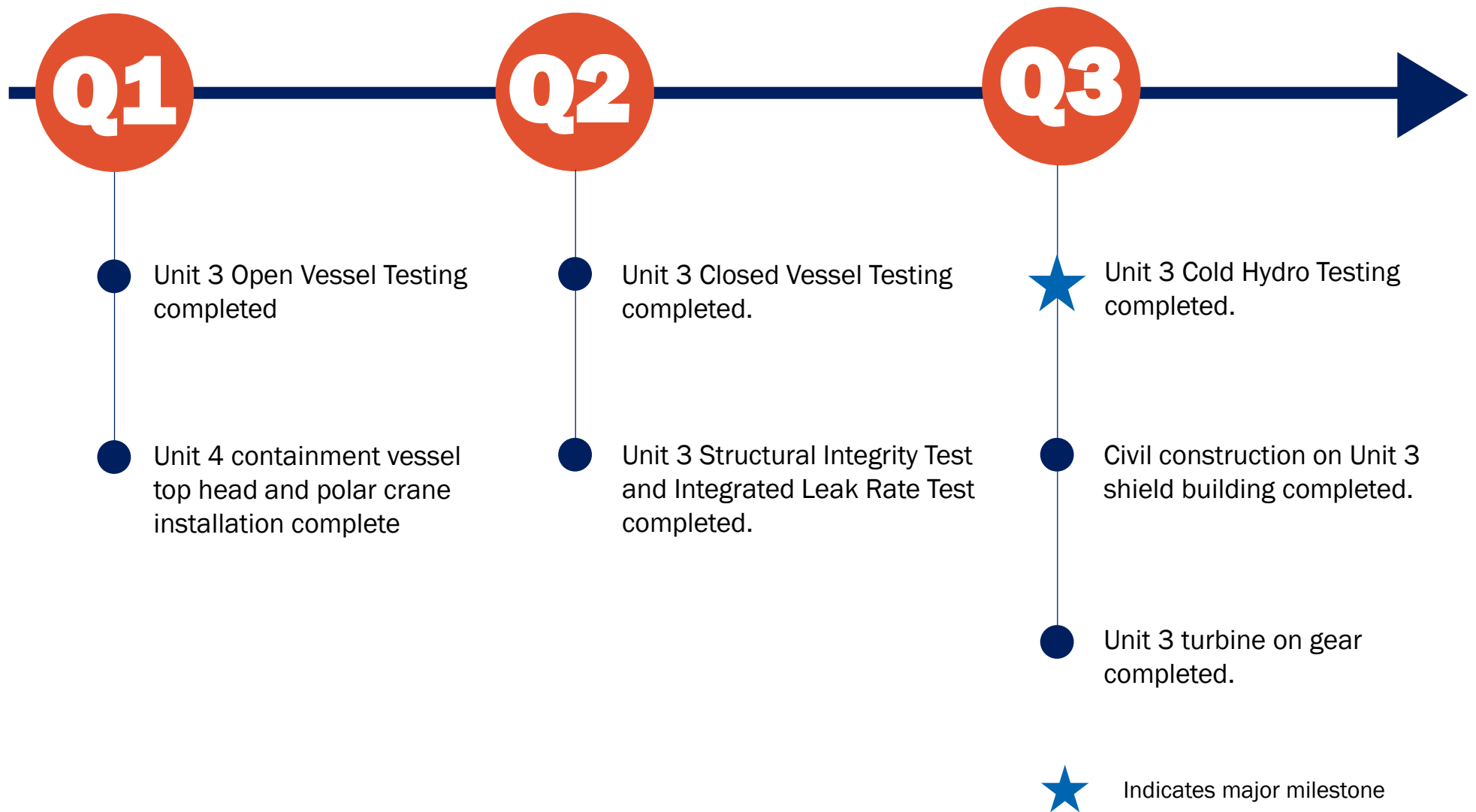
- Unit 3 direct construction is approximately 94% complete
- Total Unit 3 and 4 direct construction is approximately 88% complete

**Georgia Power has received the first nuclear fuel shipment for Vogtle Unit 3**

**Expected completion: November 2021 (Unit 3) and November 2022 (Unit 4)**

*Source: Southern Company 3<sup>rd</sup> Quarter 2020 Earnings Presentations and Georgia Power Company News Release*

# VOGTLE 3 & 4 MILESTONES COMPLETED DURING 2020



Sources: Southern Company 1<sup>st</sup> Quarter, 2<sup>nd</sup> Quarter, and 3<sup>rd</sup> Quarter 2020 Earnings Presentations



# PLANT SCHERER UNIT 4 SHUTDOWN/FLORIDA POWER & LIGHT PPA

Transaction closed in late November 2020

## Multiple benefits to JEA:

- \$200M NPV estimated savings to customers
- Defease outstanding Scherer debt in CY2020
- Replaces coal generation with lower cost and lower carbon alternatives
- Increased availability (no outages to consider)
- Avoids additional Scherer environmental compliance costs
- Lowers JEA's CO<sub>2</sub> emissions



## Shutdown of Scherer Unit 4 and FPL PPA expected to commence on January 1, 2022

- 200 MW PPA is a “slice of system” product backed by FPL’s gas-fired combined cycle units
- JEA has the option to convert to a solar energy facility based PPA after 10 years
- Entered into a 10-year natural gas hedge with a FPL affiliate at closing

# ELECTRIC SYSTEM SUMMARY



- Strong operational and reliability metrics
- Five-year capital plan funded without debt
- Lowest Electric Enterprise debt in 35 years





# **WATER AND WASTEWATER SYSTEM**



# WATER AND WASTEWATER SYSTEM HIGHLIGHTS



- Lowest amount of nitrogen discharged in history at 299 tons versus a permit limit of 683 tons
- \$189 M capital delivered; continuing upgrade and expansion of system
- Resiliency Framework for long-term system reliability and resiliency
- Evaluating cost effective solutions for septic tank phase out
- Comprehensive Integrated Water Resource Plan developed to effectively sustain Northeast Florida water supply and minimize effluent discharge
- Achieved Safety RIR of 0.41



# WATER AND WASTEWATER SYSTEM INFRASTRUCTURE



## Water System

- 20 major and 18 small water treatment plants and 3 re-pump facilities
- 135 active water supply wells, 4,874 miles of water distribution mains and total finished water storage capacity of over 83 million gallons
- Two major and four small distribution grids

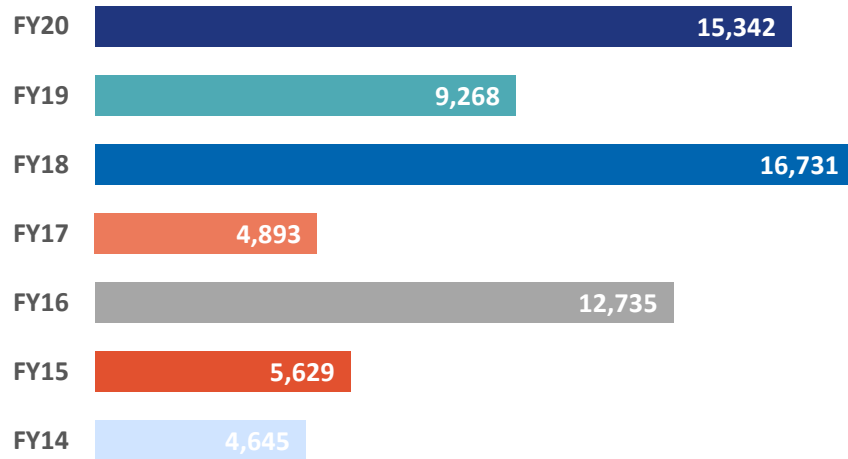


## Wastewater System

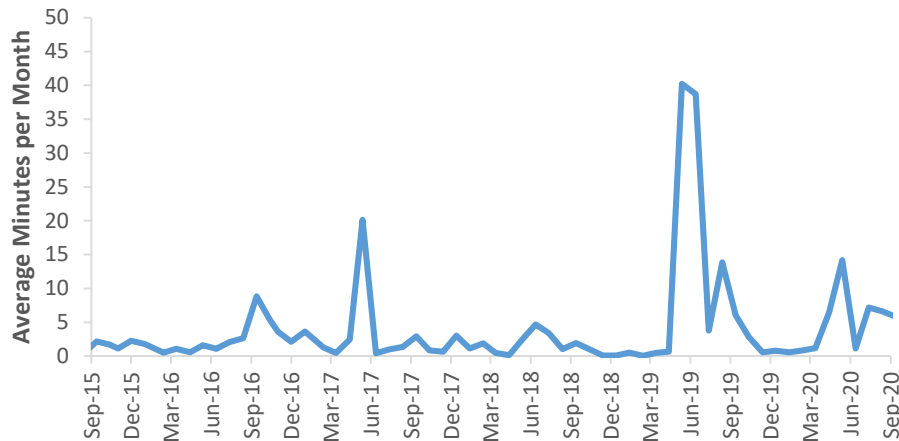
- Approximately 4,179 miles of gravity sewers and force mains
- 1,508 pumping stations, 802 low pressure sewer units, and 11 treatment plants currently ranging in rated average daily treatment capacity from approximately 0.2 to 52.5 MGD

# WATER AND WASTEWATER SYSTEM METRICS

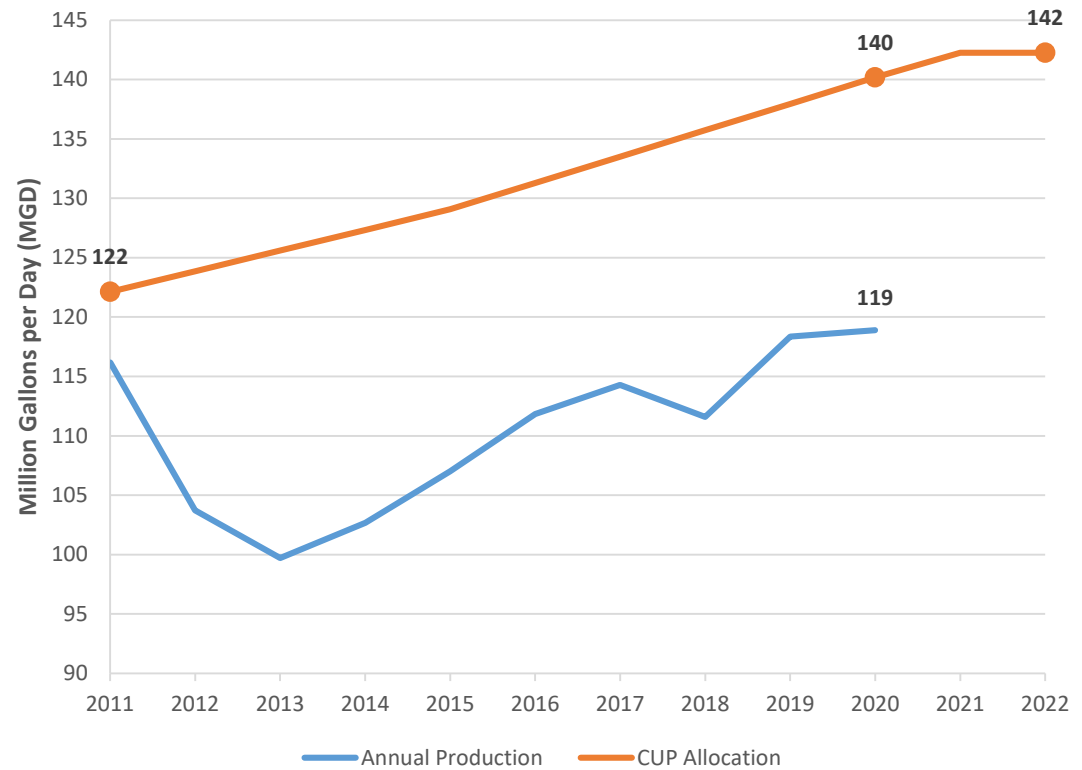
## Number of Customers Affected by Unplanned Water Main Outages



## Average Minutes Water Pressure Less Than 30 PSI



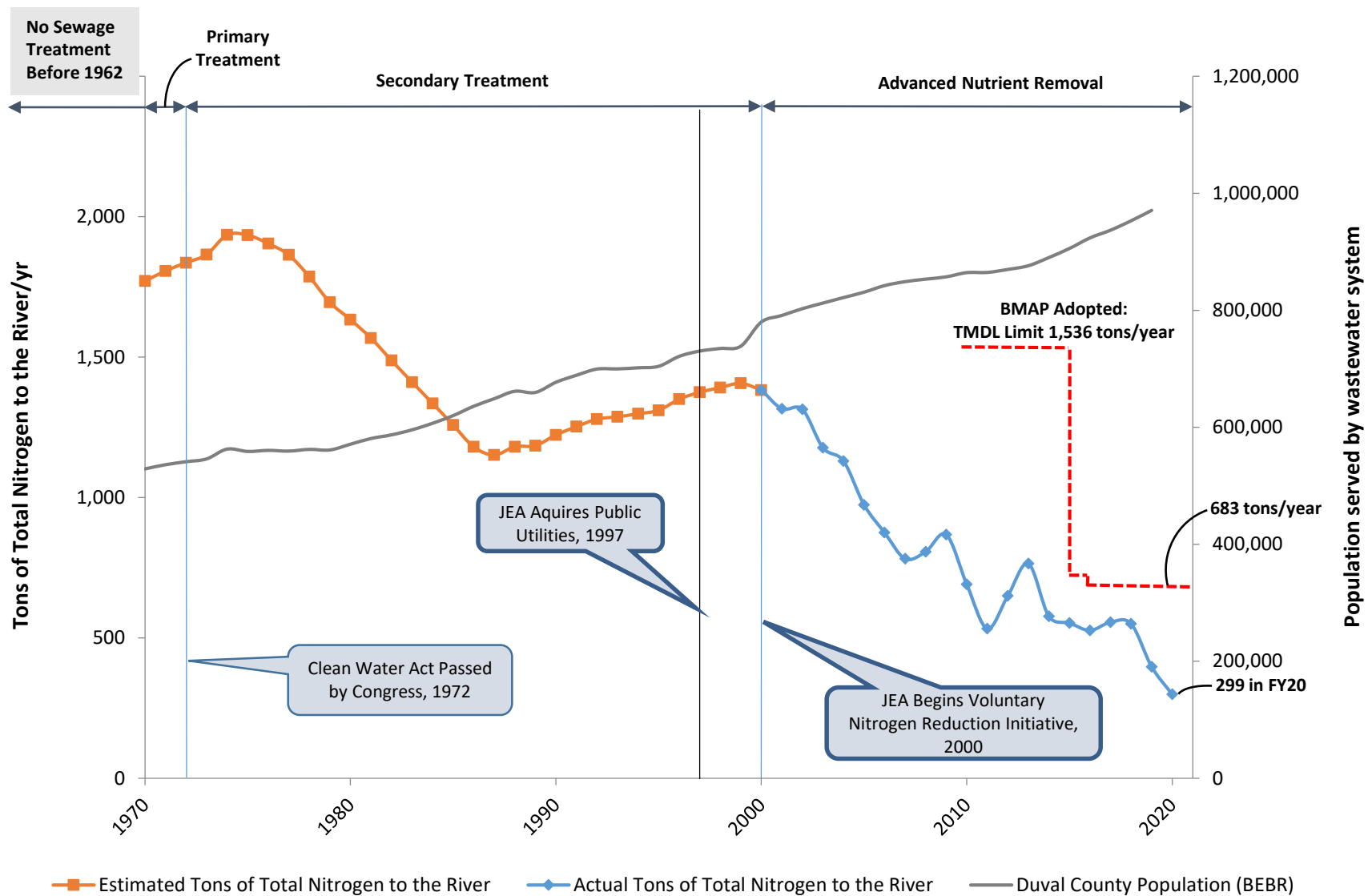
## Consumptive Use Permit (CUP)



CUP extends through April 2031



# CONTINUED REDUCTION OF NITROGEN TO THE ST. JOHNS RIVER



# WATER SUPPLY SUSTAINABILITY PLAN

**Traditional groundwater sources are becoming limited in Florida. JEA focused on multiple solutions for sustainable supply**

## iWATER

*JEA Integrated Water Testing,  
Evaluation and Rehabilitation  
Program*

FY15 to FY20



## IWRP Study

*Integrated Water  
Resource Plan*

FY19 to FY21



## Implementation Plan

*JEA Water Supply and  
Demand Management Program*

FY21 ...

### Production & Transmission

- Well rehab and performance for 84 of JEA's 137 raw water wells
- Hydraulic and water quality modeling
- Identify transmission piping projects

### Planning

- Maximize reclaimed water
- TWMP\* (FY 2000 to Present)
- Water purification with aquifer recharge demonstration plant in the 10-year plan

\* JEA's Total Water Management Plan (TWMP)

### IWRP Implementation

- Alternative water supplies
- Conservation messaging
- Demand-side management program
- Customer and community engagement

# WATER AND WASTEWATER SYSTEM SUMMARY



- Superior operational performance
- Capital plan financed predominately with internal funds
- Reliable system creating minimal environmental impacts
- Focused on sustainable water quality & supply



## **COVID-19 IMPACT UPDATE**



# COVID-19 FINANCIAL UPDATE

JEA's goal throughout this pandemic emergency is to provide reliable service to customers while keeping employees and community safe.

## COVID-19 Impacts on Financials

### Electric System

Total Electric Sales were down 1.5% in comparison to FY19.

Electric uncollectibles up \$1.6 million in FY20, a 90% increase from FY19.

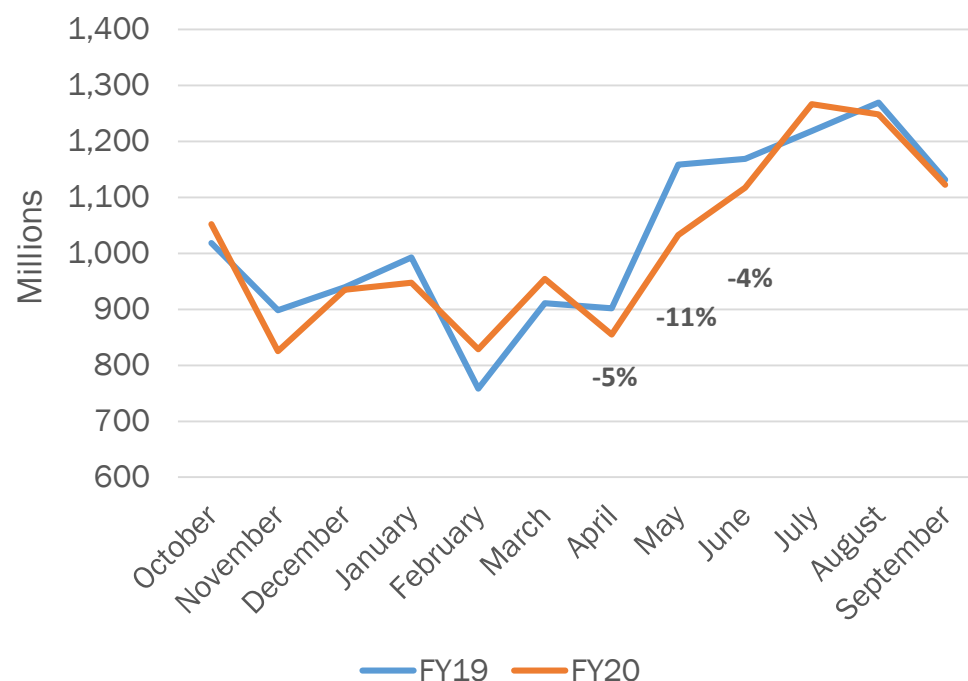
Electric Rate revenue down \$35.8 million from FY19, primarily due to a \$23 million fuel rebate in May/June 2020

### Water & Wastewater System

Water sales were up 2%.

Water uncollectibles up \$850k in FY20, a 160% increase from FY19

### Electric Sales in kWh







## CONCLUSION





# JEA CONTINUES TO DEMONSTRATE CONSISTENTLY SUPERIOR FINANCIAL AND OPERATIONAL PERFORMANCE

## Electric

### JEA merits a AA credit rating

- ✓ Maintained excellent financial and operation metrics
- ✓ Repaid \$235 million in debt for a total of \$2.3 billion since 2009 and continue plan to pay down additional debt
- ✓ Financial plan reflects the additional cost of Plant Vogtle
- ✓ Capital program will continue to be funded with no new debt
- ✓ Strengthened fuel diversity through the additional solar PPA and the pending retirement of Plant Scherer Unit 4 and the replacement PPA

## Water & Wastewater

### JEA merits a AAA credit rating

- ✓ Superior operational and financial metrics
- ✓ Repaid \$126 million in debt for a total of \$803 million since 2011
- ✓ Robust growth in sales and customers
- ✓ Capital program funded with a proportionate amounts of internal capital and new debt capital
- ✓ Continued commitment to investing in infrastructure to ensure reliability in operations now and into the future



# **JEA BOARD MEMBER PROFILES**





# John Baker

JEA Board Chair

Executive Chairman & CEO of  
FRP Holdings, Inc.



**TERM**

**04/16/2020 – 02/28/2024**

Mr. Baker is currently Executive Chairman and Chief Executive Officer of FRP Holdings, Inc. (successor to Patriot Transportation Holding, Inc.), a real estate company located in Jacksonville, Florida. From February 2008 until October 2010, he served as the President and Chief Executive Officer of Patriot. Before joining Patriot, Mr. Baker was President and Chief Executive Officer of Florida Rock Industries, Inc.

Mr. Baker received a B.A. from Princeton University, and graduated with honors from the University of Florida School of Law. Mr. Baker is a director of Blue Water Industries Holdings, LLC and a senior advisor for Brinkmere Capital Partners, LLC, a private equity firm.

Mr. Baker is a former member of the of the Board of Directors of Wells Fargo & Company, Jacksonville Port Authority, Progress Energy, Vulcan Materials, and Hughes Supply and Texas Industries, Inc. Mr. Baker maintains leadership roles in several community educational organizations including Tiger Academy, KIPP School Jacksonville, and the YMCA of Florida's First Coast

# Joe DiSalvo

## JEA Governance Committee Chair

Lieutenant General U.S. Army, Retired



**TERM**

**04/16/2020 – 02/28/2022**

Joe DiSalvo has over 30 years as a strategic leader who built trust, initiative, innovation, integrity, core values, and accountability in organizations ranging from 850 to 65,000 personnel. Exceptionally experienced interacting with U.S. federal government agencies, congress, and international governments (14 years working abroad). Successfully managed \$1B budgets and led 4 strategic planning projects at the national level. His passion is leading and inspiring individuals and organizations to excel and impact positively on society. Joe currently provides consulting services focused on leader development, strategic planning, team building, business development and crisis management. Joe is also on the Board of Advisors for two private companies and on the Board of Directors for a public power utility company.

Joe graduated from the United States Military Academy in 1981 with a Bachelor of Science degree and was commissioned in the Armor Corps. He has a Masters in Operations Research from the Air Force Institute of Technology and a Masters of Strategic Studies from the U.S. Army War College. Joe's military career culminated as the U.S. Southern Command's Deputy Commanding General, as a Lieutenant General, from 2015-2018, where he was responsible for security cooperation and capacity building with militaries from Central America, Caribbean, and South America. From 2013 to 2015 as a Major General, he commanded the U.S. 6th Army where he was responsible for partnering, advising, and mentoring senior army leaders from Central America, Caribbean, and South America. From 2012 to 2013 Joe was Chief of Staff, U.S. Southern Command where he led 9 directorates and oversaw a \$1,062M budget.

Joe was Deputy Commanding General of III U.S. Army Corps from 2010 to 2012 where he oversaw the tactical training, operations, and quality of life for 35,000 Soldiers and their families in Fort Hood, Texas. Additionally, as a Brigadier General, he was also the Corps Chief of Staff from 2009 to 2010 where he supervised 8 directorates and managed a \$500M budget. While assigned to the Pentagon, from 2008-2009 he was the senior advisor to the Chairman of the Joint Chiefs of Staff for Western Hemisphere security and Homeland Defense. As a Colonel, in 2006-2007 Joe was the lead Iraq campaign policy analyst for the Joint Staff. From 2003-2006 he commanded 2nd Brigade Combat Team, 3rd Infantry Division, which included two combat tours.

Joe is married with three grown children. He is a military history enthusiast and enjoys all sports, especially road racing (running).

# Dr. A. Zachary Faison, Jr.

## JEA Board

### 30th President & CEO of Edward Waters College



#### TERM

04/16/2020 – 02/28/2022

Dr. A. Zachary Faison, Jr. assumed responsibility as the 30th President and CEO of Edward Waters College (EWC) in July 2018 post a unanimous vote by the College's Board of Trustees. Faison's selection made him the youngest serving President & CEO of a Historically Black College or University (HBCU) in America.

A native of Atlanta, Georgia, Faison's career includes distinguished professional experiences as a higher education executive administrator, educator, and attorney. Before his Presidential appointment at EWC, Faison served as General Counsel & Vice President of External Affairs at Tuskegee University (TU) in Tuskegee, AL. Prior to his appointment at TU, he served as Vice President for Enrollment Management & Student Affairs at Virginia Union University (VUU) in Richmond, VA, where he founded the VUU College for African-American Men (VCAAM). Dr. Faison also previously served as Special Assistant to the President for Legal & Legislative Affairs, Community Affairs, and Economic Development at Mississippi Valley State University in Itta Bena, MS, where he later became University Chief of Staff before being named Vice President of Institutional Advancement & Executive Director of the MVSU Foundation. As a scholar-educator, Faison has held professorial appointments at both the undergraduate and graduate levels in Political Science, Criminal Justice, and Business Administration. Faison is also a former state prosecutor having prosecuted criminal felony drug cases in Georgia.

Faison graduated Magna Cum Laude from Albany State University (ASU) with a Bachelor of Arts (B.A.) in English where he was an ASU Presidential & Foundation Scholar, Dwight D. Eisenhower National Fellow (US-DOT), and an ASU Velma Fudge Grant University Honors Program & ASU Merit Scholar Graduate. He earned his Juris Doctorate (J.D.) from the University of Georgia School of Law (UGA) where he was a member of the Executive Moot Court Board & Moot Court team. Faison completed post-doctoral study at the Harvard University Graduate School of Education's Institute for Educational Management (IEM) and was a Millennium Leadership Initiative Institute (MLI) Fellow of the American Association of State Colleges & Universities (AASCU). He also holds the Certification in Fundraising Management (CFRM) from The Philanthropy School at Indiana University (IU).

He is the son of Alderman Faison, Sr. and Dr. Jewel J. Faison, and brother to Dr. Morgan Zacheya-Jewel Faison. Faison has been blissfully married for twelve years to Mrs. Tyciee L. Faison, who is also a seasoned higher education administrator, educator, and ordained minister.



# Leon L. Haley Jr., MD

JEA Board

## CEO of UF Health Jacksonville



### TERM

04/16/2020 – 02/28/2024

Leon L. Haley Jr., MD, MHSA, CPE, FACEP, FACHE currently serves as the CEO of UF Health Jacksonville, Vice-President for Health Affairs, and Dean of the University of Florida College of Medicine – Jacksonville; and Professor of Emergency Medicine. He previously served in Atlanta, GA as the Emory Executive Associate Dean for Clinical Services at Grady and Chief Medical Officer of the Emory Medical Care Foundation. A former Professor in the Department of Emergency Medicine at Emory, Dr. Haley additionally served as Deputy Senior Vice-President of Medical Affairs, Chief of Emergency Medicine for the Grady Health System and Vice-Chairman of the Department of Emergency Medicine at Emory University.

A native of Pittsburgh, PA, Dr. Haley received his undergraduate degree from Brown University, his medical degree from the University of Pittsburgh, and his master's degree in health services administration from the University of Michigan. Dr. Haley completed his residency, including a year as Chief Resident, in Emergency Medicine at the Henry Ford Health System in Detroit, MI. Prior to his position at Grady and Emory, Dr. Haley was a Senior Staff Physician at the Henry Ford Health System and a member of the Henry Ford Medical Group. Dr. Haley is Board-Certified in Emergency Medicine, a Certified Physician Executive, Fellow of the American College of Emergency Physicians, and a Fellow of the American College of Healthcare Executives.

Dr. Haley is an active board member of the Jacksonville Chamber of Commerce, the Jacksonville Civic Council, the American Hospital Association Metro Governance Council, the Florida Hospital Association Policy Committee, the Florida Safety Net Alliance, the American Board of Emergency Medicine, Accreditation Council for Graduate Medical Education, and the Griffith Leadership Center at the University of Michigan.

Dr. Haley has interests and publications in health administration, operations and strategic management, and diversity as it relates to healthcare and emergency medicine. Dr. Haley has previously served on or chaired various hospital, university, and national committees including the Board of Directors for the Essential Hospitals Institute, the Society for Academic Emergency Medicine and the Institute of Medicine's Committee on Health Insurance Status.

# Marty Lanahan

**JEA Board Secretary**

**JEA Finance & Audit Committee Chair**

**Regional President - Executive Vice  
President for IBERIABANK- First Horizon**



**TERM**

**04/16/2020 – 02/28/2023**

Marty Lanahan currently serves as the North Central Southwest Florida Regional President - Executive Vice President for IBERIABANK - First Horizon. Her extensive career in the banking industry spans 34 years. She spent 19 years at Regions Bank, most recently serving as the Area President over the West Coast of Florida. Prior to that, she was the Area President over North Florida and the City President for Jacksonville.

Before joining Regions, Lanahan's banking career began with The Atlantic Bank/First Union Bank after graduating from The University of South Carolina with a Finance Degree. She has a diverse background within the financial services sector spanning Commercial/Corporate Banking, Small Business, Retail, Treasury, and Wealth Management.

Lanahan is an active citizen of the state of Florida and is currently on the board of The Moffitt Cancer Center's Medical Practice Group and The Tampa Museum of Art. Ms. Lanahan is also a trustee of the Jessie Ball duPont Fund since 2013. While residing in Jacksonville, Lanahan served on many boards including JEA (Chair), United Way of North Florida, The Cultural Council of Jacksonville (Chair), and The Super Bowl Host Committee where she was responsible for 10,000 volunteers. She also served the citizens of the State of Florida as a Commissioner on The Florida Transportation Commission (Chair).

She has been recognized with numerous awards including One Jax Humanitarian of the Year, City of Jacksonville Spirit of Rosie Award and an Eve Award Winner for employment. She has also been inducted into the First Coast Business Hall of Fame.

# Robert L. Stein

## JEA Board Vice Chair

### President of the Regency Group



#### TERM

04/16/2020 – 02/28/2021

Bobby Stein is President of The Regency Group, a family holding company. He has founded the successful investment and growth of many businesses in a wide variety of industry sectors including water, sewer and waste management, real estate, oil and gas, mortgage services, highway safety, technology, food services and healthcare. Bobby is a board member of Kerrco Inc. (Houston based oil and gas company), SDS (Pizza Hut franchisee), Acme (highway safety business), TL Canon (Applebee's franchisee), ReactiveCore (large scale business automation and advanced analytics), GSMD Holdings, LLC (one of the largest medical coding and billing companies) and Welltality (healthcare solutions provider). He currently serves as Board Chairman of The Better Angels Society (Ken Burns foundation).

Bobby has served the community in a variety of capacities, including as Board Member for the following organizations: Jacksonville Port Authority, King Distribution, St. Johns Utilities, former Chairman of Jacksonville Electric Authority (predecessor of JEA), and Jacksonville Civic Council JEA Task Force Co-Chair.

Past gubernatorial appointments include member of the President's Intelligence Advisory Board; former Chairman of the Defense Business Board, and ex official member of the Defense Policy Board and the Defense Science Board. Bobby served as a member of the United States Naval Academy Board of Visitors.

# Tom VanOsdol

## JEA Board

**President & CEO of Ascension Florida and Gulf Coast**



### TERM

**04/16/2020 - 02/28/2023**

Tom VanOsdol serves as president and CEO of Ascension Florida and Gulf Coast. In his role, he has the daily clinical, operational, strategic and financial responsibility for Ascension's Florida and Gulf Coast Ministry Market, which includes the Sacred Heart Health System and the Studer Family Children's Hospital based in Pensacola and the Florida panhandle, the St. Vincent's Health System based in Jacksonville, and Providence Hospital in Mobile, Alabama.

As a Fellow in the American College of Healthcare Executives, Tom began his healthcare career in direct clinical patient care as a speech-language pathologist in 1988. He earned undergraduate and graduate degrees from Ball State University, Indiana Wesleyan University, and the Mendoza College of Business at the University of Notre Dame. Tom also earned his LEAN Six-Sigma certification from Purdue University, and a two-year graduate certificate in theology and formation for Catholic healthcare ministry leadership from the Aquinas Institute in St. Louis.

Throughout his career, Tom has held multiple administrative and executive leadership roles along with numerous local Board and community service appointments. Prior to relocating to Florida with Ascension in 2015, Tom served as a regional president with responsibility for multiple hospitals and state-wide service lines for Ascension St. Vincent Health in Indiana.

Tom and his wife, Kathy, have been married for 30 years and have a 26-year-old daughter who is an attorney in Indiana, and a 23-year-old son who is a senior at Columbia College in Chicago.





# **SUPPLEMENTAL CUSTOMER INFORMATION**



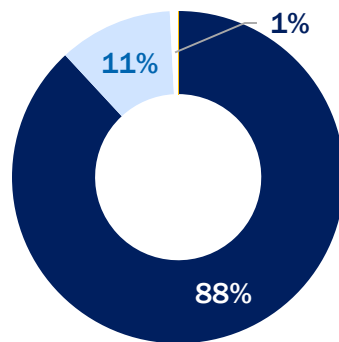
# ELECTRIC SYSTEM CUSTOMER BREAKDOWN

## Average Number of Customer Accounts

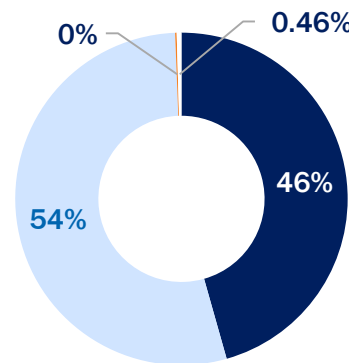


## Top Ten Customer Accounts

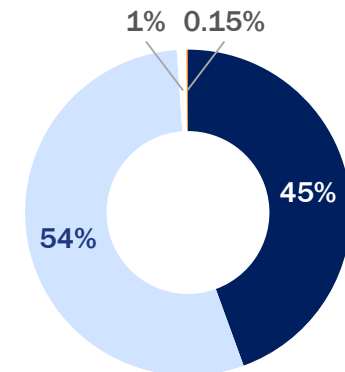
Account	Annual Billed	% of Revenue
U S NAVY PUBLIC WORKS CTR	\$ 23,115,160	1.9%
CITY OF JACKSONVILLE	21,632,264	1.8%
CMC STEEL US LLC	\$ 17,959,184	1.5%
DUVAL CO SCHOOL DISTRICT	12,505,928	1.0%
WESTROCK CP LLC	\$ 11,570,832	1.0%
SOUTHERN BAPTIST HOSPITAL OF FLORIDA INC	8,463,825	0.7%
PUBLIX SUPER MARKETS INC	\$ 7,669,557	0.6%
JOHNSON AND JOHNSON VISION CARE INC	7,602,803	0.6%
MAYO CLINIC JACKSONVILLE	\$ 7,560,936	0.6%
ANHEUSER BUSCH CO INC	6,806,829	0.6%
<b>TOTAL BILLED</b>	<b>\$ 124,887,318.22</b>	<b>10%</b>



**Average Number of Accounts**  
485,000



**System Sales (MWh)**  
12,202,973



**Revenues (\$ in millions)**  
\$1,194

Residential
  Commercial & Industrial
  Public Street Lighting
  Sales for resale - Off system



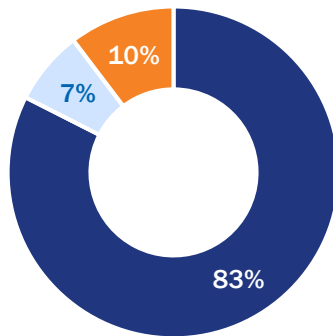
# WATER SYSTEM CUSTOMER BREAKDOWN

## Average Number of Customer Accounts

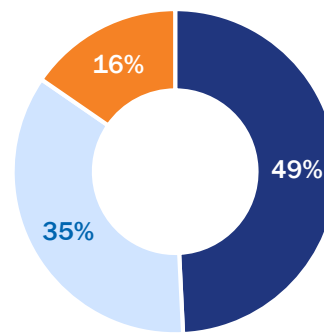


## Top Ten Customer Accounts

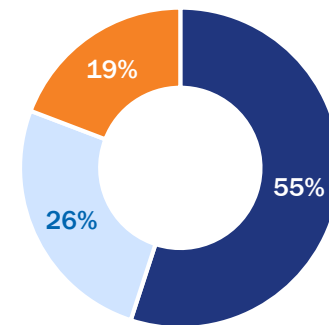
Account	Annual Billed	% of Revenue
CITY OF JACKSONVILLE	\$ 2,230,429	1.1%
DUVAL CO SCHOOL DISTRICT	1,030,004	0.5%
ST JOHNS COUNTY UTILITY	\$ 987,768	0.5%
AMERICAN HOMES 4 RENT LP	686,135	0.3%
SOUTHERN BAPTIST HOSPITAL OF FLORIDA INC	\$ 676,419	0.3%
THE AMERICAN BOTTLING COMPANY	408,186	0.2%
MID-AMERICA APARTMENTS L P	\$ 400,333	0.2%
JOHNSON AND JOHNSON VISION CARE INC	392,400	0.2%
ST VINCENTS HEALTH SYSTEM INC	\$ 357,138	0.2%
DR HORTON INC JACKSONVILLE	351,021	0.2%
<b>TOTAL BILLED</b>	<b>\$ 7,519,832.52</b>	<b>4%</b>



**Average Number of Accounts**  
363,597



**System Sales (kgal)**  
38,271,797

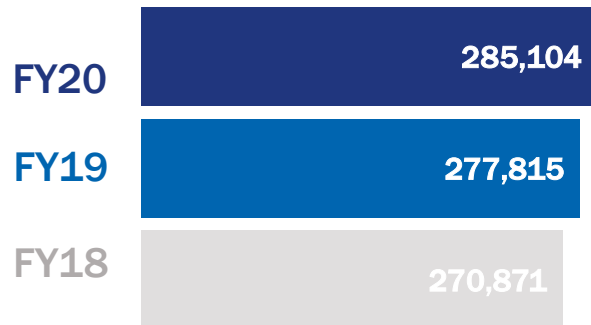


**Revenues (\$ in millions)**  
\$182

■ Residential
 ■ Commercial & Industrial
 ■ Irrigation

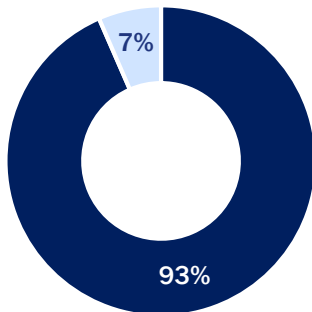
# WASTEWATER SYSTEM CUSTOMER BREAKDOWN

## Average Number of Customer Accounts

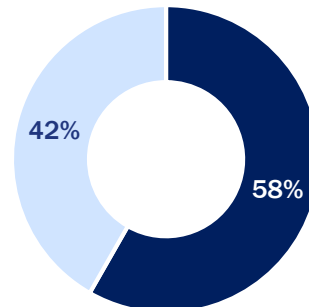


## Top Ten Customer Accounts

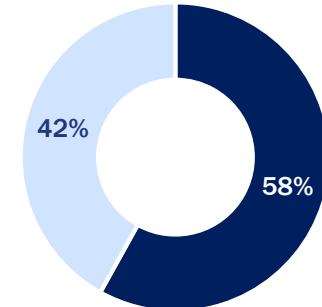
Account	Annual Billed	% of Revenue
CITY OF JACKSONVILLE	\$ 2,557,685	1.0%
DUVAL CO SCHOOL DISTRICT	1,815,401	0.7%
ST JOHNS COUNTY UTILITY	\$ 1,714,382	0.7%
SYMRISE INC	1,321,261	0.5%
WWF OPERATING COMPANY	\$ 1,131,248	0.4%
THE AMERICAN BOTTLING COMPANY	1,121,012	0.4%
SOUTHERN BAPTIST HOSPITAL OF FLORIDA INC	\$ 1,108,124	0.4%
JOHNSON AND JOHNSON VISION CARE INC	1,083,633	0.4%
MAYO CLINIC JACKSONVILLE	\$ 965,027	0.4%
AMERICAN HOMES 4 RENT LP	875,477	0.3%
<b>TOTAL BILLED</b>	<b>\$ 13,693,249.93</b>	<b>5%</b>



**Average Number of Accounts**  
285,104



**System Sales (kgal)**  
28,160,202



**Revenues (\$ in millions)**  
\$262

■ Residential    ■ Commercial & Industrial





# **SUPPLEMENTAL FINANCIAL INFORMATION**



# APPENDIX: ELECTRIC PROJECTIONS

DEBT SERVICE COVERAGE PROJECTIONS	Actual	Projection	Projection	Projection	Projection	Projection
OPERATING REVENUES:	Fiscal Year 2020	Fiscal Year 2021	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025
Base Rate System Revenues	767,796,899	755,461,781	791,722,637	826,948,578	838,420,458	850,051,010
Fuel Rate System Revenues	369,486,170	386,404,691	350,886,502	327,142,422	327,144,745	327,149,202
Off System Sales Revenues	436,235	3,053,808	3,058,092	1,841,679	1,907,648	1,689,769
Uncollectibles	(3,627,700)	(2,482,193)	(1,821,000)	(1,838,132)	(1,861,066)	(1,884,321)
Franchise and Gross Receipts Taxes	58,805,717	58,969,672	58,819,908	59,560,026	60,150,746	60,755,872
Investment Income	6,057,272	6,395,067	5,452,403	4,307,216	4,305,117	4,124,338
Other Revenues	24,864,133	26,754,614	24,869,455	20,115,612	20,287,594	17,337,659
Net Amt (Paid Into)/Rec'd From Rate Stabilization Fund	53,182,268	44,098,510	(816,356)	(27,589,437)	(6,062,740)	(5,823,062)
Net Amt (Paid Into) Rec'd From Fuel Reserve	(26,195,649)	(14,830,325)	(93,597)	9,983,616	6,069,342	5,033,463
<b>Total Operating Revenues</b>	<b>\$ 1,250,805,346</b>	<b>\$ 1,263,825,626</b>	<b>\$ 1,232,078,043</b>	<b>\$ 1,220,471,580</b>	<b>\$ 1,250,361,846</b>	<b>\$ 1,258,433,930</b>
OPERATING EXPENSES:						
O&M incl PSC Fee	222,584,690	234,925,366	237,517,527	248,213,374	255,532,451	263,070,585
Fuel and Purchased Energy	271,163,578	291,414,425	269,504,850	245,809,922	246,880,402	246,573,474
Non-Fuel Purchased Power	164,362,033	189,696,037	257,461,809	314,254,753	317,724,678	318,532,164
Franchise and Gross Receipts Taxes	58,805,717	59,164,250	59,021,295	59,768,462	60,366,478	60,979,154
<b>Total Operating Expenses</b>	<b>\$ 716,916,017</b>	<b>\$ 775,200,077</b>	<b>\$ 823,505,482</b>	<b>\$ 868,046,511</b>	<b>\$ 880,504,009</b>	<b>\$ 889,155,377</b>
<b>Net Revenues</b>	<b>\$ 533,889,329</b>	<b>\$ 488,625,549</b>	<b>\$ 408,572,561</b>	<b>\$ 352,425,069</b>	<b>\$ 369,857,836</b>	<b>\$ 369,278,552</b>
OTHER DEDUCTIONS						
<b>JEA's Total Debt Service</b>	<b>111,506,499</b>	<b>108,176,674</b>	<b>93,892,584</b>	<b>63,350,499</b>	<b>74,423,473</b>	<b>80,313,603</b>
Contribution To City	93,870,968	93,609,555	95,757,774	96,715,352	97,682,506	98,659,331
<b>SENIOR AND SUBORDINATED DEBT SERVICE COVERAGE</b>	<b>4.79 x</b>	<b>4.52 x</b>	<b>4.35 x</b>	<b>5.56 x</b>	<b>4.97 x</b>	<b>4.60 x</b>
<b>ADJUSTED DEBT SERVICE COVERAGE</b>	<b>3.95 x</b>	<b>3.65 x</b>	<b>3.33 x</b>	<b>4.04 x</b>	<b>3.66 x</b>	<b>3.37 x</b>
<b>FIXED COVERAGE with PPA Contract Payments</b>	<b>2.98 x</b>	<b>2.66 x</b>	<b>2.10 x</b>	<b>1.91 x</b>	<b>1.85 x</b>	<b>1.80 x</b>
SJRPP & Scherer Debt Service Payments	33,566,021	31,997,549	23,595,057	20,283,903	20,232,338	20,190,345
Nuclear Debt Service Payments	20,544,386	32,247,828	81,308,856	126,974,986	137,391,387	137,876,825
System Sales excl FPU	12,184,561	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000
FPU Sales	0	0	0	0	0	0
<b>TERRITORIAL SYSTEM MWH SALES</b>	<b>12,184,561</b>	<b>12,000,000</b>	<b>12,000,000</b>	<b>12,000,000</b>	<b>12,000,000</b>	<b>12,000,000</b>
<b>Growth Rate: System MWH Sales (%)</b>	<b>1.12%</b>	<b>-1.51%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>
<b>OFF SYSTEM MWH SALES</b>	<b>18,412</b>	<b>150,200</b>	<b>158,700</b>	<b>188,900</b>	<b>245,500</b>	<b>267,600</b>
<b>TOTAL MWH SALES</b>	<b>12,202,973</b>	<b>12,150,200</b>	<b>12,158,700</b>	<b>12,188,900</b>	<b>12,245,500</b>	<b>12,267,600</b>

\*Includes customer refunds of overcollections or possible fuel rate adjustments

# APPENDIX: WATER & WASTEWATER PROJECTIONS

DEBT SERVICE COVERAGE PROJECTIONS	Actual	Projection	Projection	Projection	Projection	Projection
OPERATING REVENUES:	Fiscal Year 2020	Fiscal Year 2021	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Fiscal Year 2025
Water Sales	163,749,248	162,227,160	168,364,804	170,890,276	173,453,630	178,813,653
Sewer Sales	244,938,695	244,752,433	252,475,792	256,262,928	260,106,872	270,205,673
Reclaimed Sales	19,700,763	18,620,951	22,499,944	24,728,002	27,178,866	30,654,194
Environmental Sales	25,676,568	26,455,000	26,408,821	26,930,962	27,473,901	28,039,248
Franchise Fee Revenues	10,963,347	10,914,823	11,342,037	11,560,858	11,787,846	12,258,659
Uncollectibles	(1,372,413)	(1,356,167)	(939,499)	(957,624)	(976,427)	(1,015,426)
Capacity Fees	21,686,431	19,396,180	19,784,103	19,784,103	19,784,103	19,784,103
Extension Fees: Growth	11,171,798	9,991,971	10,191,811	10,191,811	10,191,811	10,191,811
Investment Income	2,879,296	2,979,420	330,690	389,051	524,374	587,188
Amounts Paid From Rate Stabilization Fund into Revenue Fund	32,200,411	31,044,422	40,078,906	33,264,061	34,457,287	46,511,101
Amounts Paid From Revenue Fund into Rate Stabilization Fund	(25,676,568)	(26,455,000)	(26,408,821)	(26,930,962)	(27,473,901)	(28,039,248)
Other Revenues net of Uncollectibles	13,940,874	12,148,558	12,270,086	12,392,829	12,516,800	12,642,010
<b>Total Operating Revenues</b>	<b>\$ 519,858,450</b>	<b>\$ 510,719,751</b>	<b>\$ 536,398,674</b>	<b>\$ 538,506,295</b>	<b>\$ 549,025,162</b>	<b>\$ 580,632,967</b>
<b>OPERATING EXPENSES:</b>						
Operations and Maintenance Expenses	175,710,883	179,276,745	194,631,667	197,743,507	203,215,807	209,139,740
Franchise Fee Taxes	10,963,588	10,914,823	11,342,037	11,560,858	11,787,846	12,258,659
<b>Total Operating Expenses</b>	<b>\$ 186,674,470</b>	<b>\$ 190,191,567</b>	<b>\$ 205,973,704</b>	<b>\$ 209,304,365</b>	<b>\$ 215,003,654</b>	<b>\$ 221,398,399</b>
<b>Net Revenues</b>	<b>\$ 333,183,979</b>	<b>\$ 320,528,183</b>	<b>\$ 330,424,970</b>	<b>\$ 329,201,930</b>	<b>\$ 334,021,508</b>	<b>\$ 359,234,568</b>
<b>OTHER DEDUCTIONS:</b>						
<b>JEA's Total Debt Service</b>	<b>79,556,502</b>	<b>59,156,643</b>	<b>67,984,187</b>	<b>119,905,436</b>	<b>127,132,600</b>	<b>131,041,919</b>
Contribution to City	24,953,042	26,402,695	27,955,884	28,560,169	29,176,360	29,804,654
<b>SENIOR DEBT SERVICE COVERAGE</b>	<b>5.58 x</b>	<b>6.1 x</b>	<b>5.46 x</b>	<b>3.08 x</b>	<b>2.95 x</b>	<b>3.08 x</b>
<b>SENIOR AND SUBORDINATED DEBT SERVICE COVERAGE</b>	<b>4.96 x</b>	<b>5.42 x</b>	<b>4.86 x</b>	<b>2.75 x</b>	<b>2.63 x</b>	<b>2.74 x</b>
<b>FIXED COVERAGE</b>	<b>4.59 x</b>	<b>4.97 x</b>	<b>4.45 x</b>	<b>2.51 x</b>	<b>2.4 x</b>	<b>2.51 x</b>
WATER SALES (KGALS)	38,271,797	38,500,000	39,077,500	39,663,663	40,258,617	40,862,497
Growth Rate		0.6%	1.5%	1.5%	1.5%	1.5%
SEWER SALES (KGALS)	28,160,202	28,500,000	28,927,500	29,361,413	29,801,834	30,248,861
Growth Rate		1.2%	1.5%	1.5%	1.5%	1.5%
RECLAIMED WATER SALES (KGALS)	4,470,896	4,500,000	4,882,748	5,303,770	5,766,895	6,276,332
Growth Rate		0.7%	8.5%	8.6%	8.7%	8.8%



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