

JEA BOARD MEETING AGENDA

September 18, 2018 • 12:00 p.m.

21 W. Church Street, 19th Floor



I. WELCOME	
A.	Call to Order
B.	Time of Reflection
C.	Pledge to Flag
D.	Adoption of the Agenda – Action
E.	Safety Briefing – Aaron Zahn, Interim Managing Director/CEO
F.	Sunshine Law/Public Records Statement – Jody Brooks, Vice President & Chief Legal Officer

II. COMMENTS / PRESENTATIONS		
Item(s)	Speaker/Title	
A.	Comments from the Public	Public
B.	Council Liaison’s Comments	Council Member Matt Schellenberg
C.	Office of the Mayor Liaison’s Comments	Dr. Johnny Gaffney

III. OPERATIONS (DISCUSSION / ACTION)			
Definition: The “Operations” section of the Board Meeting is for business matters requiring Board discussion and action.			
Item(s)	Speaker/Title		Discussion Action/Information
A.	Consent Agenda – The Consent Agenda consists of agenda items that require Board approval but are routine in nature, or have been discussed in previous public meetings of the Board. The Consent Agenda items require no explanation, discussion or presentation, and are approved by one motion and vote.		
	Consent Agenda Reference Material (Provided in Appendices)		
	Appendix A:	Board Meeting Minutes August 21, 2018	Action
	Appendix B:	Monthly Financial Statements	Information
	Appendix C:	2019 Final Board of Directors Meeting Schedule	Information
	Appendix D:	Monthly FY18 Communications & Engagement Calendar and Plan Update	Information
	Appendix E:	Follow-up Information on Breakdown of Water Use	Information
B.	Monthly Financial and Operations Update	Melissa Dykes, President/COO & Ryan Wannemacher, Interim CFO	Information
C.	Strategic Planning Consultant Selection	Aaron Zahn, Interim MD/CEO	Action
D.	Regulatory Action Approval Postemployment Benefits Other Than Pensions	Ryan Wannemacher, Interim CFO	Action
E.	Reclassification of SJRPP Expenses	Ryan Wannemacher, Interim CFO	Action

IV.	STRATEGY (DISCUSSION ONLY)	
	Definition: The “Strategy” section of the Board Meeting is <u>only</u> for discussion & feedback to management on strategic initiatives of and for JEA.	
	Item(s)	
	A.	Fuel Strategy
B.	Transition Update	
		Speaker/Title
		Ryan Wannemacher, Interim CFO
		Aaron Zahn, Interim Managing Director/CEO

V.	SUBJECT MATTER EXPLORATION (OPPORTUNITIES & RISKS – PRESENTATION)	
	Definition: The “Subject Matter Exploration” section of the Board Meeting will be used to brief the Board Members on market, environment, business or other generally important matters. Staff and/or 3 rd party experts will provide presentations on a specific subject and the Board will be afforded an opportunity for Q&A at the end.	
	Item(s)	
	A.	Electrification
		Speaker/Title
		Kerri Stewart, Vice President & Chief Customer Officer

VI.	OTHER BUSINESS	
	Item(s)	
	A.	Old Business
	B.	Other New Business
	C.	Open Discussion
	D.	Interim Managing Director/CEO’s Report
	E.	Chair’s Report
		Speaker/Title
		Aaron Zahn, Interim Managing Director/CEO
		Alan Howard, Board Chair

VII.	CLOSING CONSIDERATIONS	
	Item(s)	
	A.	Announcements – Next Board Meeting October 16, 2018
	B.	Adjournment

Board Calendar	
Board Meetings: 12:00 p.m. – Third Tuesday of Every Month (exception(s): November 27, 2018 and December 11, 2018)	
Committees: Finance & Audit Committee: December 3, 2018	
CEO Search Committee: October 17, 2018	
Compensation Committee: TBD	
Government, Legal and Real Estate Affairs Committee: TBD	

I. F.

Sunshine Law/Public Records Statement

Florida's Government in the Sunshine Law
Office of General Counsel

This meeting is being held in compliance with Florida's Government in the Sunshine Law, §286.011, Florida Statutes, and shall be open to the public at all times. Official acts of the JEA Board may be conducted at this meeting that will be considered binding on the JEA. Reasonable notice has been provided and minutes of this meeting shall be taken and promptly recorded.

III. B.

Monthly Financial and Operations Update

III. B.

Monthly Financial and Operations Update

Due to the financial closing date, the Monthly Financial and Operations Update will be provided prior to the September 18, 2018 JEA Board Meeting.

A hard copy will also be placed at your seat.

III. C.

Strategic Planning Consultant Selection

III. C.

Strategic Planning Consultant Selection

This agenda item will be made available electronically on
Monday, September 17, 2018.

A hard copy will be placed at your seat at the Board Meeting.

III. D.

Regulatory Action Approval Postemployment Benefits Other Than Pensions



Building Community

AGENDA ITEM SUMMARY

III. .
09/18/2018

August 30, 2018

SUBJECT:	REGULATORY ACTION APPROVAL POSTEMPLOYMENT BENEFITS OTHER THAN PENSIONS
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Purpose:	<input type="checkbox"/> Information Only	<input checked="" type="checkbox"/> Action Required	<input type="checkbox"/> Advice/Direction
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Issue: At the March 2015 meeting, the Board approved implementation of the Governmental Accounting Standards Board (GASB) alternative accounting methods called “Regulatory Accounting”, as prescribed under paragraphs 476-500 of Governmental Accounting Standards Board 62, Regulated Operations. As outlined in the Pricing Policy, all regulatory actions by JEA are presented to the Board for approval.

Significance: Regulatory action approval recognizes commitments by regulatory bodies responsible for rates, (such as JEA’s Board of Directors), to collect revenues to cover specific categories of expenses and treats those commitments as assets or liabilities on Statement of Net Position (Balance Sheet).

Effect: Establishing these regulatory balance sheet items and their inclusion in rates can occur only at the direction of the Board.

Cost or Benefit: These regulatory accounting actions align our Generally Accepted Accounting Principles (GAAP) reporting with debt service coverage calculations reporting and Utility Basis methodology for establishing revenue requirements.

Recommended Board action: Staff recommends that the Board approve the establishment of Other Postemployment Benefits (OPEB) liability and deferral of changes in the related net OPEB liability as regulatory items. In addition, staff recommends that annual OPEB contributions (funding) be included as a cost in developing the annual revenue requirements for the establishment of customer rates.

For additional information, contact: Janice Nelson, 665-6442.

Submitted by: AFZ/RFW/JRN

MISSION	VISION	VALUES
		
Energizing our community through high-value energy and water solutions.	JEA is a premier service provider, valued asset and vital partner in advancing our community.	<ul style="list-style-type: none"> • Safety • Service • Growth? • Accountability • Integrity

Commitments to Action

- 1** Earn Customer Loyalty
- 2** Deliver Business Excellence
- 3** Develop an Unbeatable Team



III. .
09/18/2018

INTER-OFFICE MEMORANDUM

August 30, 2018

SUBJECT: REGULATORY ACTION APPROVAL POSTEMPLOYMENT BENEFITS
OTHER THAN PENSIONS

FROM: Aaron F. Zahn, Interim Managing Director/CEO

TO: JEA Board of Directors

BACKGROUND:

At the March 2015 meeting, the Board approved implementation of the Governmental Accounting Standards Board (GASB) alternative accounting methods called "Regulatory Accounting", as prescribed under paragraphs 476-500 of Governmental Accounting Standards Board 62, Regulated Operations. Accordingly, certain revenues and costs may be deferred to the Statement of Net Position (Balance Sheet) as regulatory assets or liabilities that would otherwise be charged to revenue or expense under Generally Accepted Accounting Principles (GAAP). As outlined in the Pricing Policy, all regulatory actions by JEA are presented to the Board for approval.

DISCUSSION:

GASB 75, Financial Reporting for Postemployment Benefit Plans Other Than Pensions Plans (OPEB), establishes new accounting and financial reporting requirements for OPEB plans. Effective for fiscal year ending September 30, 2018, JEA will be required to record a net OPEB liability on its Balance Sheet. The liability is determined through an actuarial valuation and requires the liability to be measured as the portion of the present value of the projected benefit payments to be provided to current active and inactive employees that is attributed to the employees' past service, less the amount of the OPEB plan's fiduciary net position (market value of the assets). In addition, an OPEB expense will be required to be recorded in the Statement of Changes in Net Position (Income Statement) to recognize most changes in the OPEB liability in the current period. This is similar to what happened in GASB 67 and GASB 68 related to accounting for pensions.

JEA maintains medical benefits plans that it makes available to retirees. Retired members pay the full premium associated with the health coverage elected. There is no direct JEA subsidiary; however, there is an implicit cost. Florida law prohibits JEA from separately rating retirees and active employees. Therefore, JEA assigns to both groups blended-rate premiums. GAAP requires the actuarial liabilities to be calculated using age-adjusted premiums approximating claim costs for retirees separate from active members.

Through regulatory accounting, a regulatory asset will be recorded rather than a direct subtraction from JEA's net position when the net OPEB liability is recorded on JEA's Balance Sheet representing the Board's commitment to recover the unfunded OPEB liability from ratepayers in the future. In addition, the related changes in the OPEB liability, which would normally be required to be included in the Income Statement as current period OPEB expense, will be deferred as regulatory items. This will reduce the volatility of recognition of OPEB expense. It will also align our GAAP reporting with debt service coverage calculations reporting and Utility Basis methodology for establishing revenues requirements.

RECOMMENDATION:

Staff recommends that the Board approve the establishment of OPEB liability and deferral of changes in the related net OPEB liability as regulatory items. In addition, staff recommends that annual OPEB

contributions (funding) be included as a cost in developing the annual revenue requirements for the establishment of customer rates.

Aaron F. Zahn, Interim Managing Director/CEO

AFZ/RFW/JRN

III. E.

Reclassification of SJRPP Expenses



Building Community

AGENDA ITEM SUMMARY

III. .
09/18/2018

September 4, 2018

SUBJECT:	RECLASSIFICATION OF SJRPP EXPENSES
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Purpose:	<input type="checkbox"/> Information Only	<input checked="" type="checkbox"/> Action Required	<input type="checkbox"/> Advice/Direction
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Issue: JEA is incurring \$25 million worth of expenses (\$14 million in FY18) related to the termination of transportation agreements, the termination of rail-car leases and repairs, and fuel disposal. In the normal course of business, these type of expenses would be recorded as a fuel expense and paid from fuel revenues, as outlined in the Pricing Policy. However, because these one-time expenses are associated with the shutdown of SJRPP, it is recommended that they be charged as Non-fuel Purchased Power expenses.

Significance: High.

Effect: This reclassification will increase O&M Expenses and will reduce Fuel Expenses.

Cost or Benefit: N/A

Recommended Board action: Staff recommends the Board approve the reclassification of one-time expenses related to the shut-down of SJRPP from Fuel Expense to Operations and Maintenance Expense.

For additional information, contact: Ryan Wannemacher

Submitted by: AFZ/ RFW/ JEC

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Commitments to Action

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III. .
09/18/2018

INTER-OFFICE MEMORANDUM

September 4, 2018

SUBJECT: RECLASSIFICATION OF SJRPP EXPENSES

FROM: Aaron F. Zahn, Interim Managing Director/CEO

TO: JEA Board of Directors

BACKGROUND:

In January 2018, JEA ceased commercial operations at the St. Johns River Power Park following an executed agreement with FPL. While the shut-down of SJRPP will provide long-term annual savings to JEA, there are one-time expenses incurred.

DISCUSSION:

JEA is incurring \$25 million worth of expenses (\$14 million in FY18) related to the termination of transportation agreements, the termination of rail-car leases and repairs, and fuel disposal.

In the normal course of business, these type of expenses would be recorded as a fuel expense and paid from fuel revenues, as outlined in the Pricing Policy. However, because these one-time expenses are associated with the shutdown of SJRPP, it is recommended that they be charged as Non-fuel Purchased Power expenses. This reclassification will increase O&M Expenses and will reduce Fuel Expenses.

RECOMMENDATION:

Staff recommends the Board approve the reclassification of one-time expenses related to the shut-down of SJRPP from Fuel Expense to Operations and Maintenance Expense.

Aaron F. Zahn, Interim Managing Director/CEO

AFZ/RFW/JEC

IV. A.

Fuel Strategy



Building Community

AGENDA ITEM SUMMARY

I . A.
09/18/2018

September 4, 2018

SUBJECT:	FUEL STRATEGY
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Purpose:	<input checked="" type="checkbox"/> Information Only	<input type="checkbox"/> Action Required	<input type="checkbox"/> Advice/Direction
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Issue: The Fuel Stabilization Fund (FSF) was established to allow for a stable Fuel Charge through commodity market swings. The JEA Pricing Policy states "The target balance in the Fuel Stabilization Fund is equal to 15% of the greater of (i) the maximum 12-month historical fuel cost or (ii) the projected 12-month fuel cost." Currently, the maximum 12-month historical fuel cost was in 2011 at \$630 million rendering a \$95 million target balance. The current projected FSF balance for FY18 is \$63 million and \$48 million for the end of FY19.

Significance: High.

Effect: The Board and public will be informed of the proposed modifications to JEA's Pricing Policy and fuel strategy.

Cost or Benefit: Transparency of JEA's fuel strategy.

Recommended Board action: Staff will bring recommendations on revisions to the Pricing Policy based on Board discussion, at the next scheduled meeting. Staff will continue to explore Prepay Gas arrangements and bring recommendations to the Board for approval as required.

For additional information, contact: Ryan Wannemacher

Submitted by: AFZ/ RFW/ JEC

MISSION		VISION		VALUES	
Energizing our community through high-value energy and water solutions.		JEA is a premier service provider, valued asset and vital partner in advancing our community.		<ul style="list-style-type: none"> • Safety • Service • Growth? • Accountability • Integrity 	

Commitments to Action

- 1 Earn Customer Loyalty
- 2 Deliver Business Excellence
- 3 Develop an Unbeatable Team



INTER-OFFICE MEMORANDUM

September 4, 2018

SUBJECT: **FUEL STRATEGY**

FROM: Aaron F. Zahn, Interim Managing Director/CEO

TO: JEA Board of Directors

BACKGROUND:

The Fuel Stabilization Fund (FSF) was established to allow for a stable Fuel Charge through commodity market swings. The JEA Pricing Policy states “The target balance in the Fuel Stabilization Fund is equal to 15% of the greater of (i) the maximum 12-month historical fuel cost or (ii) the projected 12-month fuel cost.” Currently, the maximum 12-month historical fuel cost was in 2011 at \$630 million rendering a \$95 million target balance. The current projected FSF balance for FY18 is \$63 million and \$48 million for the end of FY19.

The draw down on the FSF was initially planned with the one-time Fuel Credits given to customers in response to an overfunded FSF in FY13-16. Lower fuel cost projections led to adjusting the Fuel Charge in FY16 and FY17.

However, part of the most recent draw down of the FSF was not planned. Commodity prices have increased above projections and one-time expenses related to SJRPP have negatively impacted the balance.

DISCUSSION:

Management is currently utilizing several strategic levers:

Hedging strategy – JEA is currently implementing natural gas hedge strategies for 2020 and 2021 targeting up to 50% of average annual expected volume, with plans to execute 2019 when economic. The strategy includes targeting gas prices at or below the basis for the current Fuel Charge. The current plan encompasses a +3 year window as long as outlook is favorable, which is approximately the limit of the marketplace. Staff is assessing physical needs monthly, along with intra-month price targets. There are also plans to renew/replace the Shell contract with a similar supply.

Expense reclassification – Staff has requested a reclassification of one-time SJRPP expenses related to the shutdown. These expenses were classified as fuel expenses, and will be reclassified as operations and maintenance expenses, providing relief to the FSF.

Fuel diversity – Renewable Power Purchase Agreements offer a natural hedge on fuel prices. JEA’s increased solar portfolio will help stabilize the Fuel Charge. Solid fuel, with ability to switch, is also a natural hedge on natural gas prices.

Gas prepay contracts – Staff is currently investigating various gas prepay arrangements. These transactions allow municipal utilities to enter into contracts for long-term supplies of natural gas. These could offer potential savings of \$0.30/MMBTU less than index prices (\$2.00 to \$3.00/MWh on gas generation).

Alternate byproduct disposal – This will offer a lower cost to the current program.

Distributed energy resources – There is peak shaving potential of DER, i.e. batteries controlled by JEA.

To remedy the underfunded Fuel Stabilization Fund, staff has explored the following:

Revise the Pricing Policy – The current target found in the Pricing Policy is no longer relevant based on the following changes to JEA: 1) the historical highest fuel cost in 2011 was a year of high sales, 12,870 GWh, FY17 ended at 12,050 GWh. 2) JEA has a substantially different fuel mix than in 2011, mainly due to the closure of SJRPP. 3) 2011 was prior to the shale gas boom that dropped market pricing.

Staff recommends adjusting the target balance for the FSF to 15% of the greater of (i) the maximum fiscal year fuel cost in the preceding 5 fiscal years or (ii) the projected fiscal year fuel cost. This would lower the target to approximately \$75 million. This lower target will allow Fuel Charge stability. It will lower reserves, marginally impacting liquidity metrics, however the projected metrics exceed the current Pricing Policy targets.

Fuel Charge – The Fuel Charge can be adjusted at Board direction to collect the deficit in the FSF. The FSF fund and projected fuel expenses will continue to be monitored. If the market swings, staff will request the Board increase the Fuel Charge to maintain the new FSF target level. Fuel Charge increases impact all electric customer bills.

RECOMMENDATION:

Staff will bring recommendations on revisions to the Pricing Policy based on Board discussion, at the next scheduled meeting. Staff will continue to explore Prepay Gas arrangements and bring recommendations to the Board for approval as required.

AFZ/RFW/JEC

Aaron F. Zahn, Interim Managing Director/CEO



JEA®



FUEL STRATEGY

FUEL STABILIZATION FUND STATUS

The Fuel Stabilization Fund (FSF) was established in 2005 to allow for a stable Fuel Charge through commodity market swings

JEA Pricing Policy states:

“The target balance in the Fuel Stabilization Fund is equal to 15% of the greater of

- (i) the maximum 12-month historical fuel cost or
- (ii) the projected 12-month fuel cost.”

Currently, the maximum 12-month historical fuel cost was set in 2011 at \$630 million rendering a \$95 million target balance

The current projected balance for FY18 is \$63 million - \$32 million less than the target per the policy

SEPTEMBER 2018

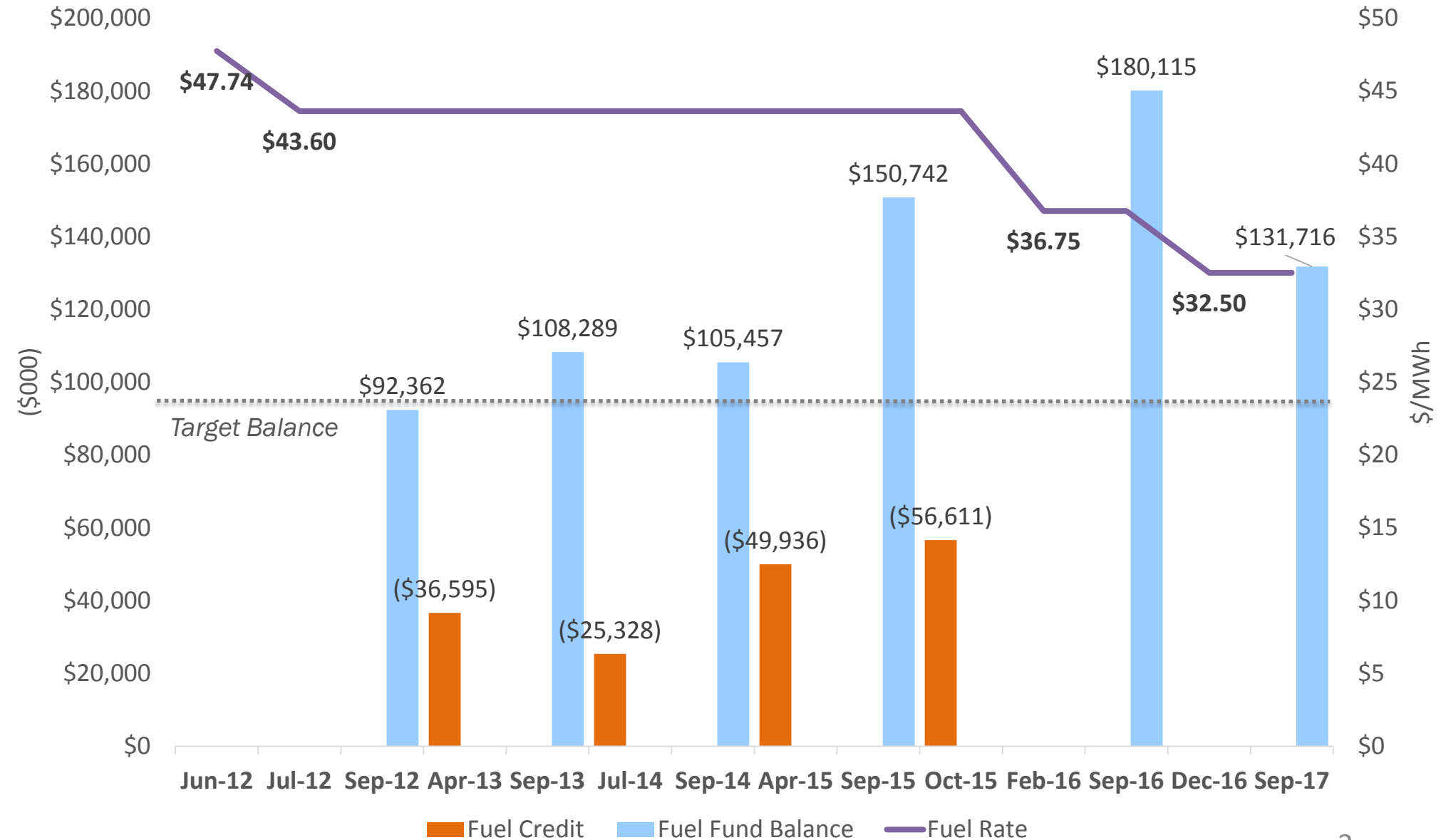


HOW DID WE GET HERE?

PART WAS PLANNED

One-time Fuel Credits were given to customers in response to an overfunded FSF

Lower fuel cost projections led to adjusting the Fuel Charge in FY16 and FY17

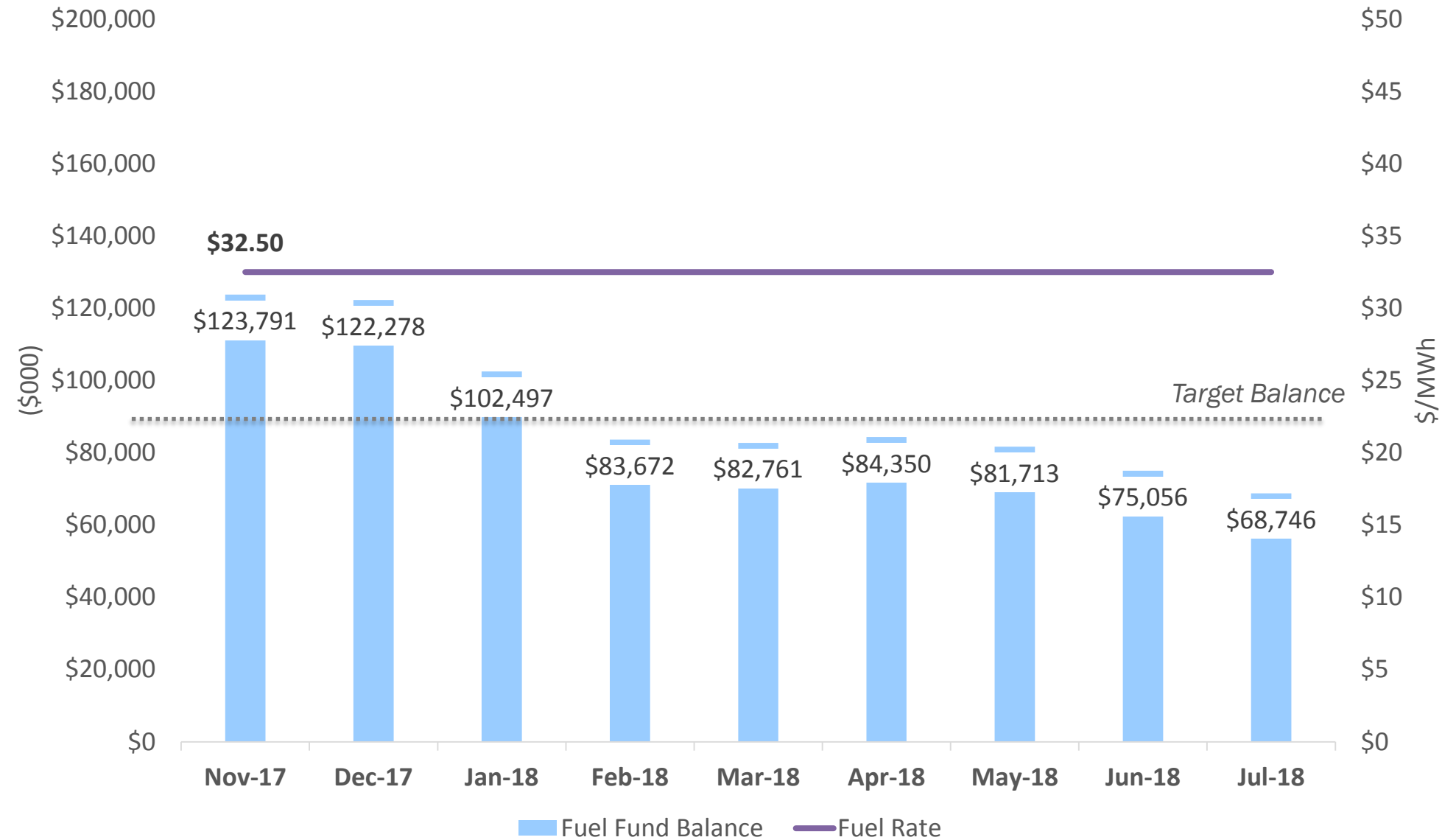


HOW DID WE GET HERE?

PART WAS NOT PLANNED

Commodity prices increased above projections

One-time expenses related to SJRPP negatively impacted the balance



WHAT IS JEA'S LONG TERM ACTION PLAN?

Hedging Strategy

- Currently implementing natural gas hedge strategies for 2020 and 2021 targeting up to 50% of average annual expected volume

Expense Reclassification

- Reclassification of one-time SJRPP expenses related to the shutdown providing relief to the FSF

Gas Prepay Contracts

- Investigating gas prepay arrangements which allow municipal utilities to contract for long-term supplies of natural gas and could offer potential savings

Fuel Diversity

- A diversified generating fleet that includes renewable PPAs and solid fuel will help stabilize rate

Distributed Energy Resources

There is peak shaving potential of DER, i.e. batteries controlled by JEA

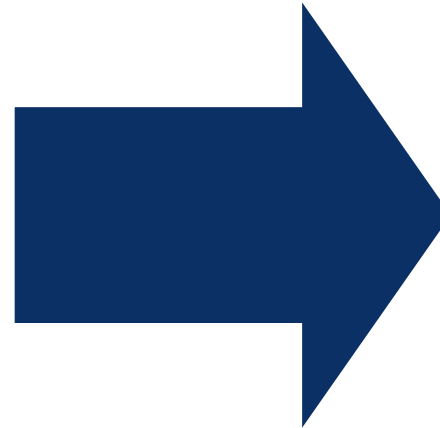
WHAT OPTIONS ARE AVAILABLE NOW?

	<u>Support</u>	<u>Recommendation</u>	<u>Impacts</u>
Update Pricing Policy	<ol style="list-style-type: none"> 1. The historical highest fuel cost in 2011 was a high sales year 2. Fuel prices are materially lower today 	<p>Adjust the target balance for the FSF to 15% of the greater of (i) the maximum fiscal year fuel cost <u>in the preceding 5 fiscal years</u> or (ii) the projected fiscal year fuel cost</p> <p>This would lower the target to approximately <u>\$75 million</u></p>	<p>This lower target will allow Fuel Charge stability</p>
Increase Fuel Charge	<p>The Fuel Charge can be adjusted at Board direction to collect the deficit in the FSF</p>	<p>Continue to monitor</p>	<p>A Fuel Charge increase will impact all electric customer bills</p>

RECOMMENDATIONS SUPPORT JEA'S STRATEGIC FRAMEWORK

Staff recommends the following course of action:

Revise Pricing Policy to target balance being the maximum fiscal year fuel cost in the preceding 5 fiscal years at the next scheduled meeting



Strategic Framework Scorecard:

Value to our Customer – these recommendations ensure near term stabilization of customer electric bills

Financial Value – these recommendations do not negatively impact financial value

Community Impact Value – stable electric rates can promote economic development

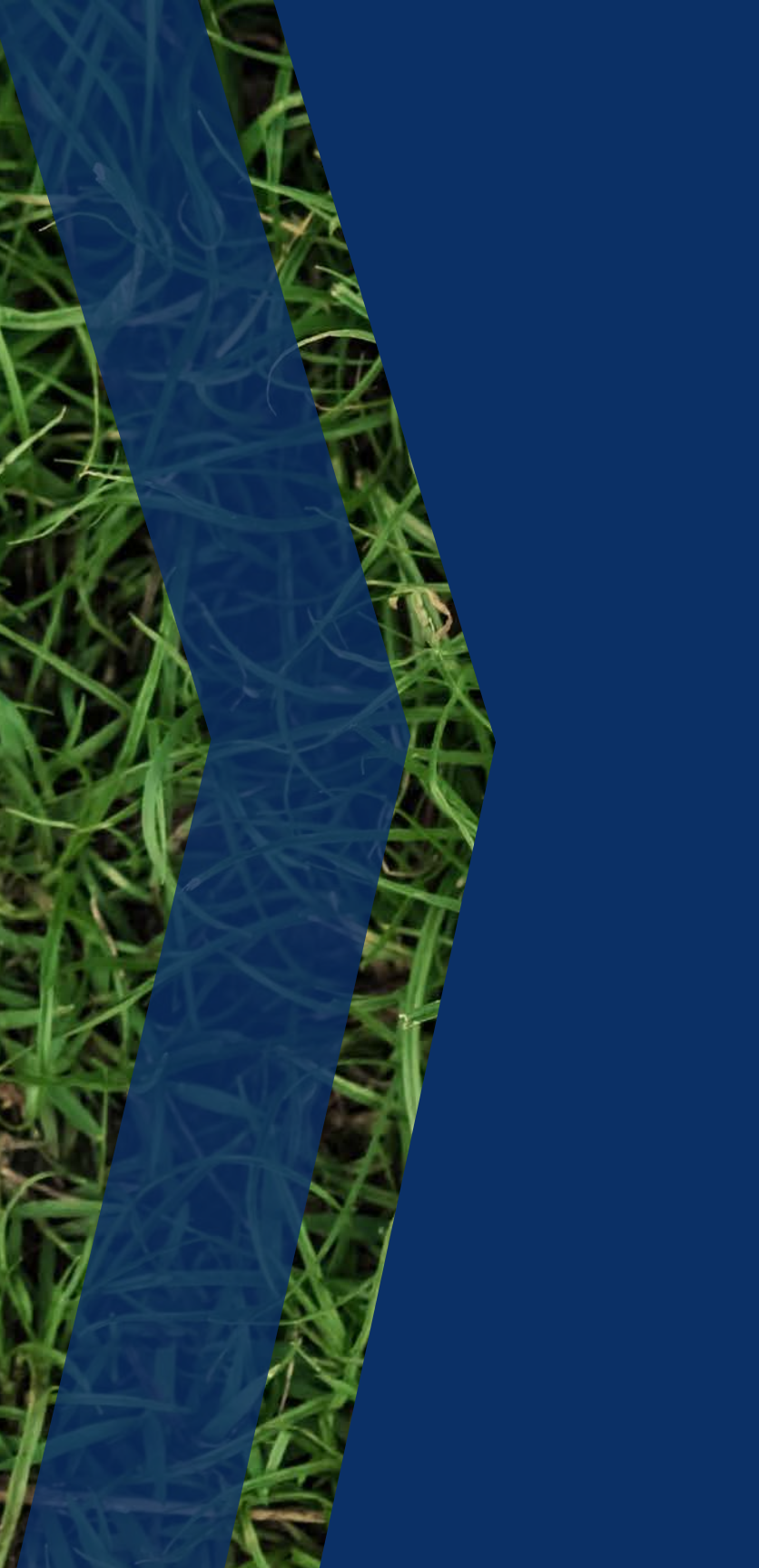
Environmental Value – N/A

SEPTEMBER 2018



QUESTIONS?

JEA®



IV. B.

Transition Update



Building Community

AGENDA ITEM SUMMARY

September 12, 2018

SUBJECT:	TRANSITION UPDATE
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Purpose:	<input checked="" type="checkbox"/> Information Only	<input type="checkbox"/> Action Required	<input type="checkbox"/> Advice/Direction
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Issue: On April 17, 2018, the Board contemplated a transition period and plan for JEA and its management (“Transition”). The Transition period contemplated by the Board was approximately 12 months starting April 17, 2018 and concluding April 30, 2019.

Significance: To provide additional clarity for the Board on the process, progress and future contemplated steps of management related to the Transition. To ensure management is aligned with the Board of Director’s relative to Transition steps and actions.

Effect: The Transition and related plan is intended to accomplish the following key initiatives: 1) establish stability and focus on JEA’s Core Business of providing electric, water, wastewater and other essential services to its customers; 2) create a ‘framework’ of understanding and measuring device for alignment of JEA’s Board, JEA’s management, City Council, the Mayor and other key stakeholders; and 3) establish a basis and foundation for a forward looking strategic planning process and permanent CEO placement.

Cost or Benefit: Long term planning and value creation for JEA.

Recommended Board action: Provided for information only.

For additional information, contact: Aaron Zahn – 904-665-4396

Submitted by: AFZ

MISSION

Energizing our community through high-value energy and water solutions.

VISION

JEA is a premier service provider, valued asset and vital partner in advancing our community.

VALUES

- Safety
- Service
- Growth?
- Accountability
- Integrity

Commitments to Action

- 1 Earn Customer Loyalty
- 2 Deliver Business Excellence
- 3 Develop an Unbeatable Team

Understand the Leaders, Organization and Culture

Engage the Board and Policy Makers

Create Alignment Framework and a Detailed Transition Plan

Execute Transition Plan and Consider Future JEA

Finalize Transition & Begin Strategic Planning and Execution

Outcomes

- ✓ Identify key themes with Board and Policy Makers for JEA
- ✓ Conduct interviews with current leaders, including Board, to gain a deeper understanding of the organization as well as identifying any “red flags”
- ✓ Publicly announce a pause to large strategic shifts in the company’s business or capitalization
- ✓ Outline objectives and agree on a customized transition process
- ✓ Organize for stability and smooth transition (e.g. CEO, COO, CFO, etc.)

- ✓ Gather input and questions from the Board, Policy Makers, Employees and Stakeholders on JEA
- ✓ Conduct interview with outgoing CEO to understand critical issues, initiatives and stakeholders that will need to be addressed
- ✓ Conduct interviews with each Board member and each Policy Maker to identify key concerns
- ✓ Conduct interviews with key employee groups to identify concerns
- ✗ Engage 3rd party drive process of CEO transition

- ✓ Create collective “framework” for alignment of City Council, Mayor, Board and leadership of JEA
- ✓ Iterative process, detail roles and responsibilities at various stages of the transition
- ✓ Develop a go forward plan and review the timetable against key business events and external considerations
- ✓ Communicate the transition plan to the organization to reduce potential confusion and set clear expectations
- ✓ Set 2018/2019 budget

- ✓ Define permanent CEO job description using “shareholder framework” (JEA Board only)
- ✓ Review division of Board related responsibilities and Board composition that may aid in transition and strategy
- ✓ Review progress with the Board and adjust as needed
- ✓ Initiate strategic plan update process
- Identify a Lead Director and/or Chairman to provide governance of strategic planning process

- ✓ Ensure the organization has clarity around roles and responsibilities
- ✗ Gap analysis of 2013 Plan with current marketplace
- ✓ Communicate the transition plan to critical external stakeholders and policy makers to reduce potential confusion and set clear expectations
- ✓ Continue cost and efficiency management
- ✓ Iteratively evaluate “core business” around growth areas, efficiencies and liability management
- ✓ Cascade 2018/2019 Key Performance Actions and Key Results

- ✗ Hire permanent CEO (JEA Board only)
 - ✗ “Bold JEA Plan”
 - ✗ Roadmap of vision and strategic plan for JEA’s future
 - ✗ Finalize senior leadership and organizational structure including permanent CEO & CSO
 - ✗ Framework as basis for common working approach for Policy Makers, Board and senior team to evaluate and implement strategy
- December 2018 – October 2019**

June 2018 – October 2018

October 2018 – December 2018

December 2018 – October 2019

Points of Progress

- **City Council and Board 1:1 meetings complete to provide input to “Strategic Framework” for JEA**
- **New format for Board agendas (Operations, Strategy and Subject Matter Exploration) created to provide better public transparency and Board interaction**
- **Iterative work with Board, SLT, City and Stakeholders to draft Strategic Framework**
- **SLT Workshops on Future of JEA**
 - Started April and ongoing in alignment with discussions with Board around Strategic Framework
 - Intend to create comprehensive draft “Guiding Principles” document for Board review that builds from the “Strategic Framework” and allows a cascade of initiatives top-to-bottom and bottom-to-top throughout JEA
- **10-Year Strategic Planning Update (Estimated start Q4 2018)**
 - JEA should be positioned with alignment, tools and systems to start strategic planning by October BOD meeting
 - Envision solid foundation to be set for Permanent CEO with work product from: (1) SLT workshops; (2) listening tour; (3) collaboration on key stakeholder reports - City Council subcommittee, JCC, DuPont, etc. (4) selection of strategic planning consultant; (5) “Strategic Framework” approved by board; (5) final 2018/2019 budget; (6) a “Guiding Principles” document; (7) updated CTR (commitment to results) process cascade throughout organization – previously CTA (commitments to action); and (7) new management dashboards with consolidated financial reporting

Points of Concern

- **Maintaining alignment of Stakeholders will be critical**
 - Value to our Customer
 - Financial Value
 - Community Impact Value
 - Environmental Value
- **Time to ‘pivot’ is critical for JEA in updating business strategy and plan**
 - Creating updated strategic plan that maps to “Strategic Framework” direction from the Board needs to be comprehensive and will more than likely be 1+ year process
 - Competitive and market pressures are persistent therefore all time is lost time
- **Culture**
 - Utilities are not built to pivot
- **Capital**
 - Leverage and pivots are like oil and water
- **City Council engagement on future Charter changes necessary to migrate business**

V. A.
Electrification



Building Community

AGENDA ITEM SUMMARY

September 12, 2018

SUBJECT:	ELECTRIFICATION
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Purpose:	<input checked="" type="checkbox"/> Information Only	<input type="checkbox"/> Action Required	<input type="checkbox"/> Advice/Direction
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Issue: With the development and launch of two electrification programs in 2014, On-Road and Off-Road Programs, JEA actualized two new revenue streams, increased JEA’s customer satisfaction and reduced greenhouse gas emissions. To expand on this success, JEA is beginning the process of conducting a broader market study, identifying the local opportunities and developing a short-term and long-term Electrification Strategic Plan to fully leverage our opportunities in this market. The Electrification Program performance is reported monthly to the Board in the operational report by the CCO.

Significance: New technologies have improved product/system energy efficiencies and significantly reduced customer’s energy requirements. Widespread use of LED and CFL light bulbs, high efficient air conditioners and high efficient washing machines reducing water heating are leading contributors to scaled energy reduction. The City Council Special Committee on the Future of JEA noted in its June 27, 2018 “Final Draft Report” that “because of the success of energy conservation measures in reducing electric and water consumption sales, JEA needs to consider expanding operations into other related business lines to diversify its revenue streams and ensure continued financial health.” Electrification programs are expected to be new revenue producing businesses.

Effect: New Electrification programs will provide additional revenue growth, put downward pressure on rates, improve JEA’s system efficiencies, and reduce JEA’s environmental footprint. These programs will provide added 1) value to the customer, 2) financial value, 3) community impact value, and 4) environmental value.

Cost or Benefit: The Electrification Strategic Plan will provide JEA with a present and future market assessment, a cost benefit analysis, and an implementation plan for short-term and long-term projects.

Recommended Board action: This item is presented for information. No action is required by the Board.

For additional information, contact: Kerri Stewart, Chief Customer Officer,

Submitted by: AFZ/MHD/MJB/SGM

MISSION	VISION	VALUES
		
Energizing our community through high-value energy and water solutions.	JEA is a premier service provider, valued asset and vital partner in advancing our community.	<ul style="list-style-type: none"> • Safety • Service • Growth² • Accountability • Integrity

Commitments to Action

- 1** Earn Customer Loyalty
- 2** Deliver Business Excellence
- 3** Develop an Unbeatable Team



Building Community

INTER-OFFICE MEMORANDUM

September 12, 2018

SUBJECT: ELECTRIFICATION

FROM: Aaron F. Zahn, Interim Managing Director/CEO

TO: JEA Board of Directors

BACKGROUND:

New technologies have improved product/system efficiencies and significantly reduced customer's energy requirements over past years. The City Council Special Committee on the Future of JEA noted in its June 27, 2018 "Final Draft Report" that "because of the success of energy conservation measures in reducing electric and water consumption sales, JEA needs to consider expanding operations into other related business lines to diversify its revenue streams and ensure continued financial health." Electrification programs are expected to be new revenue producing businesses.

DISCUSSION:

To expand on JEA's initial Electrification market success since 2014, we are beginning the process of conducting a broader market study, identifying the local opportunities and developing a short-term and long-term Electrification Strategic Plan. The Electrification Strategic Plan will provide JEA with a present and future market assessment, a cost benefit analysis, and an implementation plan for short-term and long-term projects.

New Electrification programs will provide additional revenue growth, put downward pressure on rates, improve JEA's system efficiencies, and reduce JEA's environmental footprint. These programs will provide added 1) value to the customer; 2) financial value, 3) community impact value, and 4) environmental value.

RECOMMENDATION:

This item is presented for information. No action is required by the Board.

Aaron F. Zahn, Interim Managing Director/CEO

AFZ/KS



Electrification

An Emerging Market

Kerri Stewart

Chief Customer Officer

9 / 1 8 / 2 0 1 8

Agenda

- **JEA Electrification 101**
- **JEA Strategy To Date**
- **JEA's Bold Electrification Future**
- **Introduction to ICF**
- **Business Drivers for Electrification**
- **Approaches to Electrification**
- **Program Examples**
- **Considerations with Electrification**
- **A Strategic Path Forward for JEA**

Electrification 101: What is Electrification?

Electrification describes the adoption of electric end-use technologies.

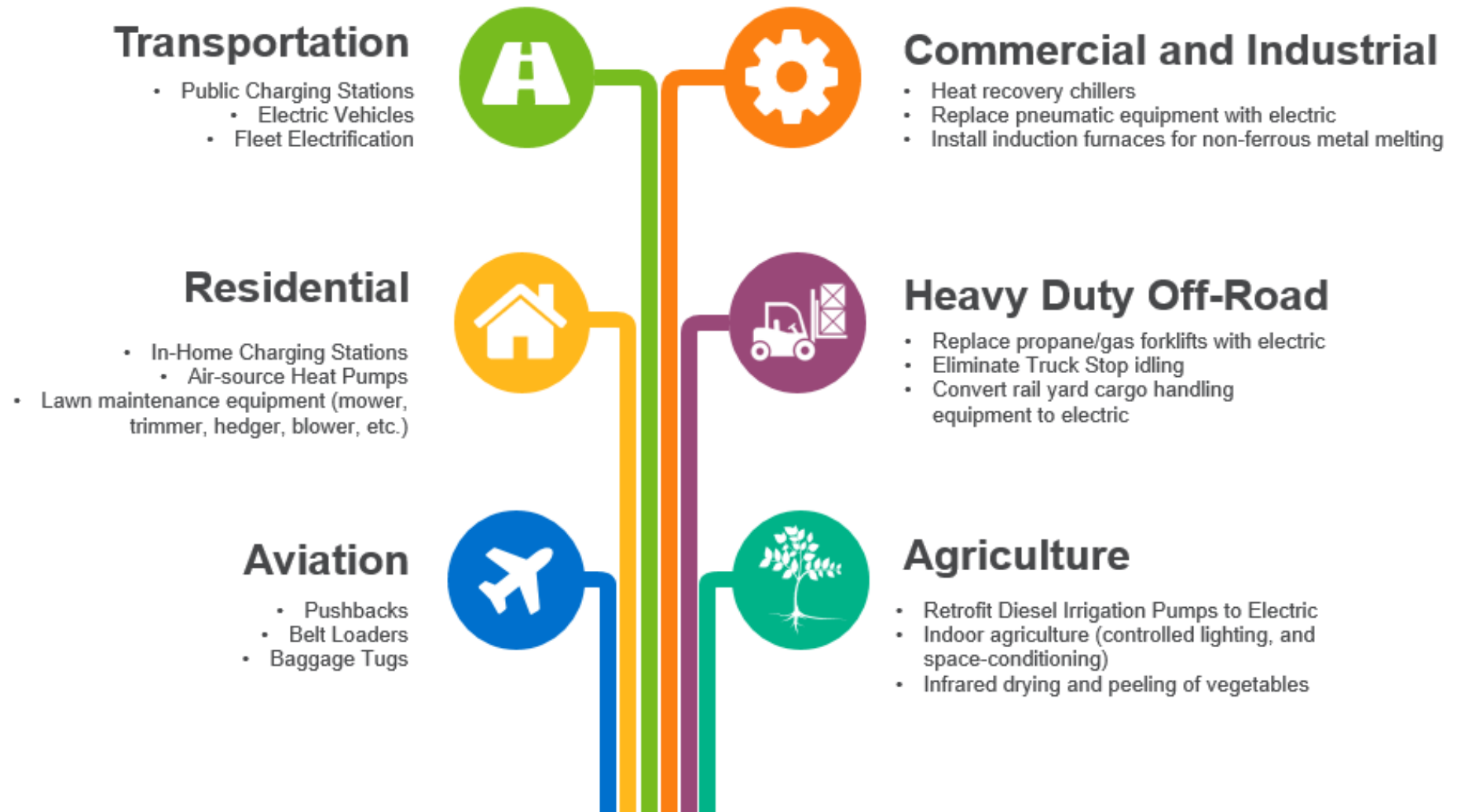
- *Electric Power Research Institute*

Electrification is the shift from any non-electric source of energy to electricity at the point of final consumption.

- *National Renewable Energy Lab*

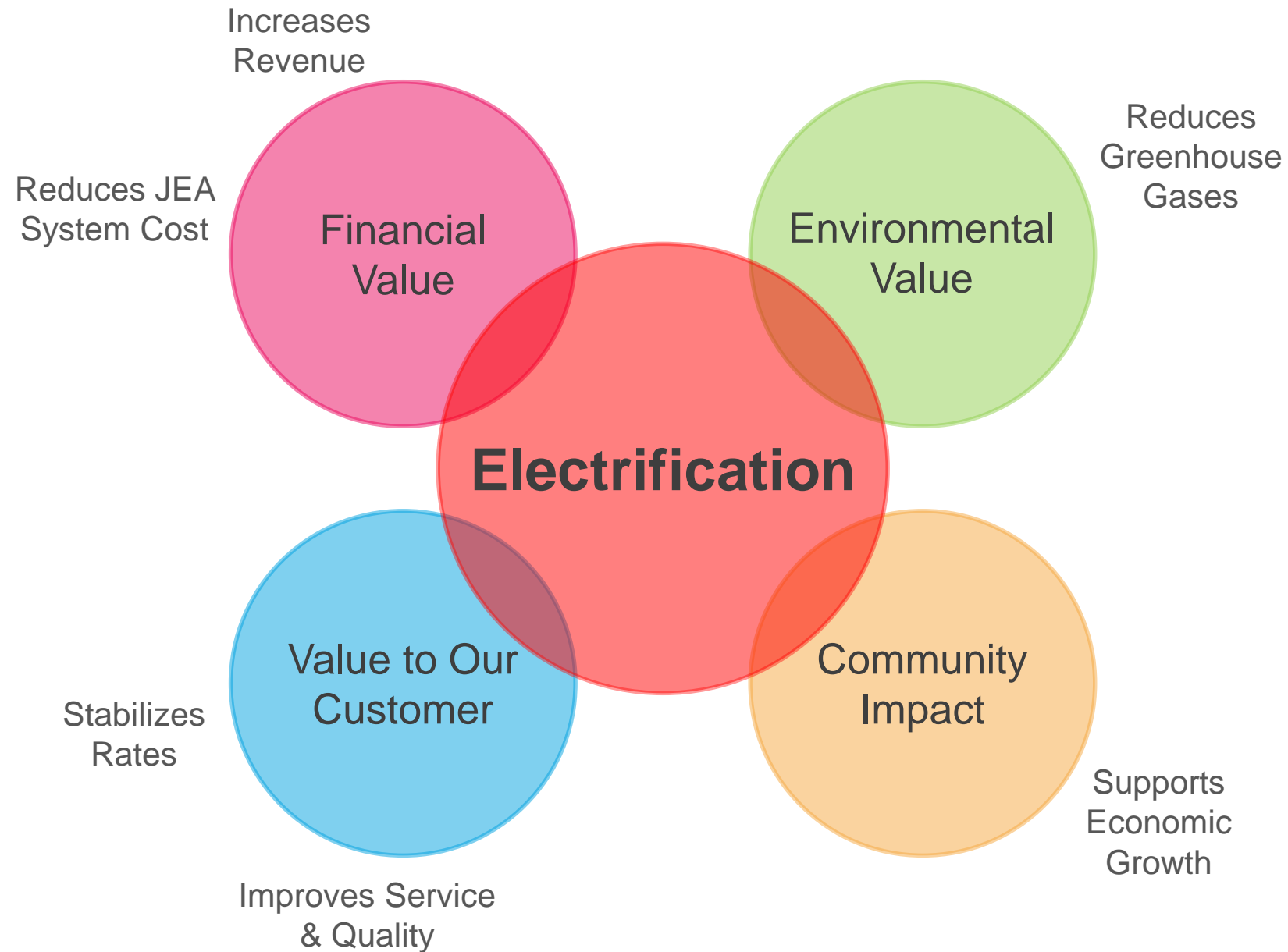
Beneficial Electrification requires that it be cost-effective for JEA, good for all customers (whether they participate in the program or not), and good or neutral for the environment.

- *ICF*



Source: Nexant, *Electrification and the Utility of the Future*, <http://www.nexant.com/resources/electrification-and-utility-future>

Why Electrification is so Important for JEA?



Supports All JEA's Core Values

JEA Strategy to Date



Leader Since 2014

On-Road Electrification Program

- Incentives on new Electric Vehicles
- Strategic partnership with Transportation Planning Organization (TPO) and Drive Electric Florida

Off-Road Program

- Conversion of commercial and industrial diesel/propane equipment to electric
- Direct business to business customer analysis and sales

On-Road Program Summary



Components

- EV Educational Forums
- Charging Infrastructures Support
- Trusted Advisor
- Promotional Outreach



Incentives

New Electric Vehicle	JEA Incentive
Battery size less than 15kWh	\$500
Battery size of 15kWh or higher	\$1,500



Results

- ✓ 1,032 EVs in Jacksonville
- ✓ ~\$400k revenue
- ✓ Program ROI (171 qualified participants) = 135%
- ✓ High market growth projected

Non-Road Electro-technology (NRE) Program Summary



Components

- Marketing
- Vendor Training
- Consultation with JEA Customers
- Technical Support
- Financial analysis
- QA/QC inspections
- Incentive Payment



Incentives

Electrotechnology	JEA Incentive
Forklifts	\$300
Airport Ground Support Equipment	\$100 - \$600
Truck Refrigeration Units	\$200
Heavy-Duty Truck Stop Electrification	\$200
Cranes	\$15,000 - \$75,000
Golf Carts	\$50
Welders	\$500



Results

- ✓ \$8.8M revenue
- ✓ 67% of new sales off-peak
- ✓ Annual Budget ~\$900k
- ✓ Program ROI = +1200%
- ✓ 267 participants
- ✓ 100% customer satisfaction

Strong Non-Road Participation and Customer Satisfaction

Sample Feedback

“The program is exactly as advertised and works very well, [the program] has been excellent to work with and always keeps us abreast of opportunities that we may not have thought of.”

J. Peacock Southeastern Toyota/JM Family Enterprises

“We could not be happier with the program and with JEA. JEA treats us very well and we do appreciate that.”

Jack McDuffie, Sysco Foods

“When we first entertained the idea of going to electric from diesel with our cranes we were skeptical. The program works very well for us, we have reduced our annual costs, electric versus diesel, and are looking forward soon to more conversions to electric.

Lynn Westbrook, Jacksonville Port Authority

“BMW is very happy with the program... We are very grateful to JEA.”

Christopher McMurray, BMW Distribution Center

Notable Participants





JEA's Bold Electrification Future

There exists an opportunity to increase the scale and scope of both the on-road and non-road program. By adding additional technologies, program design elements, and budget, JEA may be able to:

- Quadruple the revenue and values from the programs
- Put downward pressure on rates
- Provide a more flexible and efficient JEA load shape
- Significantly reduce JEA's (and its customers') environmental footprint

JEA is currently conducting a study with ICF to quantify the costs and risks of pursuing this opportunity. The study will be complete in 2019.



David Pickles

Senior Vice President – Commercial Energy

Introduction to ICF


More than 5,000 People
 55% Female Leaders and Gender Pay Equity

\$1.2B In annual revenue

1 Providing More Electrification Services to Utilities than any other Consultancy

9  **Global Sectors**
 Energy, Transportation, Government, Environment, Health, Education, Retail, Consumer, and Hospitality Sectors

Electrification Services

- Strategic Planning
- Technology Screening
- Market Assessment
- System/Locational Impact Analysis
- Environmental Impact Analysis
- Cost-Effectiveness Evaluation
- Program Design
- Marketing & Outreach
- Program Delivery
- Program Evaluation

Electrification Clients

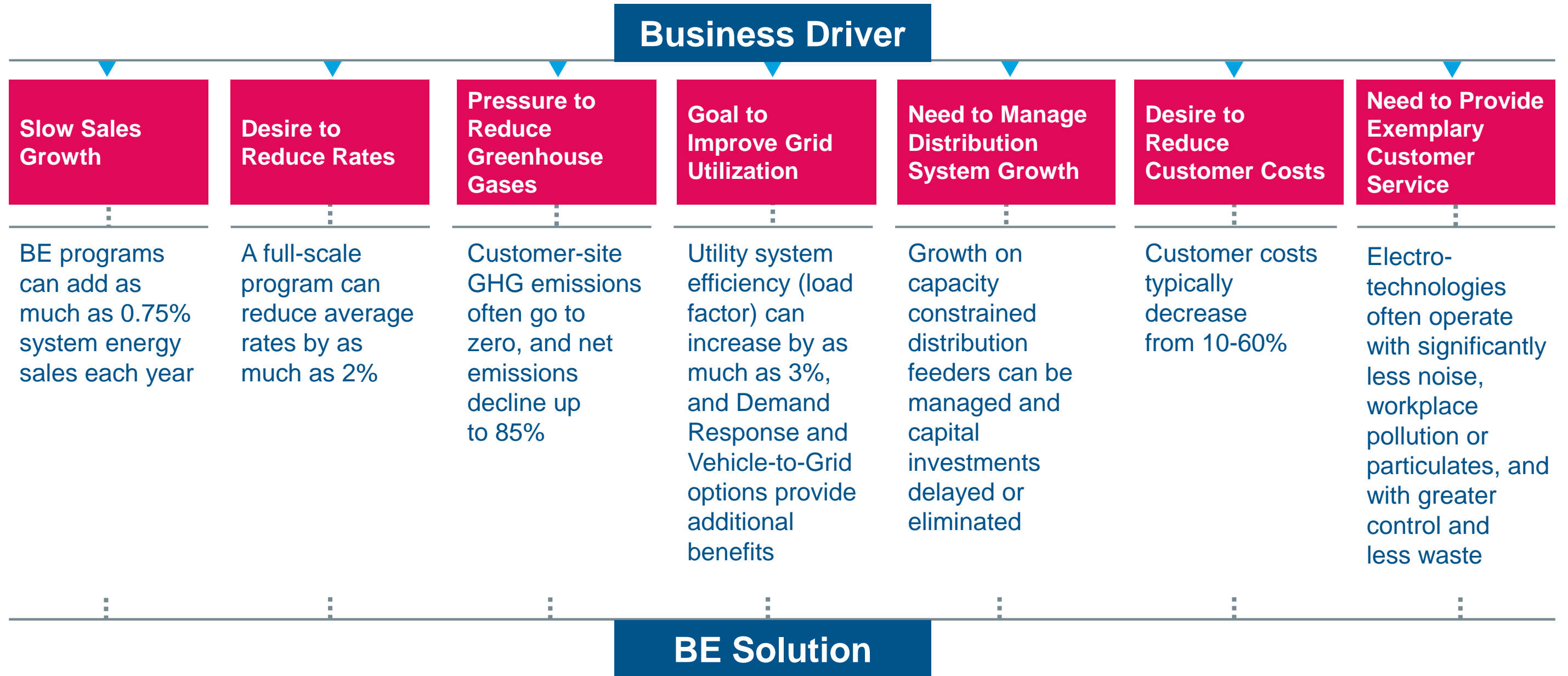
Utilities



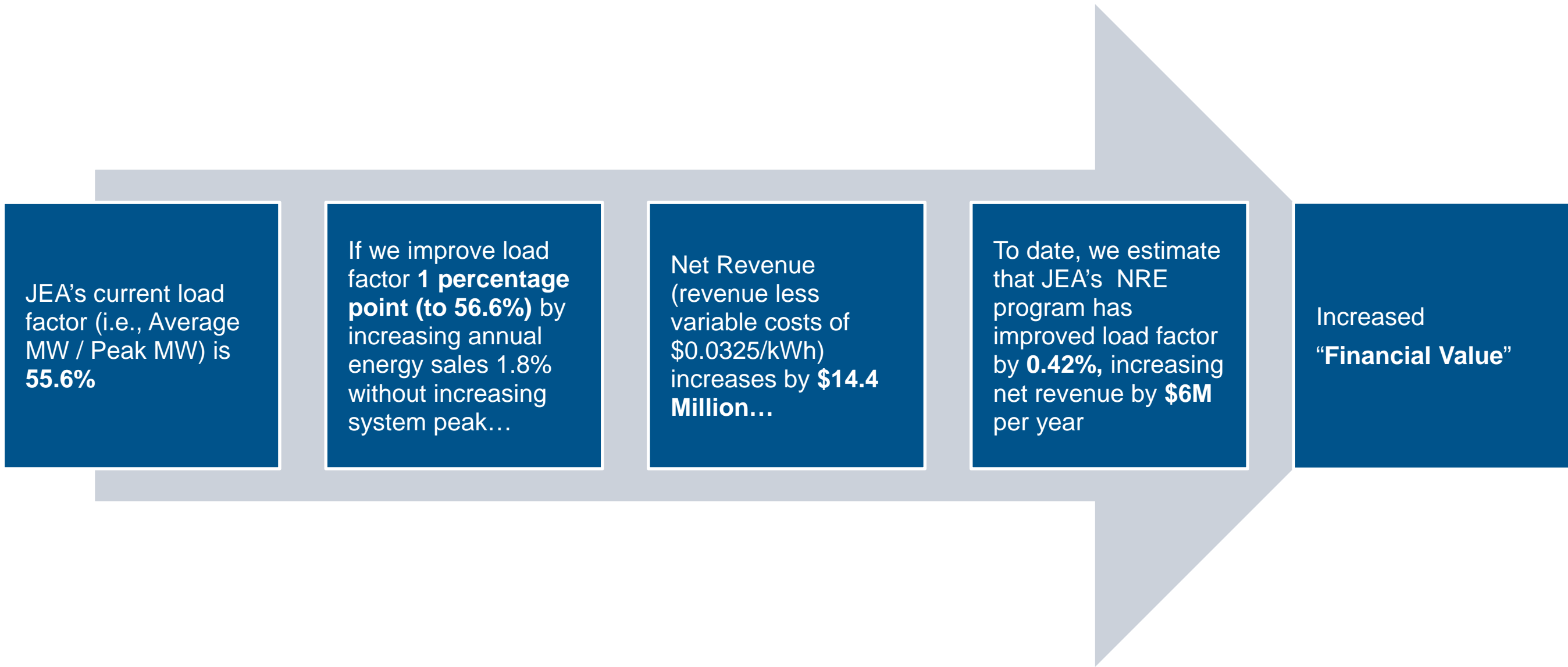
Non-Utilities



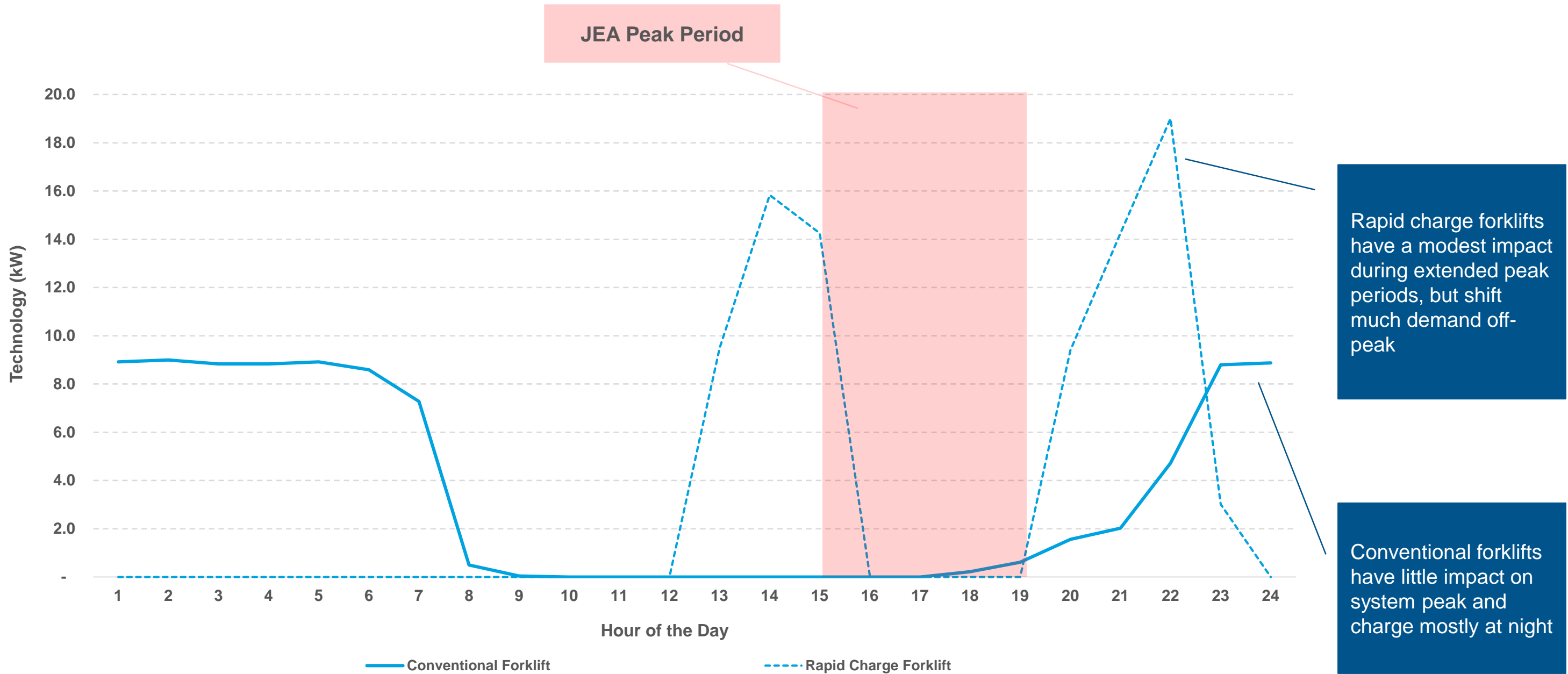
Business Drivers of Beneficial Electrification (BE)



The Power of Improving System Utilization (Load Factor) by Increasing Off-Peak Sales



JEA System Loadshape on 2017 Peak Day vs. Forklift Loadshapes















Rapid charge forklifts have a modest impact during extended peak periods, but shift much demand off-peak





Conventional forklifts have little impact on system peak and charge mostly at night

Possible Expanded Approaches to Beneficial Electrification









Technologies

 Off-Road & Material Handling	 Manufacturing
 On-Road, Light-Duty	 Infrastructure (Ports/Airports)
 On-Road, MD & HD	 HVAC
 On-Road, Buses	 Water Heating
 Food Preparation	 Recreational
 Custom	 Trains

Locations

 Home
 Multi-family
 Workplace or Destination
 In-route
 Fleets

Strategies

 Infrastructure Deployment
 Rate Design
 Education & Outreach
 Incentives
 Financing
 Partnership Planning
 Managed Charging
 Active Load Management (DR, V2G)

Many Additional Technologies Provide Significant Benefits

	Material Handling and Port Equipment			Airport Ground Support Equipment				On-Road		
	Rapid Charge Forklift	E/S TRU	RTG Cranes	Ground Power Units	Pushbacks	Baggage Tractors	Belt Loaders	Light-duty Vehicles	Transit Buses	Refuse Trucks
Annual kWh	27,190	15,000	600,000	148,000	61,420	23,360	12,260	4,000	50,000	35,000
% kWh Off Peak	56%	100%	63%	56%	74%	77%	77%	75% (+)	80% (+)	100%
Peak kW	7.6	0.0	124.7	35	19.4	7.2	3.8	7	50	0
JEA Net Annual Margin	\$2,560	\$1,320	\$64,160	\$12,900	\$8,040	\$3,230	\$1,690	\$326	\$3,092	\$2,164
JEA Present Value Lifetime Net Margin	\$19,760	\$9,560	\$695,450	\$100,240	\$62,100	\$24,960	\$13,100	\$2,510	\$23,806	\$16,664
Lifetime Site GHG Saved (Metric Ton)	337	237	12,164	1,325	550	250	131	36	534	553
Lifetime Site NOx Saved (Metric Ton)	0.3	1.0	24.3	6.0	2.5	0.6	0.4	0.2	1.6	2.3

JEA Leads the Pack in Scope and Relative Impact

Non-Road Program Examples



Considerations in Electrification

- Loads & locations to avoid
- Free riders
- Incentive strategy
- Fuel competition
- Allocation of benefits
- Operations of responsive technologies
- Integration with JEA and national initiatives (VW, Smart City, etc.)
- Recovery of costs
- Competitive markets
- Defining cost effectiveness

Assessing Cost-Effectiveness from Multiple Perspectives

Benefit Cost Tests	Key Question Asked	Benefits	Costs
Ratepayer Impact Measure (RIM)	Will utility rates increase?	Incremental Revenue	Program Incentives Program Overhead Incremental Electricity Supply
Participant (PCT)	Will participants benefit over the measure life?	Incentives Fuel Savings O&M Savings	Incremental Equipment Cost Incremental Electricity Supply
Modified Total Resource Cost (mTRC)	Will the total cost of energy in the utility service territory decrease?	O&M Savings Cost of IC Energy Supply	Net Participants Electric Supply and Net Participants Incremental Capital Cost Program Overhead Program Incentives Paid to “Free Riders”

Strategic Questions We Will be Addressing with JEA

- How do we capitalize on the momentum created by the existing program?
- What is the size and value of future electrification opportunities?
 - On-Road
 - Off-Road
 - Controlled charging/load management
- Which technologies and customers show the greatest promise?
- Which program designs are most appropriate?
- How can we be sure we do not create future generation or distribution problems?
- What are the best entry strategies and where can we cooperate with others?
- What are the risks and how do we mitigate them?
- What are the financial expectations and measures of performance?
- How to resource internally and externally?
- Who are our best partners and how to partner?

Guiding Principles

- Evaluate against JEA's core values
 - Value to our customer
 - Financial value
 - Community impact value
 - Environmental value
- Create a flexible and scalable platform
- Focus on cost-effectiveness and financial returns
- Consider capacity constraints (recognizing that some on-peak load will come along with significant off-peak sales growth)
- Align with JEA investments in AMI, solar, storage, rate design, and other programs
- Strengthen customer satisfaction and JEA brand
- Be innovative; Be bold

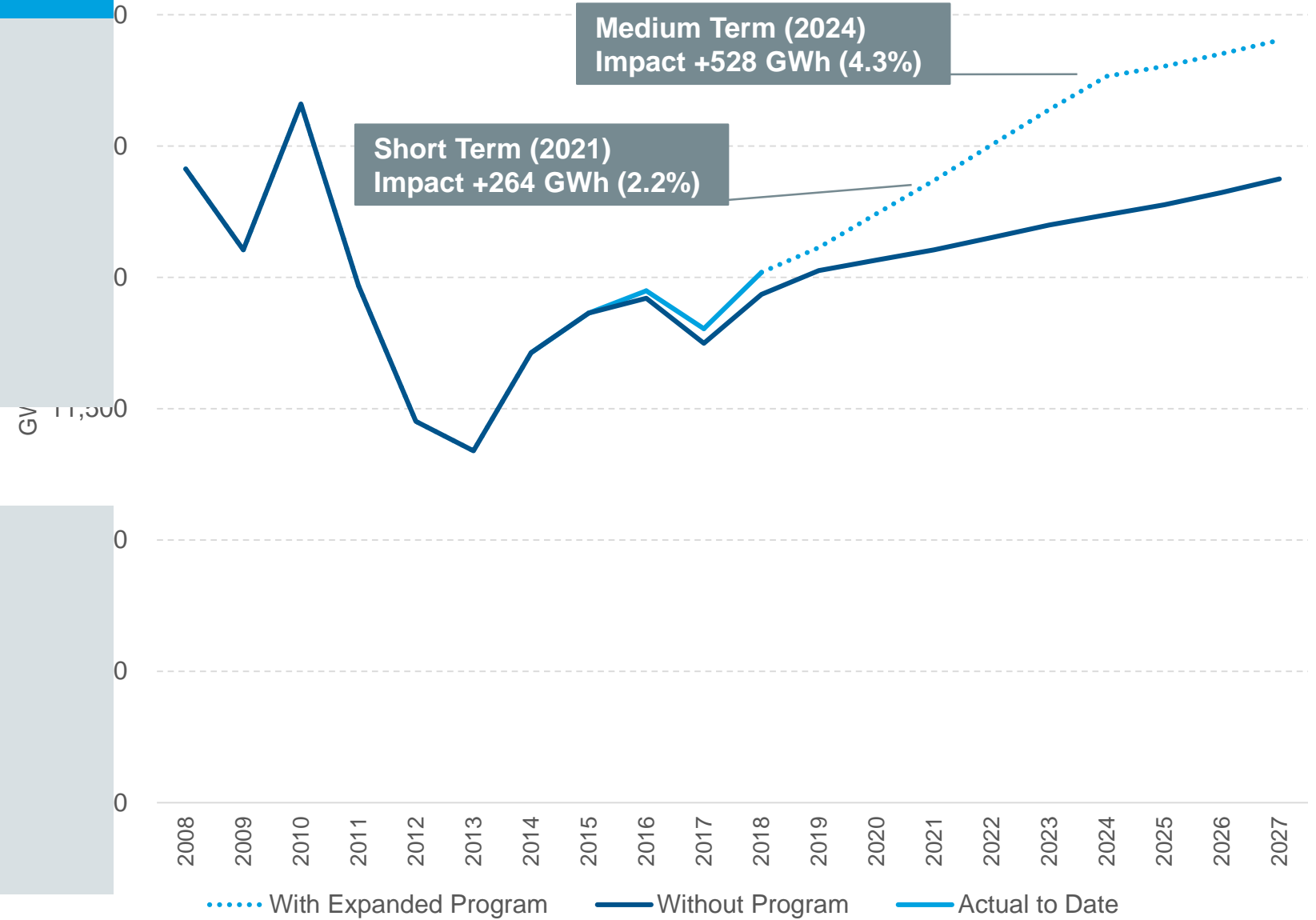
What Might It Look Like for JEA?*

Comprehensive Strategic Electrification Plan

- Dedicated port electrification

with solar charging stations

JEA Annual Sales to Ultimate Customers



*Note: Under evaluation in JEA's Electrification Strategic Plan.

Short-Term Opportunities*

Potential Projects and Opportunities

- Tug Boats at the Jacksonville Port Authority Ports, Naval Air Station Jacksonville, Mayport Naval Ship Yard, and possibly docking stations downtown on the Saint Johns River.
- Port Gantry Cranes (4)
- Mayport Ferry – ship for transporting vehicle and passengers.
- Shore Power for ships (instead of running generators) – ports listed above plus the cruise line port in Jacksonville.
- Vehicle-to-Grid (V2G) and Battery-to-Grid Pilots
- Locomotive Cold-Storage Generators (Florida East Coast Railways opportunity)
- Buses (both city and school)
- Drayage-Yard Trucks (primarily utilized at and around the ports.)
- Local Delivery FedEx, UPS, Amazon, and JTA (Jacksonville Transportation Authority) trucks
- “Garbage” Trucks
- Hangar doors (Boeing, Flightstar, local airports, Air National Guard, Naval Air Station Jacksonville, Mayport Naval Base)

**Note: Under evaluation in JEA’s Electrification Strategic Plan.*

Next Steps

- 1) Agreement on forward business case initiative
- 2) Inventory and review JEA's current portfolio of initiatives
- 3) On-road assessment
- 4) Expanded off-road assessment
- 5) Identify and assess potential technologies and designs
- 6) Develop business cases
- 7) Recommend strategic plan

III. A.

Appendix A.

Board Meeting Minutes August 21, 2018

III. A.
Appendix A.
Board Meeting Minutes August 21, 2018

This item will be provided electronically prior to September 17, 2018

III. A.
Appendix B
Monthly Financial Statements

III. A.
Appendix B
09/18/2018



Monthly Financial Statements

August 2018

Monthly Financial Statements

August 2018

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Statements of Net Position

(in thousands - unaudited) August 2018 and 2017

	2018	2017
Assets		
Current assets:		
Cash and cash equivalents	\$ 269,297	\$ 325,040
Investments	195,328	145,865
Customer accounts receivable, net of allowance (\$1,718 in 2018 and \$2,004 in 2017)	217,692	210,923
Miscellaneous accounts receivable	15,194	40,575
Interest receivable	4,019	2,856
Inventories:		
Fuel inventory - Electric System	43,172	68,442
Fuel inventory - Plant Scherer	6,522	4,416
Materials and supplies - Water and Sewer	55,348	48,657
Materials and supplies - Electric System	23,769	19,344
Materials and supplies - Plant Scherer	2,200	2,095
Total current assets	<u>832,541</u>	<u>868,213</u>
Noncurrent assets:		
Restricted assets:		
Cash and cash equivalents	106,275	59,189
Investments	794,645	997,567
Accounts and interest receivable	61	988
Total restricted assets	<u>900,981</u>	<u>1,057,744</u>
Costs to be recovered from future revenues	794,833	455,203
Investment in The Energy Authority	6,624	6,177
Other assets	16,483	18,105
Total noncurrent assets	<u>1,718,921</u>	<u>1,537,229</u>
Capital assets:		
Land and easements	194,458	194,582
Plant in service	11,228,809	11,033,483
Less accumulated depreciation	<u>(6,493,500)</u>	<u>(5,706,393)</u>
Plant in service, net	4,929,767	5,521,672
Construction work in progress	<u>381,875</u>	<u>279,332</u>
Net capital assets	<u>5,311,642</u>	<u>5,801,004</u>
Total assets	<u>7,863,104</u>	<u>8,206,446</u>
Deferred outflows of resources		
Unrealized pension contributions and losses	177,704	137,010
Unamortized deferred losses on refundings	144,669	134,569
Accumulated decrease in fair value of hedging derivatives	96,964	126,616
Unrealized asset retirement obligation	41,245	-
Total deferred outflows of resources	<u>460,582</u>	<u>398,195</u>
Total assets and deferred outflows of resources	<u>\$ 8,323,686</u>	<u>\$ 8,604,641</u>

Statements of Net Position

(in thousands - unaudited) August 2018 and 2017

	2018	2017
Liabilities		
Current liabilities:		
Accounts and accrued expenses payable	\$ 87,667	\$ 90,608
Customer deposits	59,825	57,367
City of Jacksonville payable	9,729	9,676
Utility taxes and fees payable	9,544	9,719
Compensated absences due within one year	1,423	3,527
Total current liabilities	168,188	170,897
Current liabilities payable from restricted assets:		
Debt due within one year	185,790	229,095
Renewal and replacement reserve	83,813	80,630
Interest payable	62,004	68,834
Construction contracts and accounts payable	21,845	19,839
Total current liabilities payable from restricted assets	353,452	398,398
Noncurrent liabilities:		
Net pension liability	557,665	493,346
Asset retirement obligation	35,167	-
Compensated absences due after one year	29,143	26,899
Environmental liabilities	17,647	18,556
Other liabilities	5,183	5,024
Total noncurrent liabilities	644,805	543,825
Long-term debt:		
Bonds payable and commercial paper payable, less current portion	3,813,680	4,172,160
Unamortized premium, net	155,315	114,904
Fair value of debt management strategy instruments	95,595	126,616
Total long-term debt	4,064,590	4,413,680
Total liabilities	5,231,035	5,526,800
Deferred inflows of resources		
Revenues to be used for future costs	267,736	454,021
Unrealized pension gains	12,955	12,683
Total deferred inflows of resources	280,691	466,704
Net position		
Net investment in capital assets	1,882,764	1,644,825
Restricted	579,025	621,943
Unrestricted	350,171	344,369
Total net position	2,811,960	2,611,137
Total liabilities, deferred inflows of resources, and net position	\$ 8,323,686	\$ 8,604,641

	Electric System and Bulk Power Supply System	SJRPP System	Elimination of Intercompany transactions	Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Total JEA
Assets							
Current assets:							
Cash and cash equivalents	\$ 164,082	\$ 28,464	\$ -	\$ 192,546	71,821	\$ 4,930	\$ 269,297
Investments	180,683	2,047	-	182,730	12,598	-	195,328
Customer accounts receivable, net of allowance (\$1,718)	167,897	-	-	167,897	49,368	427	217,692
Miscellaneous accounts receivable	14,057	3,385	(4,531)	12,911	2,283	-	15,194
Interest receivable	2,288	8	-	2,296	1,723	-	4,019
Inventories:							
Fuel inventory - Electric System	29,952	13,220	-	43,172	-	-	43,172
Fuel inventory - Plant Scherer	6,522	-	-	6,522	-	-	6,522
Materials and supplies - Water and Sewer	-	-	-	-	55,348	-	55,348
Materials and supplies - Electric System	-	23,769	-	23,769	-	-	23,769
Materials and supplies - Plant Scherer	2,200	-	-	2,200	-	-	2,200
Total current assets	567,681	70,893	(4,531)	634,043	193,141	5,357	832,541
Noncurrent assets:							
Restricted assets:							
Cash and cash equivalents	223	103,198	-	103,421	320	2,534	106,275
Investments	427,720	23,344	-	451,064	343,581	-	794,645
Accounts and interest receivable	20	33	-	53	8	-	61
Total restricted assets	427,963	126,575	-	554,538	343,909	2,534	900,981
Costs to be recovered from future revenues	266,470	308,061	-	574,531	220,275	27	794,833
Investment in The Energy Authority	6,624	-	-	6,624	-	-	6,624
Other assets	11,480	-	-	11,480	5,002	1	16,483
Total noncurrent assets	712,537	434,636	-	1,147,173	569,186	2,562	1,718,921
Capital assets:							
Land and easements	123,532	6,660	-	130,192	61,215	3,051	194,458
Plant in service	5,426,792	1,316,043	-	6,742,835	4,429,598	56,376	11,228,809
Less accumulated depreciation	(3,058,598)	(1,312,525)	-	(4,371,123)	(2,097,027)	(25,350)	(6,493,500)
Plant in service, net	2,491,726	10,178	-	2,501,904	2,393,786	34,077	4,929,767
Construction work in progress	140,788	-	-	140,788	240,210	877	381,875
Net capital assets	2,632,514	10,178	-	2,642,692	2,633,996	34,954	5,311,642
Total assets	3,912,732	515,707	(4,531)	4,423,908	3,396,323	42,873	7,863,104
Deferred outflows of resources							
Unrealized pension contributions and losses	95,814	20,631	-	116,445	61,259	-	177,704
Unamortized deferred losses on refundings	85,862	4,202	-	90,064	54,410	195	144,669
Accumulated decrease in fair value of hedging derivatives	78,632	-	-	78,632	18,332	-	96,964
Unrealized asset retirement obligation	-	41,245	-	41,245	-	-	41,245
Total deferred outflows of resources	260,308	66,078	-	326,386	134,001	195	460,582
Total assets and deferred outflows of resources	\$ 4,173,040	\$ 581,785	\$ (4,531)	\$ 4,750,294	\$ 3,530,324	\$ 43,068	\$ 8,323,686

JEA
Combining Statement of Net Position
(in thousands - unaudited) August 2018

	Electric System and Bulk Power Supply System	SJRPP System	Elimination of Intercompany transactions	Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Total JEA
Liabilities							
Current liabilities:							
Accounts and accrued expenses payable	\$ 73,327	\$ 5,292	\$ (3,447)	\$ 75,172	\$ 12,455	\$ 40	\$ 87,667
Customer deposits	44,225	-	-	44,225	15,600	-	59,825
City of Jacksonville payable	7,623	-	-	7,623	2,106	-	9,729
Utility taxes and fees payable	9,544	-	-	9,544	-	-	9,544
Compensated absences due within one year	1,115	-	-	1,115	304	4	1,423
Total current liabilities	135,834	5,292	(3,447)	137,679	30,465	44	168,188
Current liabilities payable from restricted assets:							
Debt due within one year	130,690	1,720	-	132,410	51,720	1,660	185,790
Renewal and replacement reserve	-	83,813	-	83,813	-	-	83,813
Interest payable	31,791	4,669	-	36,460	24,978	566	62,004
Construction contracts and accounts payable	4,793	2,034	(1,084)	5,743	15,914	188	21,845
Total current liabilities payable from restricted assets	167,274	92,236	(1,084)	258,426	92,612	2,414	353,452
Noncurrent liabilities:							
Net pension liability	330,025	16,640	-	346,665	211,000	-	557,665
Asset retirement obligation	-	35,167	-	35,167	-	-	35,167
Compensated absences due after one year	20,618	-	-	20,618	8,491	34	29,143
Environmental liabilities	17,647	-	-	17,647	-	-	17,647
Other liabilities	4,466	-	-	4,466	717	-	5,183
Total noncurrent liabilities	372,756	51,807	-	424,563	220,208	34	644,805
Long-term debt:							
Bonds payable and commercial paper payable, less current portion	2,019,350	278,885	-	2,298,235	1,480,620	34,825	3,813,680
Unamortized premium (discount), net	78,112	2,560	-	80,672	74,677	(34)	155,315
Fair value of debt management strategy instruments	77,263	-	-	77,263	18,332	-	95,595
Total long-term debt	2,174,725	281,445	-	2,456,170	1,573,629	34,791	4,064,590
Total liabilities	2,850,589	430,780	(4,531)	3,276,838	1,916,914	37,283	5,231,035
Deferred inflows of resources							
Revenues to be used for future costs	240,597	-	-	240,597	27,139	-	267,736
Unrealized pension gains	4,867	4,976	-	9,843	3,112	-	12,955
Total deferred inflows of resources	245,464	4,976	-	250,440	30,251	-	280,691
Net position							
Net investment in capital assets	540,373	47,596	-	587,969	1,296,286	(1,491)	1,882,764
Restricted	330,740	26,753	1,084	358,577	218,480	1,968	579,025
Unrestricted	205,874	71,680	(1,084)	276,470	68,393	5,308	350,171
Total net position	1,076,987	146,029	-	1,223,016	1,583,159	5,785	2,811,960
Total liabilities, deferred inflows of resources, and net position	\$ 4,173,040	\$ 581,785	\$ (4,531)	\$ 4,750,294	\$ 3,530,324	\$ 43,068	\$ 8,323,686

Combining Statement of Net Position
(in thousands - unaudited) August 2017

	Electric System and Bulk Power Supply System	SJRPP System	Elimination of Intercompany transactions	Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Total JEA
Assets							
Current assets:							
Cash and cash equivalents	\$ 211,549	\$ 32,936	\$ -	\$ 244,485	\$ 75,888	\$ 4,667	\$ 325,040
Investments	137,111	8,754	-	145,865	-	-	145,865
Customer accounts receivable, net of allowance (\$2,004)	176,367	-	-	176,367	34,431	125	210,923
Miscellaneous accounts receivable	30,612	31,119	(22,802)	38,929	1,646	-	40,575
Interest receivable	1,554	2	-	1,556	1,300	-	2,856
Inventories:							
Fuel inventory - Electric System	33,905	34,537	-	68,442	-	-	68,442
Fuel inventory - Plant Scherer	4,416	-	-	4,416	-	-	4,416
Materials and supplies - Water and Sewer	-	-	-	-	48,657	-	48,657
Materials and supplies - Electric System	-	19,344	-	19,344	-	-	19,344
Materials and supplies - Plant Scherer	2,095	-	-	2,095	-	-	2,095
Total current assets	597,609	126,692	(22,802)	701,499	161,922	4,792	868,213
Noncurrent assets:							
Restricted assets:							
Cash and cash equivalents	39	33,440	-	33,479	23,118	2,592	59,189
Investments	427,510	223,601	-	651,111	346,456	-	997,567
Accounts and interest receivable	48	928	-	976	12	-	988
Total restricted assets	427,597	257,969	-	685,566	369,586	2,592	1,057,744
Costs to be recovered from future revenues	240,234	6,675	-	246,909	208,294	-	455,203
Investment in The Energy Authority	6,177	-	-	6,177	-	-	6,177
Other assets	11,112	-	-	11,112	6,992	1	18,105
Total noncurrent assets	685,120	264,644	-	949,764	584,872	2,593	1,537,229
Capital assets:							
Land and easements	123,613	6,660	-	130,273	61,258	3,051	194,582
Plant in service	5,325,097	1,317,483	-	6,642,580	4,335,663	55,240	11,033,483
Less accumulated depreciation	(2,851,268)	(847,861)	-	(3,699,129)	(1,983,371)	(23,893)	(5,706,393)
Plant in service, net	2,597,442	476,282	-	3,073,724	2,413,550	34,398	5,521,672
Construction work in progress	102,695	2,209	-	104,904	172,629	1,799	279,332
Capital assets, net	2,700,137	478,491	-	3,178,628	2,586,179	36,197	5,801,004
Total assets	3,982,866	869,827	(22,802)	4,829,891	3,332,973	43,582	8,206,446
Deferred outflows of resources							
Unrealized pension contributions and losses	77,673	11,731	-	89,404	47,606	-	137,010
Unamortized deferred losses on refundings	79,133	11,200	-	90,333	44,032	204	134,569
Accumulated decrease in fair value of hedging derivatives	102,430	-	-	102,430	24,186	-	126,616
Total deferred outflows of resources	259,236	22,931	-	282,167	115,824	204	398,195
Total assets and deferred outflows of resources	\$ 4,242,102	\$ 892,758	\$ (22,802)	\$ 5,112,058	\$ 3,448,797	\$ 43,786	\$ 8,604,641

	Electric System and Bulk Power Supply System	SJRPP System	Elimination of Intercompany transactions	Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Total JEA
Liabilities							
Current liabilities:							
Accounts and accrued expenses payable	\$ 68,939	\$ 11,366	\$ (1,421)	\$ 78,884	\$ 11,690	\$ 34	\$ 90,608
Customer deposits	42,308	-	-	42,308	15,059	-	57,367
City of Jacksonville payable	7,689	-	-	7,689	1,987	-	9,676
Utility taxes and fees payable	9,719	-	-	9,719	-	-	9,719
Compensated absences due within one year	2,025	660	-	2,685	811	31	3,527
Total current liabilities	130,680	12,026	(1,421)	141,285	29,547	65	170,897
Current liabilities payable from restricted assets:							
Debt due within one year	135,105	41,330	-	176,435	51,020	1,640	229,095
Renewal and replacement reserve	-	80,630	-	80,630	-	-	80,630
Interest payable	33,976	7,976	-	41,952	26,306	576	68,834
Construction contracts and accounts payable	3,260	23,318	(21,381)	5,197	14,578	64	19,839
Total current liabilities payable from restricted assets	172,341	153,254	(21,381)	304,214	91,904	2,280	398,398
Noncurrent liabilities:							
Net pension liability	297,819	12,993	-	310,812	182,534	-	493,346
Compensated absences due after one year	17,926	1,673	-	19,599	7,290	10	26,899
Environmental liabilities	18,556	-	-	18,556	-	-	18,556
Other liabilities	3,516	-	-	3,516	1,508	-	5,024
Total noncurrent liabilities	337,817	14,666	-	352,483	191,332	10	543,825
Long-term debt:							
Bonds payable and commercial paper payable, less current portion	2,171,305	408,885	-	2,580,190	1,555,485	36,485	4,172,160
Unamortized premium (discount), net	56,841	11,648	-	68,489	46,454	(39)	114,904
Fair value of debt management strategy instruments	102,430	-	-	102,430	24,186	-	126,616
Total long-term debt	2,330,576	420,533	-	2,751,109	1,626,125	36,446	4,413,680
Total liabilities	2,971,414	600,479	(22,802)	3,549,091	1,938,908	38,801	5,526,800
Deferred inflows of resources							
Revenues to be used for future costs	285,204	148,621	-	433,825	20,196	-	454,021
Unrealized pension gains	6,545	2,126	-	8,671	4,012	-	12,683
Total deferred inflows of resources	291,749	150,747	-	442,496	24,208	-	466,704
Net position							
Net investment in capital assets	449,975	113	-	450,088	1,196,487	(1,750)	1,644,825
Restricted	328,188	28,426	21,381	377,995	241,932	2,016	621,943
Unrestricted	200,776	112,993	(21,381)	292,388	47,262	4,719	344,369
Total net position	978,939	141,532	-	1,120,471	1,485,681	4,985	2,611,137
Total liabilities, deferred inflows of resources, and net position	\$ 4,242,102	\$ 892,758	\$ (22,802)	\$ 5,112,058	\$ 3,448,797	\$ 43,786	\$ 8,604,641

JEA
Schedule of Cash and Investments
(in thousands - unaudited) August 2018

	Electric System and Bulk Power Supply	SJRPP System	Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Total JEA
Unrestricted cash and investments						
Operations	\$ 70,225	\$ 12,048	\$ 82,273	\$ 41,680	\$ 2,193	\$ 126,146
Rate stabilization:						
Fuel	63,813	-	63,813	-	-	63,813
Debt management	29,884	-	29,884	14,209	2,737	46,830
Environmental	42,378	-	42,378	12,930	-	55,308
Purchased Power	54,488	-	54,488	-	-	54,488
DSM/Conservation	4,188	-	4,188	-	-	4,188
Total rate stabilization funds	194,751	-	194,751	27,139	2,737	224,627
Customer deposits	44,181	-	44,181	15,600	-	59,781
General reserve	-	18,463	18,463	-	-	18,463
Self insurance reserve funds:						
Self funded health plan	7,961	-	7,961	-	-	7,961
Property insurance reserve	10,000	-	10,000	-	-	10,000
Total self insurance reserve funds	17,961	-	17,961	-	-	17,961
Environmental liability reserve	17,647	-	17,647	-	-	17,647
Total unrestricted cash and investments	\$ 344,765	\$ 30,511	\$ 375,276	\$ 84,419	\$ 4,930	\$ 464,625
Restricted assets						
Renewal and replacement funds	\$ 213,923	\$ 82,053	\$ 295,976	\$ 168,558	\$ 446	\$ 464,980
Debt service reserve account	65,433	11,307	76,740	102,850	-	179,590
Debt service funds	150,756	6,362	157,118	72,093	2,088	231,299
Environmental funds	-	-	-	461	-	461
Construction funds	223	-	223	320	-	543
Subtotal	430,335	99,722	530,057	344,282	2,534	876,873
Unrealized holding gain (loss) on investments	(2,392)	80	(2,312)	(381)	-	(2,693)
Other funds	-	26,740	26,740	-	-	26,740
Total restricted cash and investments	\$ 427,943	\$ 126,542	\$ 554,485	\$ 343,901	\$ 2,534	\$ 900,920

JEA
Schedule of Cash and Investments
(in thousands - unaudited) August 2017

	Electric System and Bulk Power Supply	SJRPP System	Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Total JEA
Unrestricted cash and investments						
Operations	\$ 34,480	\$ 18,853	\$ 53,333	\$ 40,633	\$ 1,930	\$ 95,896
Rate stabilization:						
Fuel	138,048	-	138,048	-	-	138,048
Debt management	29,884	-	29,884	14,209	2,737	46,830
Environmental	35,961	-	35,961	5,987	-	41,948
Purchased Power	26,137	-	26,137	-	-	26,137
DSM/Conservation	3,936	-	3,936	-	-	3,936
Total rate stabilization funds	233,966	-	233,966	20,196	2,737	256,899
Customer deposits	42,182	-	42,182	15,059	-	57,241
General reserve	-	22,837	22,837	-	-	22,837
Self insurance reserve funds:						
Self funded health plan	9,476	-	9,476	-	-	9,476
Property insurance reserve	10,000	-	10,000	-	-	10,000
Total self insurance reserve funds	19,476	-	19,476	-	-	19,476
Environmental liability reserve	18,556	-	18,556	-	-	18,556
Total unrestricted cash and investments	\$ 348,660	\$ 41,690	\$ 390,350	\$ 75,888	\$ 4,667	\$ 470,905
Restricted assets						
Renewal and replacement funds	\$ 206,587	\$ 80,425	\$ 287,012	\$ 186,188	\$ 512	\$ 473,712
Debt service reserve account	65,433	140,214	205,647	107,488	-	313,135
Debt service funds	154,839	38,715	193,554	72,775	2,080	268,409
Construction funds	39	-	39	152	-	191
Environmental funds	-	-	-	821	-	821
Subtotal	426,898	259,354	686,252	367,424	2,592	1,056,268
Unrealized holding gain (loss) on investments	651	(3,989)	(3,338)	2,150	-	(1,188)
Other funds	-	1,676	1,676	-	-	1,676
Total restricted cash and investments	\$ 427,549	\$ 257,041	\$ 684,590	\$ 369,574	\$ 2,592	\$ 1,056,756

DESCRIPTION	Electric System and Bulk Power		Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Total JEA
	Supply System	SJRPP System				
Unfunded pension costs	239,078	985	240,063	152,853	-	392,916
SJRPP and Scherer	9,730	304,952	314,682	-	-	314,682
Water environmental projects	-	-	-	60,571	-	60,571
Storm costs to be recovered	14,402	-	14,402	4,537	27	18,966
Debt issue costs	3,260	2,124	5,384	2,314	-	7,698
Costs to be recovered from future revenues	266,470	308,061	574,531	220,275	27	794,833
Fuel stabilization	63,814	-	63,814	-	-	63,814
Environmental	42,378	-	42,378	12,930	-	55,308
Debt management stabilization	29,884	-	29,884	14,209	-	44,093
SJRPP and Scherer	37,883	-	37,883	-	-	37,883
Nonfuel purchased power	54,488	-	54,488	-	-	54,488
Self-insurance medical reserve	7,961	-	7,961	-	-	7,961
Customer benefit stabilization	4,189	-	4,189	-	-	4,189
Revenues to be used for future costs	240,597	-	240,597	27,139	-	267,736

JEA
Regulatory Accounting Balances
(in thousands - unaudited) August 2017

DESCRIPTION	Electric System and Bulk Power		Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Total JFA
	Supply System	SJRPP System				
Unfunded pension costs	226,691	3,388	230,079	138,940	-	369,019
SJRPP and Scherer	10,890	-	10,890	-	-	10,890
Water environmental projects	-	-	-	69,122	-	69,122
Debt issue costs	2,653	3,287	5,940	232	-	6,172
Costs to be recovered from future revenues	240,234	6,675	246,909	208,294	-	455,203
Fuel stabilization	138,049	-	138,049	-	-	138,049
Environmental	35,962	-	35,962	5,987	-	41,949
Debt management stabilization	29,884	-	29,884	14,209	-	44,093
SJRPP and Scherer	41,761	148,621	190,382	-	-	190,382
Nonfuel purchased power	26,137	-	26,137	-	-	26,137
Self-insurance medical reserve	9,476	-	9,476	-	-	9,476
Customer benefit stabilization	3,935	-	3,935	-	-	3,935
Revenues to be used for future costs	285,204	148,621	433,825	\$ 20,196	-	454,021

Statements of Revenues, Expenses and Changes in Net Position
(in thousands - unaudited)

	Month August		Year-to-Date August	
	2018	2017	2018	2017
Operating revenues				
Electric - base	\$ 43,248	\$ 83,642	\$ 712,919	\$ 747,307
Electric - fuel and purchased power	44,831	56,947	447,144	512,599
Water and sewer	37,083	41,450	388,967	398,633
District energy system	810	809	7,488	7,412
Other	3,142	3,095	83,071	32,649
Total operating revenues	129,114	185,943	1,639,589	1,698,600
Operating expenses				
Operations and maintenance:				
Fuel	38,432	47,862	371,277	416,320
Purchased power	9,089	8,137	96,551	71,256
Maintenance and other operating expenses	31,997	33,081	389,287	343,261
Depreciation	28,732	32,848	332,490	354,493
Utility taxes and fees	6,669	6,922	64,713	63,174
Recognition of deferred costs and revenues, net	148	(511)	1,116	(4,930)
Total operating expenses	115,067	128,339	1,255,434	1,243,574
Operating income	14,047	57,604	384,155	455,026
Nonoperating revenues (expenses)				
Interest on debt	(11,732)	(13,479)	(140,464)	(152,553)
Debt management strategy	(1,010)	(1,270)	(12,379)	(14,913)
Investment income, net	1,543	1,814	10,306	8,227
Allowance for funds used during construction	1,206	1,011	10,350	10,981
Other nonoperating income, net	610	611	9,269	5,046
Earnings from The Energy Authority	(53)	373	3,120	5,758
Other interest, net	(170)	(18)	(1,716)	(419)
Total nonoperating expenses, net	(9,606)	(10,958)	(121,514)	(137,873)
Income before contributions and special items	4,441	46,646	262,641	317,153
Contributions (to) from				
General Fund, City of Jacksonville, Florida	(9,717)	(9,652)	(106,901)	(106,171)
Developers and other	7,651	4,960	74,621	64,100
Reduction of plant cost through contributions	(5,552)	(2,365)	(49,947)	(40,870)
Total contributions	(7,618)	(7,057)	(82,227)	(82,941)
Special items				
SJRPP deferred revenues, net	-	-	451,037	-
SJRPP impairment loss	-	-	(451,037)	-
Total special items	-	-	-	-
Change in net position	(3,177)	39,589	180,414	234,212
Net position, beginning of period	2,815,137	2,571,548	2,631,546	2,376,925
Net position, end of period	\$ 2,811,960	\$ 2,611,137	\$ 2,811,960	\$ 2,611,137

Combining Statement of Revenues, Expenses and Changes in Net Position
(in thousands - unaudited) for the month ended August 2018

	Electric System and Bulk Power Supply System	SJRPP System	Elimination of Intercompany transactions	Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Eliminations	Total JEA
Operating revenues								
Electric - base	\$ 43,408	\$ -	\$ -	\$ 43,408	\$ -	\$ -	\$ (160)	\$ 43,248
Electric - fuel and purchased power	45,181	1,162	(909)	45,434	-	-	(603)	44,831
Water and sewer	-	-	-	-	37,141	-	(58)	37,083
District energy system	-	-	-	-	-	851	(41)	810
Other	1,949	290	-	2,239	1,157	-	(254)	3,142
Total operating revenues	90,538	1,452	(909)	91,081	38,298	851	(1,116)	129,114
Operating expenses								
Operations and maintenance:								
Fuel	37,641	791	-	38,432	-	-	-	38,432
Purchased power	9,998	-	(909)	9,089	-	-	-	9,089
Maintenance and other operating expenses	20,422	(269)	-	20,153	12,813	147	(1,116)	31,997
Depreciation	16,525	34	-	16,559	11,970	203	-	28,732
Utility taxes and fees	5,781	-	-	5,781	888	-	-	6,669
Recognition of deferred costs and revenues, net	(227)	80	-	(147)	295	-	-	148
Total operating expenses	90,140	636	(909)	89,867	25,966	350	(1,116)	115,067
Operating income	398	816	-	1,214	12,332	501	-	14,047
Nonoperating revenues (expenses)								
Interest on debt	(6,280)	(877)	-	(7,157)	(4,460)	(115)	-	(11,732)
Debt management strategy	(815)	-	-	(815)	(195)	-	-	(1,010)
Investment income, net	688	323	-	1,011	520	12	-	1,543
Allowance for funds used during construction	418	-	-	418	786	2	-	1,206
Other nonoperating income, net	371	31	-	402	208	-	-	610
Earnings from The Energy Authority	(53)	-	-	(53)	-	-	-	(53)
Other interest, net	(168)	-	-	(168)	(2)	-	-	(170)
Total nonoperating expenses, net	(5,839)	(523)	-	(6,362)	(3,143)	(101)	-	(9,606)
Income before contributions	(5,441)	293	-	(5,148)	9,189	400	-	4,441
Contributions (to) from								
General Fund, City of Jacksonville, Florida	(7,622)	-	-	(7,622)	(2,095)	-	-	(9,717)
Developers and other	159	-	-	159	7,492	-	-	7,651
Reduction of plant cost through contributions	(159)	-	-	(159)	(5,393)	-	-	(5,552)
Total contributions	(7,622)	-	-	(7,622)	4	-	-	(7,618)
Change in net position	(13,063)	293	-	(12,770)	9,193	400	-	(3,177)
Net position, beginning of period	1,090,050	145,736	-	1,235,786	1,573,966	5,385	-	2,815,137
Net position, end of period	\$ 1,076,987	\$ 146,029	\$ -	\$ 1,223,016	\$ 1,583,159	\$ 5,785	\$ -	\$ 2,811,960

Combining Statement of Revenues, Expenses and Changes in Net Position
(in thousands - unaudited) for the month ended August 2017

	Electric System and Bulk Power Supply System	SJRPP System	Elimination of Intercompany transactions	Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Eliminations	Total JEA
Operating revenues								
Electric - base	\$ 84,030	\$ -	\$ -	\$ 84,030	\$ -	\$ -	\$ (388)	\$ 83,642
Electric - fuel and purchased power	45,369	26,220	(13,181)	58,408	-	-	(1,461)	56,947
Water and sewer	-	-	-	-	41,478	-	(28)	41,450
District energy system	-	-	-	-	-	890	(81)	809
Other	2,416	-	-	2,416	870	-	(191)	3,095
Total operating revenues	131,815	26,220	(13,181)	144,854	42,348	890	(2,149)	185,943
Operating expenses								
Operations and maintenance:								
Fuel	29,531	18,331	-	47,862	-	-	-	47,862
Purchased power	21,318	-	(13,181)	8,137	-	-	-	8,137
Maintenance and other operating expenses	18,825	2,740	-	21,565	13,192	473	(2,149)	33,081
Depreciation	17,151	3,563	-	20,714	11,935	199	-	32,848
Utility taxes and fees	6,017	-	-	6,017	905	-	-	6,922
Recognition of deferred costs and revenues, net	(279)	(1,002)	-	(1,281)	770	-	-	(511)
Total operating expenses	92,563	23,632	(13,181)	103,014	26,802	672	(2,149)	128,339
Operating income	39,252	2,588	-	41,840	15,546	218	-	57,604
Nonoperating revenues (expenses)								
Interest on debt	(6,358)	(2,006)	-	(8,364)	(4,999)	(116)	-	(13,479)
Debt management strategy	(1,034)	-	-	(1,034)	(236)	-	-	(1,270)
Investment income, net	767	327	-	1,094	713	7	-	1,814
Allowance for funds used during construction	411	-	-	411	595	5	-	1,011
Other nonoperating income, net	369	34	-	403	208	-	-	611
Earnings from The Energy Authority	373	-	-	373	-	-	-	373
Other interest, net	(16)	-	-	(16)	(2)	-	-	(18)
Total nonoperating expenses, net	(5,488)	(1,645)	-	(7,133)	(3,721)	(104)	-	(10,958)
Income before contributions	33,764	943	-	34,707	11,825	114	-	46,646
Contributions (to) from								
General Fund, City of Jacksonville, Florida	(7,689)	-	-	(7,689)	(1,963)	-	-	(9,652)
Developers and other	22	-	-	22	4,938	-	-	4,960
Reduction of plant cost through contributions	(22)	-	-	(22)	(2,343)	-	-	(2,365)
Total contributions	(7,689)	-	-	(7,689)	632	-	-	(7,057)
Change in net position	26,075	943	-	27,018	12,457	114	-	39,589
Net position, beginning of period	952,864	140,589	-	1,093,453	1,473,224	4,871	-	2,571,548
Net position, end of period	\$ 978,939	\$ 141,532	\$ -	\$ 1,120,471	\$ 1,485,681	\$ 4,985	\$ -	\$ 2,611,137

Combining Statement of Revenues, Expenses and Changes in Net Position
(in thousands - unaudited) for the eleven months ended August 2018

	Electric System and Bulk Power Supply System	SJRPP System	Elimination of Intercompany transactions	Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Eliminations	Total JEA
Operating revenues								
Electric - base	\$ 716,026	\$ -	\$ -	\$ 716,026	\$ -	\$ -	\$ (3,107)	\$ 712,919
Electric - fuel and purchased power	428,350	85,873	(55,389)	458,834	-	-	(11,690)	447,144
Water and sewer	-	-	-	-	389,538	-	(571)	388,967
District energy system	-	-	-	-	-	7,855	(367)	7,488
Other	20,072	55,100	-	75,172	10,457	-	(2,558)	83,071
Total operating revenues	1,164,448	140,973	(55,389)	1,250,032	399,995	7,855	(18,293)	1,639,589
Operating expenses								
Operations and maintenance:								
Fuel	319,377	51,900	-	371,277	-	-	-	371,277
Purchased power	151,940	-	(55,389)	96,551	-	-	-	96,551
Maintenance and other operating expenses	214,595	55,880	-	270,475	133,353	3,752	(18,293)	389,287
Depreciation	187,166	10,953	-	198,119	132,171	2,200	-	332,490
Utility taxes and fees	55,100	-	-	55,100	9,613	-	-	64,713
Recognition of deferred costs and revenues, net	(2,497)	(1,547)	-	(4,044)	5,160	-	-	1,116
Total operating expenses	925,681	117,186	(55,389)	987,478	280,297	5,952	(18,293)	1,255,434
Operating income	238,767	23,787	-	262,554	119,698	1,903	-	384,155
Nonoperating revenues (expenses)								
Interest on debt	(69,129)	(19,416)	-	(88,545)	(50,660)	(1,259)	-	(140,464)
Debt management strategy	(9,978)	-	-	(9,978)	(2,401)	-	-	(12,379)
Investment income, net	5,715	1,100	-	6,815	3,401	90	-	10,306
Allowance for funds used during construction	3,403	-	-	3,403	6,900	47	-	10,350
Other nonoperating income, net	5,676	1,037	-	6,713	2,556	-	-	9,269
Earnings from The Energy Authority	3,120	-	-	3,120	-	-	-	3,120
Other interest, net	(1,488)	-	-	(1,488)	(228)	-	-	(1,716)
Total nonoperating expenses, net	(62,681)	(17,279)	-	(79,960)	(40,432)	(1,122)	-	(121,514)
Income before contributions	176,086	6,508	-	182,594	79,266	781	-	262,641
Contributions (to) from								
General Fund, City of Jacksonville, Florida	(83,849)	-	-	(83,849)	(23,052)	-	-	(106,901)
Developers and other	1,479	-	-	1,479	73,142	-	-	74,621
Reduction of plant cost through contributions	(1,479)	-	-	(1,479)	(48,468)	-	-	(49,947)
Total contributions	(83,849)	-	-	(83,849)	1,622	-	-	(82,227)
Special items								
SJRPP deferred revenues, net	-	451,037	-	451,037	-	-	-	451,037
SJRPP impairment loss	-	(451,037)	-	(451,037)	-	-	-	(451,037)
Total special items	-	-	-	-	-	-	-	-
Change in net position	92,237	6,508	-	98,745	80,888	781	-	180,414
Net position, beginning of year	984,750	139,521	-	1,124,271	1,502,271	5,004	-	2,631,546
Net position, end of period	\$ 1,076,987	\$ 146,029	\$ -	\$ 1,223,016	\$ 1,583,159	\$ 5,785	\$ -	\$ 2,811,960

Combining Statement of Revenues, Expenses and Changes in Net Position
(in thousands - unaudited) for the eleven months ended August 2017

	Electric System and Bulk Power Supply System	SJRPP System	Elimination of Intercompany transactions	Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Eliminations	Total JEA
Operating revenues								
Electric - base	\$ 750,486	\$ -	\$ -	\$ 750,486	\$ -	\$ -	\$ (3,179)	\$ 747,307
Electric - fuel and purchased power	407,063	244,843	(127,348)	524,558	-	-	(11,959)	512,599
Water and sewer	-	-	-	-	398,900	-	(267)	398,633
District energy system	-	-	-	-	-	7,876	(464)	7,412
Other	25,890	-	-	25,890	8,847	-	(2,088)	32,649
Total operating revenues	1,183,439	244,843	(127,348)	1,300,934	407,747	7,876	(17,957)	1,698,600
Operating expenses								
Operations and maintenance:								
Fuel	263,498	152,822	-	416,320	-	-	-	416,320
Purchased power	198,604	-	(127,348)	71,256	-	-	-	71,256
Maintenance and other operating expenses	190,546	40,552	-	231,098	126,046	4,074	(17,957)	343,261
Depreciation	182,370	39,191	-	221,561	130,766	2,166	-	354,493
Utility taxes and fees	53,490	-	-	53,490	9,684	-	-	63,174
Recognition of deferred costs and revenues, net	(3,066)	(11,027)	-	(14,093)	9,163	-	-	(4,930)
Total operating expenses	885,442	221,538	(127,348)	979,632	275,659	6,240	(17,957)	1,243,574
Operating income	297,997	23,305	-	321,302	132,088	1,636	-	455,026
Nonoperating revenues (expenses)								
Interest on debt	(74,398)	(22,071)	-	(96,469)	(54,805)	(1,279)	-	(152,553)
Debt management strategy	(11,987)	-	-	(11,987)	(2,926)	-	-	(14,913)
Investment income, net	4,140	1,138	-	5,278	2,912	37	-	8,227
Allowance for funds used during construction	5,924	-	-	5,924	5,034	23	-	10,981
Other nonoperating income, net	3,963	358	-	4,321	725	-	-	5,046
Earnings from The Energy Authority	5,758	-	-	5,758	-	-	-	5,758
Other interest, net	(385)	-	-	(385)	(34)	-	-	(419)
Total nonoperating expenses, net	(66,985)	(20,575)	-	(87,560)	(49,094)	(1,219)	-	(137,873)
Income before contributions	231,012	2,730	-	233,742	82,994	417	-	317,153
Contributions (to) from								
General Fund, City of Jacksonville, Florida	(84,581)	-	-	(84,581)	(21,590)	-	-	(106,171)
Developers and other	906	-	-	906	63,194	-	-	64,100
Reduction of plant cost through contributions	(906)	-	-	(906)	(39,964)	-	-	(40,870)
Total contributions	(84,581)	-	-	(84,581)	1,640	-	-	(82,941)
Change in net position	146,431	2,730	-	149,161	84,634	417	-	234,212
Net position, beginning of year	832,508	138,802	-	971,310	1,401,047	4,568	-	2,376,925
Net position, end of period	\$ 978,939	\$ 141,532	\$ -	\$ 1,120,471	\$ 1,485,681	\$ 4,985	\$ -	\$ 2,611,137

Statement of Cash Flows
(in thousands - unaudited)

	Year-to-Date August	
	2018	2017
Operating activities		
Receipts from customers	\$ 1,604,750	\$ 1,598,566
Payments to suppliers	(739,941)	(682,341)
Payments to employees	(251,199)	(232,540)
Other operating activities	88,677	30,540
Net cash provided by operating activities	<u>702,287</u>	<u>714,225</u>
Noncapital and related financing activities		
Contribution to General Fund, City of Jacksonville, Florida	(106,856)	(106,049)
Net cash used in noncapital financing activities	<u>(106,856)</u>	<u>(106,049)</u>
Capital and related financing activities		
Defeasance of debt	(993,690)	(159,345)
Proceeds from issuance of debt	821,000	90,405
Acquisition and construction of capital assets	(320,697)	(298,895)
Interest paid on debt	(179,504)	(190,693)
Repayment of debt principal	(229,095)	(181,525)
Capital contributions	24,674	23,230
Other capital financing activities	59,594	(733)
Net cash used in capital and related financing activities	<u>(817,718)</u>	<u>(717,556)</u>
Investing activities		
Purchase of investments	(961,012)	(1,645,141)
Proceeds from sale and maturity of investments	931,375	1,521,695
Investment income, net	10,714	14,420
Distributions from The Energy Authority	2,748	5,715
Net cash provided by (used in) investing activities	<u>(16,175)</u>	<u>(103,311)</u>
Net change in cash and cash equivalents	(238,462)	(212,691)
Cash and cash equivalents, beginning of year	614,034	596,920
Cash and cash equivalents, end of period	<u>\$ 375,572</u>	<u>\$ 384,229</u>
Reconciliation of operating income to net cash provided by operating activities		
Operating income	\$ 384,155	\$ 455,026
Adjustments:		
Depreciation and amortization	333,665	355,724
Recognition of deferred costs and revenues, net	1,116	(4,930)
Other nonoperating income, net	1,079	(1,078)
Changes in noncash assets and noncash liabilities:		
Accounts receivable	44,377	(9,787)
Accounts receivable, restricted	3	3
Inventories	11,485	(25,152)
Other assets	(391)	(389)
Accounts and accrued expenses payable	(36,870)	(2,173)
Current liabilities payable from restricted assets	(20,263)	1,363
Other noncurrent liabilities and deferred inflows	(16,069)	(54,382)
Net cash provided by operating activities	<u>\$ 702,287</u>	<u>\$ 714,225</u>
Noncash activity		
Contributions of capital assets	\$ 49,947	\$ 40,870
Unrealized losses on fair value of investments, net	\$ (1,492)	\$ (7,704)

Combining Statement of Cash Flows

(in thousands - unaudited) for the eleven months ended August 2018

	Electric System and Bulk Power Supply System	SJRPP System	Elimination of Intercompany transactions	Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Eliminations	Total JEA
Operating activities								
Receipts from customers	\$ 1,147,176	\$ 99,932	\$ (32,617)	\$ 1,214,491	\$ 398,016	\$ 7,978	\$ (15,735)	\$ 1,604,750
Payments to suppliers	(610,545)	(80,188)	32,617	(658,116)	(96,852)	(3,266)	18,293	(739,941)
Payments to employees	(149,082)	(44,669)	-	(193,751)	(56,938)	(510)	-	(251,199)
Other operating activities	24,894	55,100	-	79,994	11,241	-	(2,558)	88,677
Net cash provided by operating activities	412,443	30,175	-	442,618	255,467	4,202	-	702,287
Noncapital and related financing activities								
Contribution to General Fund, City of Jacksonville, Florida	(83,916)	-	-	(83,916)	(22,940)	-	-	(106,856)
Net cash used in noncapital financing activities	(83,916)	-	-	(83,916)	(22,940)	-	-	(106,856)
Capital and related financing activities								
Defeasance of debt	(405,105)	(128,280)	-	(533,385)	(460,305)	-	-	(993,690)
Proceeds from issuance of debt	383,840	-	-	383,840	437,160	-	-	821,000
Acquisition and construction of capital assets	(156,634)	-	-	(156,634)	(163,211)	(852)	-	(320,697)
Interest paid on debt	(94,632)	(16,685)	-	(111,317)	(66,816)	(1,371)	-	(179,504)
Repayment of debt principal	(135,105)	(41,330)	-	(176,435)	(51,020)	(1,640)	-	(229,095)
Capital contributions	-	-	-	-	24,674	-	-	24,674
Other capital financing activities	41,806	(7,158)	-	34,648	24,946	-	-	59,594
Net cash used in capital and related financing activities	(365,830)	(193,453)	-	(559,283)	(254,572)	(3,863)	-	(817,718)
Investing activities								
Purchase of investments	(464,262)	(252,594)	-	(716,856)	(244,156)	-	-	(961,012)
Proceeds from sale and maturity of investments	315,425	428,653	-	744,078	187,297	-	-	931,375
Investment income (loss), net	7,634	(2,146)	-	5,488	5,136	90	-	10,714
Distributions from The Energy Authority	2,748	-	-	2,748	-	-	-	2,748
Net cash provided by (used in) investing activities	(138,455)	173,913	-	35,458	(51,723)	90	-	(16,175)
Net change in cash and cash equivalents	(175,758)	10,635	-	(165,123)	(73,768)	429	-	(238,462)
Cash and cash equivalents, beginning of year	340,063	121,027	-	461,090	145,909	7,035	-	614,034
Cash and cash equivalents, end of period	\$ 164,305	\$ 131,662	\$ -	\$ 295,967	\$ 72,141	\$ 7,464	\$ -	\$ 375,572
Reconciliation of operating income to net cash provided by operating activities								
Operating income	\$ 238,767	\$ 23,787	\$ -	\$ 262,554	\$ 119,698	\$ 1,903	\$ -	\$ 384,155
Adjustments:								
Depreciation and amortization	187,166	10,953	-	198,119	133,346	2,200	-	333,665
Recognition of deferred costs and revenues, net	(2,497)	(1,547)	-	(4,044)	5,160	-	-	1,116
Other nonoperating income, net	109	700	-	809	270	-	-	1,079
Changes in noncash assets and noncash liabilities:								
Accounts receivable	30,356	13,359	-	43,715	539	123	-	44,377
Accounts receivable, restricted	-	-	-	-	3	-	-	3
Inventories	1,507	16,989	-	18,496	(7,011)	-	-	11,485
Other assets	(1,020)	-	-	(1,020)	630	(1)	-	(391)
Accounts and accrued expenses payable	(19,274)	(12,250)	-	(31,524)	(5,300)	(46)	-	(36,870)
Current liabilities payable from restricted assets	-	(20,263)	-	(20,263)	-	-	-	(20,263)
Other noncurrent liabilities and deferred inflows	(22,671)	(1,553)	-	(24,224)	8,132	23	-	(16,069)
Net cash provided by operating activities	\$ 412,443	\$ 30,175	\$ -	\$ 442,618	\$ 255,467	\$ 4,202	\$ -	\$ 702,287
Noncash activity								
Contributions of capital assets	\$ 1,479	\$ -	\$ -	\$ 1,479	\$ 48,468	\$ -	\$ -	\$ 49,947
Unrealized gains (losses) on fair value of investments, net	\$ (3,142)	\$ 4,165	\$ -	\$ 1,023	\$ (2,515)	\$ -	\$ -	\$ (1,492)

	Electric System and Bulk Power Supply System	SJRPP System	Elimination of Intercompany transactions	Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Eliminations	Total JEA
Operating activities								
Receipts from customers	\$ 1,102,814	\$ 231,535	\$ (128,486)	\$ 1,205,863	\$ 400,681	\$ 7,891	\$ (15,869)	\$ 1,598,566
Payments to suppliers	(556,055)	(184,212)	128,486	(611,781)	(84,788)	(3,729)	17,957	(682,341)
Payments to employees	(148,386)	(28,777)	-	(177,163)	(54,908)	(469)	-	(232,540)
Other operating activities	25,084	-	-	25,084	7,544	-	(2,088)	30,540
Net cash provided by operating activities	423,457	18,546	-	442,003	268,529	3,693	-	714,225
Noncapital and related financing activities								
Contribution to General Fund, City of Jacksonville, Florida	(84,536)	-	-	(84,536)	(21,513)	-	-	(106,049)
Net cash used in noncapital financing activities	(84,536)	-	-	(84,536)	(21,513)	-	-	(106,049)
Capital and related financing activities								
Defeasance of debt	(153,210)	-	-	(153,210)	(6,135)	-	-	(159,345)
Proceeds from issuance of debt	90,405	-	-	90,405	-	-	-	90,405
Acquisition and construction of capital assets	(137,685)	-	-	(137,685)	(159,213)	(1,997)	-	(298,895)
Interest paid on debt	(100,587)	(20,227)	-	(120,814)	(68,489)	(1,390)	-	(190,693)
Repayment of debt principal	(102,240)	(43,785)	-	(146,025)	(33,875)	(1,625)	-	(181,525)
Capital contributions	-	-	-	-	23,230	-	-	23,230
Other capital financing activities	(1,839)	195	-	(1,644)	911	-	-	(733)
Net cash used in capital and related financing activities	(405,156)	(63,817)	-	(468,973)	(243,571)	(5,012)	-	(717,556)
Investing activities								
Purchase of investments	(563,030)	(550,967)	-	(1,113,997)	(531,144)	-	-	(1,645,141)
Proceeds from sale and maturity of investments	534,185	529,185	-	1,063,370	458,325	-	-	1,521,695
Investment income, net	5,730	3,411	-	9,141	5,242	37	-	14,420
Distributions from The Energy Authority	5,715	-	-	5,715	-	-	-	5,715
Net cash provided by (used in) investing activities	(17,400)	(18,371)	-	(35,771)	(67,577)	37	-	(103,311)
Net change in cash and cash equivalents	(83,635)	(63,642)	-	(147,277)	(64,132)	(1,282)	-	(212,691)
Cash and cash equivalents, beginning of year	295,223	130,018	-	425,241	163,138	8,541	-	596,920
Cash and cash equivalents, end of period	\$ 211,588	\$ 66,376	\$ -	\$ 277,964	\$ 99,006	\$ 7,259	\$ -	\$ 384,229
Reconciliation of operating income to net cash provided by (used in) operating activities								
Operating income	\$ 297,997	\$ 23,305	\$ -	\$ 321,302	\$ 132,088	\$ 1,636	\$ -	\$ 455,026
Adjustments:								
Depreciation and amortization	182,370	39,191	-	221,561	131,997	2,166	-	355,724
Recognition of deferred costs and revenues, net	(3,066)	(11,027)	-	(14,093)	9,163	-	-	(4,930)
Other nonoperating income (loss), net	39	-	-	39	(1,117)	-	-	(1,078)
Changes in noncash assets and noncash liabilities:								
Accounts receivable	143	(13,308)	-	(13,165)	3,363	15	-	(9,787)
Accounts receivable, restricted	-	-	-	-	3	-	-	3
Inventories	(1,818)	(19,506)	-	(21,324)	(3,828)	-	-	(25,152)
Other assets	(365)	-	-	(365)	(23)	(1)	-	(389)
Accounts and accrued expenses payable	2,035	(2,024)	-	11	(2,091)	(93)	-	(2,173)
Current liabilities payable from restricted assets	-	1,363	-	1,363	-	-	-	1,363
Other noncurrent liabilities and deferred inflows	(53,878)	552	-	(53,326)	(1,026)	(30)	-	(54,382)
Net cash provided by operating activities	\$ 423,457	\$ 18,546	\$ -	\$ 442,003	\$ 268,529	\$ 3,693	\$ -	\$ 714,225
Noncash activity								
Contributions of capital assets	\$ 906	\$ -	\$ -	\$ 906	\$ 39,964	\$ -	\$ -	\$ 40,870
Unrealized losses on fair value of investments, net	\$ (2,292)	\$ (2,468)	\$ -	\$ (4,760)	\$ (2,944)	\$ -	\$ -	\$ (7,704)

Electric System and Plant Scherer

Changes in Debt Service, R & R and Construction Funds

(in thousands - unaudited) for the eleven months ended August 2018 and August 2017

	August 2018			August 2017		
	Debt service funds	Renewal and replacement funds	Construction funds	Debt service funds	Renewal and replacement funds	Construction funds
Beginning balance	\$ 239,961	\$ 225,985	\$ -	\$ 210,066	\$ 193,947	\$ -
Additions:						
R & R and OCO	-	149,141	-	-	187,015	-
Revenue transfers for debt service	191,504	-	-	196,701	-	-
Debt issuance	-	-	805	-	-	430
Proceeds from property sales	-	19,111	-	-	2,273	-
Total additions	191,504	168,252	805	196,701	189,288	430
Deductions:						
Debt service payments	215,276	-	-	186,495	-	-
Increase in utility plant	-	146,420	-	-	131,006	-
Debt service reserve releases	-	-	-	-	37,200	-
Decrease in accounts payable	-	11,429	-	-	6,655	-
Debt issue costs and discounts	-	-	582	-	-	391
Total deductions	215,276	157,849	582	186,495	174,861	391
Ending balance	\$ 216,189	\$ 236,388	\$ 223	\$ 220,272	\$ 208,374	\$ 39
Recap:						
Renewal and replacement fund:						
Cash & investments		\$ 213,923			\$ 206,587	
Storm costs to be recovered		14,402			-	
Accounts / notes receivable:						
Accounts receivable		8,043			1,739	
Street light & other customer loans		20			48	
		<u>\$ 236,388</u>			<u>\$ 208,374</u>	
Construction fund:						
Generation projects			\$ 110			\$ 32
T&D and other capital projects			113			7
			<u>\$ 223</u>			<u>\$ 39</u>

Water and Sewer System

Changes in Debt Service, R & R and Construction Funds

(in thousands - unaudited) for the eleven months ended August 2018 and August 2017

	August 2018				August 2017			
	Debt service funds	Renewal and replacement funds	Construction funds	Environmental funds	Debt service funds	Renewal and replacement funds	Construction funds	Environmental funds
Beginning balance	\$ 189,696	\$ 155,284	\$ 15	\$ 1,838	\$ 173,496	\$ 179,513	\$ 152	\$ 2,659
Additions:								
R & R and OCO	-	149,580	-	-	-	132,335	-	-
Revenue transfers for debt service	104,139	-	-	-	105,274	-	-	-
Contribution in aid of construction	-	24,674	-	-	-	23,230	-	-
Debt issuance	-	-	894	-	-	-	-	-
Proceeds from property sales	-	250	-	-	-	54	-	-
Septic tank phase out fees	-	-	-	-	-	87	-	-
Total additions	104,139	174,504	894	-	105,274	155,706	-	-
Deductions:								
Debt service payments	114,254	-	-	-	97,909	-	-	-
Increase in utility plant	-	135,742	-	-	-	136,854	(167)	-
Debt service reserve releases	4,638	-	-	-	598	-	-	-
Decrease in accounts payable	-	20,943	-	1,377	-	12,163	167	1,838
Debt issue costs and discounts	-	-	589	-	-	-	-	-
Total deductions	118,892	156,685	589	1,377	98,507	149,017	-	1,838
Ending balance	\$ 174,943	\$ 173,103	\$ 320	\$ 461	\$ 180,263	\$ 186,202	\$ 152	\$ 821
Renewal and replacement fund								
Cash & investments		\$ 168,558				\$ 186,188		
Storm costs to be recovered		4,537				-		
Accounts / notes receivable:								
Accounts receivable		-				2		
Notes receivable		8				12		
		\$ 173,103				\$ 186,202		
Construction fund:								
Project funds			\$ 320			\$ 152		
			\$ 320			\$ 152		
Environmental fund:								
Cash & investments			\$ 461				\$ 821	
			\$ 461				\$ 821	

Electric System	Month				Prior Year Month	
	ANNUAL BUDGET 2017-18	BUDGET 2017-18	ACTUAL 2017-18	Variance %	ACTUAL 2016-17	Variance %
Budget vs. Actual						
August 2018 and 2017						
Fuel Related Revenues & Expenses						
Fuel Rate Revenues	\$ 417,649,053	\$ 41,368,069	\$ 40,280,293	-2.63%	\$ 40,625,318	-0.85%
Fuel Expense and Purchased Power:						
Fuel Expense - Electric System	315,411,659	31,769,643	34,260,140		26,687,648	
Fuel Expense - SJRPP	37,886,015	-	6,365		10,125,880	
Other Purchased Power	96,315,996	10,417,810	10,887,394		7,953,677	
Subtotal Energy Expense	449,613,670	42,187,453	45,153,899	-7.03%	44,767,205	-0.86%
Transfer to (from) Rate Stabilization, Net	(32,799,915)	-	(4,931,545)		(4,206,815)	
Fuel Related Uncollectibles	835,298	52,206	57,939		64,928	
Total	417,649,053	42,239,659	40,280,293	4.64%	40,625,318	0.85%
Fuel Balance	-	(871,590)	-		-	
Nonfuel Related Revenues						
Base Rate Revenues	802,292,405	79,466,928	76,906,204		77,411,393	
Conservation Charge Revenue	1,000,000	99,049	100,906		120,919	
Environmental Charge Revenue	7,942,200	786,674	764,125		771,367	
Investment Income	6,714,534	559,544	685,378		763,719	
Natural Gas Revenue Pass Through	2,383,913	198,659	43,681		42,955	
Other Revenues	30,551,894	2,545,991	2,252,388		2,715,552	
Total	850,884,946	83,656,845	80,752,682	-3.47%	81,825,905	-1.31%
Nonfuel Related Expenses						
Non-Fuel O&M	216,333,937	17,840,202	16,550,810		15,607,181	
DSM / Conservation O&M	7,892,054	651,385	486,807		385,263	
Environmental O&M	2,050,500	171,588	56,440		127,051	
Rate Stabilization - DSM	(382,054)	(31,838)	202,755		364,734	
Rate Stabilization - Environmental	5,891,700	490,975	706,512		644,316	
Natural Gas Expense Pass Through	2,290,414	190,086	43,786		49,153	
Debt Principal - Electric System	124,185,000	10,348,750	10,433,929		12,775,325	
Debt Interest - Electric System	94,262,937	7,855,245	7,366,171		7,624,159	
Bond Buy-Back Principal - Electric System	10,110,614	842,551	-		-	
R&R - Electric System	65,608,800	5,467,400	5,467,400		5,183,192	
Operating Capital Outlay	139,586,200	(13,000,000)	(13,000,000)		25,000,000	
City Contribution Expense	91,471,795	7,622,650	7,622,650		7,689,224	
Taxes & Uncollectibles	1,210,993	118,318	127,023		139,620	
Emergency Reserve	5,000,000	-	-		-	
<i>Nonfuel Purchased Power:</i>						
* SJRPP D/S Principal	7,812,969	651,081	143,333		2,208,073	
* SJRPP D/S Interest	12,150,065	1,012,505	903,151		1,317,009	
** Other Non-Fuel Purchased Power	65,409,021	5,689,752	44,454,536		3,155,603	
Total Nonfuel Expenses	850,884,946	45,920,650	81,565,303	-77.62%	82,269,903	0.86%
Non-Fuel Balance	-	37,736,195	(812,621)		(443,998)	
Total Balance	-	36,864,605	(812,621)		(443,998)	
Total Revenues	1,268,533,999	125,024,914	121,032,975	-3.19%	122,451,223	-1.16%
Total Expenses	1,268,533,999	88,160,309	121,845,596	-38.21%	122,895,221	0.85%
KWH Sold - Territorial	13,020,000,000	1,289,628,822	1,249,276,224	-3.13%	1,260,217,000	-0.87%
KWH Sold - Off System	-	-	666,000		15,345,000	
	13,020,000,000	1,289,628,822	1,249,942,224	-3.08%	1,275,562,000	-2.01%

* Gross debt service

** Includes transmission capacity, SJRPP and Scherer R & R, O & M and Investment Income.

Electric System	Year-to-Date				Prior Year-to-Date	
	ANNUAL BUDGET 2017-18	BUDGET 2017-18	ACTUAL 2017-18	Variance %	ACTUAL 2016-17	Variance %
Budget vs. Actual						
August 2018 and 2017						
Fuel Related Revenues & Expenses						
Fuel Rate Revenues	\$ 417,649,053	\$ 380,468,787	\$ 359,702,938	-5.46%	\$ 360,344,315	-0.18%
Fuel Expense and Purchased Power:						
Fuel Expense - Electric System	315,411,659	289,449,906	294,344,118		229,768,399	
Fuel Expense - SJRPP	37,886,015	37,886,015	33,198,810		91,626,959	
Other Purchased Power	96,315,996	86,748,488	99,664,413		80,837,405	
Subtotal Energy Expense	449,613,670	414,084,409	427,207,341	-3.17%	402,232,763	-6.21%
Transfer to (from) Rate Stabilization, Net	(32,799,915)	-	(67,901,408)		(42,066,549)	
Fuel Related Uncollectibles	835,298	574,267	397,005		178,101	
Total	417,649,053	414,658,676	359,702,938	13.25%	360,344,315	0.18%
Fuel Balance	-	(34,189,889)	-		-	
Nonfuel Related Revenues						
Base Rate Revenues	802,292,405	730,870,131	691,167,815		677,140,090	
Conservation Charge Revenue	1,000,000	910,965	779,882		563,763	
Environmental Charge Revenue	7,942,200	7,235,164	6,839,647		6,740,020	
Investment Income	6,714,534	6,154,989	8,842,630		6,404,128	
Natural Gas Revenue Pass Through	2,383,913	2,185,253	507,500		456,101	
Other Revenues	30,551,894	28,005,903	23,376,658		90,753,287	
Total	850,884,946	775,362,405	731,514,132	-5.66%	782,057,389	-6.46%
Nonfuel Related Expenses						
Non-Fuel O&M	216,333,937	187,487,698	172,672,746		164,974,812	
DSM / Conservation O&M	7,892,054	7,240,669	5,819,702		5,577,259	
Environmental O&M	2,050,500	1,858,971	878,686		753,234	
Rate Stabilization - DSM	(382,054)	(350,216)	493,348		420,718	
Rate Stabilization - Environmental	5,891,700	5,400,725	5,960,961		5,986,786	
Natural Gas Expense Pass Through	2,290,414	2,100,328	602,055		565,666	
Debt Principal - Electric System	124,185,000	113,836,250	114,546,071		117,124,675	
Debt Interest - Electric System	94,262,937	86,407,693	82,084,577		86,924,518	
Bond Buy-Back Principal - Electric System	10,110,614	9,268,063	-		69,099,658	
Rate Stabilization - Debt Management	-	-	-		(12,242,000)	
R&R - Electric System	65,608,800	60,141,400	60,141,400		57,015,108	
Operating Capital Outlay	139,586,200	89,000,000	89,000,000		130,000,000	
City Contribution Expense	91,471,795	83,849,145	83,849,145		84,581,468	
Taxes & Uncollectibles	1,210,993	1,301,499	941,050		520,739	
Emergency Reserve	5,000,000	-	-		-	
<i>Nonfuel Purchased Power:</i>						
* SJRPP D/S Principal	7,812,969	7,161,888	7,669,635		24,288,812	
* SJRPP D/S Interest	12,150,065	11,137,560	10,879,460		14,487,101	
** Other Non-Fuel Purchased Power	65,409,021	59,719,269	95,137,436		30,607,241	
Total Nonfuel Expenses	850,884,946	725,560,942	730,676,271	-0.71%	780,685,795	6.41%
Non-Fuel Balance	-	49,801,463	837,861		1,371,594	
Total Balance	-	15,611,574	837,861		1,371,594	
Total Revenues	1,268,533,999	1,155,831,192	1,091,217,070	-5.59%	1,142,401,704	-4.48%
Total Expenses	1,268,533,999	1,140,219,618	1,090,379,209	4.37%	1,141,030,110	4.44%
KWH Sold - Territorial	13,020,000,000	11,860,923,906	11,167,964,933	-5.84%	10,997,767,342	1.55%
KWH Sold - Off System	-	-	34,756,000	-	138,937,000	-
	13,020,000,000	11,860,923,906	11,202,720,933	-5.55%	11,136,704,342	0.59%

* Gross debt service

** Includes transmission capacity, SJRPP and Scherer R & R, O & M and Investment Income.

Water and Sewer System

Budget vs. Actual August 2018 and 2017	Month				Prior Year Month	
	ANNUAL BUDGET 2017-18	BUDGET 2017-18	ACTUAL 2017-18	Variance %	ACTUAL 2016-17	Variance %

REVENUES

Water & Sewer Revenues	\$ 456,850,720	\$ 40,010,943	\$ 37,227,611		\$ 34,957,894	
Capacity & Extension Fees	21,000,000	1,843,781	2,099,910		2,595,734	
Capital Contributions	-	-	-		-	
Investment Income	4,854,301	404,525	516,689		709,785	
Other Income	34,091,486	4,176,637	3,990,737		1,082,090	
Total	516,796,507	46,435,886	43,834,947	-5.60%	39,345,503	11.41%

EXPENSES

O & M Expenses	154,382,393	12,762,995	12,709,073		12,780,255	
Debt Principal - Water & Sewer	51,720,000	4,310,000	4,310,000		4,251,667	
Debt Interest - Water & Sewer	69,402,632	5,783,552	5,389,664		5,591,795	
Bond Buy-Back Principal - Water & Sewer	-	-	-		6,155,451	
Rate Stabilization - Debt Management	-	-	-		(6,081,000)	
Rate Stabilization - Environmental	-	-	924,689		415,547	
R&R - Water & Sewer	24,473,800	2,039,483	2,039,483		1,897,242	
Operating Capital Outlay	151,801,519	13,346,770	13,346,770		8,712,602	
Operating Capital Outlay - Capacity/Extension	21,000,000	1,750,000	2,099,910		2,595,733	
Operating Capital Outlay - Contributions	-	-	-		-	
Operating Capital Outlay - Environmental	17,182,866	1,448,267	295,588		770,231	
City Contribution Expense	25,148,020	2,095,668	2,095,668		1,962,688	
Uncollectibles & Fees	685,277	57,106	52,275		51,648	
Emergency Reserve	1,000,000	-	-		-	
Total Expenses	516,796,507	43,593,841	43,263,120	0.76%	39,103,859	-10.64%

Total Balance

Total Balance	\$ -	\$ 2,842,045	\$ 571,827		\$ 241,644	
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Sales kgals

Water	42,000,000	3,726,842	3,156,643	-15.30%	3,043,379	3.72%
Sewer	34,650,000	3,136,140	2,587,630	-17.49%	2,431,967	6.40%
Total	76,650,000	6,862,982	5,744,273	-16.30%	5,475,346	4.91%

Budget vs. Actual August 2018 and 2017	Year-To-Date				Prior Year to Date	
	ANNUAL BUDGET 2017-18	BUDGET 2017-18	ACTUAL 2017-18	Variance %	ACTUAL 2016-17	Variance %

REVENUES

Water & Sewer Revenues	\$ 456,850,720	\$ 418,480,974	\$ 388,182,684		\$ 387,642,101	
Capacity & Extension Fees	21,000,000	19,188,472	24,629,349		23,205,674	
Capital Contributions	-	-	44,638		24,799	
Investment Income	4,854,301	4,449,776	5,889,720		5,814,824	
Other Income	34,091,486	32,197,971	33,297,579		10,725,994	
Total	516,796,507	474,317,193	452,043,970	-4.70%	427,413,392	5.76%

EXPENSES

O & M Expenses	154,382,393	139,375,796	130,419,689		124,116,031	
Debt Principal - Water & Sewer	51,720,000	47,410,000	47,410,000		46,768,333	
Debt Interest - Water & Sewer	69,402,632	63,619,080	60,293,480		62,631,404	
Bond Buy-Back Principal - Water & Sewer	-	-	-		6,155,451	
Rate Stabilization - Debt Management	-	-	-		(6,081,000)	
Rate Stabilization - Environmental	-	-	7,716,418		4,201,386	
R&R - Water & Sewer	24,473,800	22,434,317	22,434,317		20,869,658	
Operating Capital Outlay	151,801,519	127,145,589	127,145,589		111,465,759	
Operating Capital Outlay - Capacity/Extension	21,000,000	19,250,000	24,629,349		23,205,674	
Operating Capital Outlay - Contributions	-	-	44,638		24,799	
Operating Capital Outlay - Environmental	17,182,866	15,668,599	5,160,245		9,249,324	
City Contribution Expense	25,148,020	23,052,352	23,052,352		21,589,570	
Uncollectibles & Fees	685,277	628,170	543,332		215,221	
Interlocal Agreements	-	-	346,727		287,373	
Emergency Reserve	1,000,000	-	-		-	
Total Expenses	516,796,507	458,583,903	449,196,136	2.05%	424,698,983	-5.77%

Total Balance

Total Balance	\$ -	\$ 15,733,290	\$ 2,847,834		\$ 2,714,409	
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Sales kgals

Water	42,000,000	38,543,151	33,012,382	-14.35%	34,247,664	-3.61%
Sewer	34,650,000	31,693,221	26,959,493	-14.94%	27,532,918	-2.08%
Total	76,650,000	70,236,372	59,971,875	-14.61%	61,780,582	-2.93%

District Energy System Budget vs. Actual August 2018 and 2017	Month				Prior Year Month	
	ANNUAL BUDGET 2017-18	BUDGET 2017-18	ACTUAL 2017-18	Variance %	ACTUAL 2016-17	Variance %
REVENUES						
Revenues	\$ 9,125,828	\$ 926,268	\$ 851,685		\$ 890,346	
Investment Income	-	-	12,000		6,537	
Total	9,125,828	926,268	863,685	-6.76%	896,883	-3.70%
EXPENSES						
O & M Expenses	5,139,991	531,073	146,170		465,445	
Debt Principal - DES	1,660,000	138,333	138,333		136,667	
Debt Interest - DES	1,359,084	113,257	113,257		115,204	
R&R - DES	440,362	36,697	36,404		36,471	
Operating Capital Outlay	526,391	43,866	-		-	
Total Expenses	9,125,828	863,226	434,164	49.70%	753,787	42.40%
Total Balance	\$ -	\$ 63,042	\$ 429,521		\$ 143,096	

Budget vs. Actual August 2018 and 2017	Year-To-Date				Prior-Year-to-Date	
	ANNUAL BUDGET 2017-18	BUDGET 2017-18	ACTUAL 2017-18	Variance %	ACTUAL 2016-17	Variance %
REVENUES						
Revenues	\$ 9,125,828	\$ 8,220,022	\$ 7,855,192		\$ 7,876,351	
Investment Income	-	-	90,276		37,005	
Total	9,125,828	8,220,022	7,945,468	-3.34%	7,913,356	0.41%
EXPENSES						
O & M Expenses	5,139,991	4,503,885	3,756,512		4,080,006	
Debt Principal - DES	1,660,000	1,521,667	1,521,667		1,503,333	
Debt Interest - DES	1,359,084	1,245,827	1,245,827		1,267,249	
R&R - DES	440,362	403,665	400,446		401,179	
Operating Capital Outlay	526,391	482,526	-		200,000	
Total Expenses	9,125,828	8,157,570	6,924,452	15.12%	7,451,767	7.08%
Total Balance	\$ -	\$ 62,452	\$ 1,021,016		\$ 461,589	

Electric System
Schedule of Debt Service Coverage
(in thousands - unaudited)

	Month		Year-to-Date	
	2018	August	2018	August
Revenues				
Electric	\$ 123,570	\$ 125,256	\$ 1,112,228	\$ 1,101,388
Investment income ⁽¹⁾	685	643	7,601	5,125
Earnings from The Energy Authority	(53)	373	3,120	5,758
Other, net ⁽²⁾	1,966	2,427	20,176	25,925
Plus: amount paid from the rate stabilization fund into the revenue fund	6,415	5,540	86,010	70,994
Less: amount paid from the revenue fund into the rate stabilization fund	(41,396)	(1,397)	(53,862)	(14,833)
Total revenues	91,187	132,842	1,175,273	1,194,357
Operating expenses ⁽³⁾				
Fuel	34,260	26,688	294,344	229,768
Purchased power ⁽⁴⁾	17,357	26,677	221,464	258,990
Other operations and maintenance	17,319	17,154	179,783	173,193
Utility taxes and fees	5,678	5,919	53,923	52,418
Total operating expenses	74,614	76,438	749,514	714,369
Net revenues	\$ 16,573	\$ 56,404	\$ 425,759	\$ 479,988
Debt service	\$ 6,116	\$ 5,965	\$ 65,863	\$ 65,576
Less: investment income on sinking fund	(3)	(122)	(1,256)	(1,307)
Less: Build America Bonds subsidy	(127)	(126)	(1,394)	(1,389)
Debt service requirement	\$ 5,986	\$ 5,717	\$ 63,213	\$ 62,880
Senior debt service coverage ⁽⁵⁾	2.77 x	9.87 x	6.74 x	7.63 x
Net revenues (from above)	\$ 16,573	\$ 56,404	\$ 425,759	\$ 479,988
Debt service requirement (from above)	\$ 5,986	\$ 5,717	\$ 63,213	\$ 62,880
Plus: aggregate subordinated debt service on outstanding subordinated bonds	10,833	13,401	118,643	124,488
Less: Build American Bonds subsidy	(170)	(172)	(1,874)	(1,897)
Total debt service requirement and aggregate subordinated debt service	\$ 16,649	\$ 18,946	\$ 179,982	\$ 185,471
Senior and subordinated debt service coverage ⁽⁶⁾	1.00 x	2.98 x	2.37 x	2.59 x
Fixed charge coverage ⁽⁷⁾	0.58 x	2.28 x	1.78 x	1.90 x

⁽¹⁾ Excludes investment income on sinking funds.

⁽²⁾ Excludes the Build America Bonds subsidy.

⁽³⁾ Excludes depreciation and recognition of deferred costs and revenues, net.

⁽⁴⁾ In accordance with the requirements of the Electric System Resolution, all the contract debt payments from the Electric System to the SJRPP and Bulk Power Supply System with respect to the use by the Electric System of the capacity and output of the SJRPP and Bulk Power Systems are reflected as a purchased power expense on these schedules. These schedules do not include revenues of the SJRPP and Bulk Power Supply System, except that the purchased power expense is net of interest income on funds maintained under the SJRPP and Bulk Power Supply System resolutions.

⁽⁵⁾ Net revenues divided by debt service requirement. Minimum annual coverage is 1.20x.

⁽⁶⁾ Net revenues divided by total debt service requirement and aggregate subordinated debt service. Minimum annual coverage is 1.15x.

⁽⁷⁾ Net revenues plus JEA's share of SJRPP's and Bulk Power Supply System's debt service less city contribution divided by the sum of the adjusted debt service requirement and JEA's share of SJRPP's and Bulk Power Supply System's debt service.

JEA
Bulk Power Supply System
Schedule of Debt Service Coverage
(in thousands - unaudited)

	Month August		Year-to-Date August	
	2018	2017	2018	2017
Revenues				
Operating	\$ 7,359	\$ 5,360	\$ 69,524	\$ 60,386
Investment income	10	10	137	124
Total revenues	7,369	5,370	69,661	60,510
Operating expenses ⁽¹⁾				
Fuel	3,381	2,843	25,033	33,730
Other operations and maintenance	1,110	1,160	16,130	13,361
Total operating expenses	4,491	4,003	41,163	47,091
Net revenues	\$ 2,878	\$ 1,367	\$ 28,498	\$ 13,419
Aggregate debt service	\$ 828	\$ 807	\$ 9,114	\$ 8,873
Less: Build America Bonds subsidy	(56)	(58)	(612)	(641)
Aggregate debt service	\$ 772	\$ 749	\$ 8,502	\$ 8,232
Debt service coverage ⁽²⁾	3.73 x	1.83 x	3.35 x	1.63 x

⁽¹⁾ Excludes all current expenses paid or accrued to the extent that such expenses are to be paid from revenues.

⁽²⁾ Net revenues divided by aggregate debt service. Minimum annual coverage is 1.15x.

JEA
St. Johns River Power Park System
Schedule of Debt Service Coverage - 1st Resolution
(in thousands - unaudited)

	Month August		Year-to-Date August	
	2018	2017	2018	2017
Revenues				
JEA	\$ -	\$ 12,134	\$ 98,013	\$ 120,648
FPL	-	13,039	28,360	117,495
Investment income	-	313	(4,289)	3,396
Total revenues	-	25,486	122,084	241,539
Operating expenses ⁽¹⁾				
Fuel	-	18,331	48,858	152,822
Other operations and maintenance	-	2,246	11,877	35,108
Total operating expenses	-	20,577	60,735	187,930
Net revenues	\$ -	\$ 4,909	\$ 61,349	\$ 53,609
Aggregate debt service	\$ -	\$ 3,960	\$ 11,260	\$ 43,560
Debt service coverage ⁽²⁾	N/A x	1.24 x	5.45 x	1.23 x

⁽¹⁾ Excludes depreciation and recognition of deferred costs and revenues, net.

⁽²⁾ Net revenues divided by aggregate debt service. Semiannual minimum coverage was 1.25x, however, there is currently no debt outstanding under the resolution and the resolution has been discharged and satisfied in accordance with its terms.

St. Johns River Power Park System
Schedule of Debt Service Coverage - 2nd Resolution
(in thousands - unaudited)

	Month August		Year-to-Date August	
	2018	2017	2018	2017
Revenues				
Operating	\$ 2,007	\$ 1,047	\$ 15,796	\$ 13,022
Investment income	323	14	1,224	210
Total revenues	2,330	1,061	17,020	13,232
Operating expenses	791	-	3,114	-
Net revenues	\$ 1,539	\$ 1,061	\$ 13,906	\$ 13,232
Aggregate debt service	\$ 1,077	\$ 1,079	\$ 11,848	\$ 11,871
Less: Build America Bonds subsidy	(31)	(33)	(337)	(357)
Aggregate debt service	\$ 1,046	\$ 1,046	\$ 11,511	\$ 11,514
Debt service coverage ⁽¹⁾	1.47 x	1.01 x	1.21 x	1.15 x

⁽¹⁾ Net revenues divided by aggregate debt service. Semiannual minimum coverage is 1.15x.

**Water and Sewer
Schedule of Debt Service Coverage
(in thousands - unaudited)**

	Month August		Year-to-Date August	
	2018	2017	2018	2017
Revenues				
Water	\$ 15,009	\$ 14,363	\$ 157,458	\$ 160,688
Water capacity fees	793	926	8,630	8,299
Sewer	23,057	21,449	239,797	236,418
Sewer capacity fees	1,307	1,670	16,000	14,907
Investment Income	521	714	5,916	5,857
Other ⁽¹⁾	1,158	870	10,727	8,847
Plus: amounts paid from the rate stabilization fund into the revenue fund	1,159	7,705	14,067	23,927
Less: amounts paid from the revenue fund into the rate stabilization fund	(2,084)	(2,039)	(21,784)	(22,133)
Total revenues	40,920	45,658	430,811	436,810
Operating expenses				
Operations and maintenance ⁽²⁾	13,701	14,097	142,966	135,730
Total operating expenses	13,701	14,097	142,966	135,730
Net revenues	\$ 27,219	\$ 31,561	\$ 287,845	\$ 301,080
Aggregate debt service	\$ 7,987	\$ 8,148	\$ 87,833	\$ 89,548
Less: Build America Bonds subsidy	(208)	(208)	(2,287)	(2,291)
Aggregate debt service	\$ 7,779	\$ 7,940	\$ 85,546	\$ 87,257
Senior debt service coverage ⁽³⁾	3.50 x	3.97 x	3.36 x	3.45 x
Net revenues (from above)	\$ 27,219	\$ 31,561	\$ 287,845	\$ 301,080
Aggregate debt service (from above)	\$ 7,779	\$ 7,940	\$ 85,546	\$ 87,257
Plus: aggregate subordinated debt service on outstanding subordinated debt	1,532	1,470	16,554	16,134
Total aggregate debt service and aggregate subordinated debt service	\$ 9,311	\$ 9,410	\$ 102,100	\$ 103,391
Senior and subordinated debt service coverage excluding capacity fees ⁽⁴⁾	2.70 x	3.08 x	2.58 x	2.69 x
Senior and subordinated debt service coverage including capacity fees ⁽⁴⁾	2.92 x	3.35 x	2.82 x	2.91 x
Fixed charge coverage	2.70 x	3.15 x	2.59 x	2.70 x

⁽¹⁾ Excludes the Build America Bonds subsidy.

⁽²⁾ Excludes depreciation and recognition of deferred costs and revenues, net.

⁽³⁾ Net revenues divided by aggregate debt service. Minimum annual coverage is 1.25x.

⁽⁴⁾ Net revenues divided by total aggregate debt service and aggregate subordinated debt service. Minimum annual coverage is either 1.00x aggregate debt service and aggregate subordinated debt service (excluding capacity charges) or the sum of 1.00x aggregate debt service and 1.20x aggregate subordinated debt service (including capacity

**District Energy System
Schedule of Debt Service Coverage
(in thousands - unaudited)**

	Month August		Year-to-Date August	
	2018	2017	2018	2017
Revenues				
Service revenues	\$ 851	\$ 890	\$ 7,855	\$ 7,876
Investment income	12	7	90	37
Total revenues	863	897	7,945	7,913
Operating expenses ⁽¹⁾				
Operations and maintenance	147	473	3,752	4,074
Total operating expenses	147	473	3,752	4,074
Net revenues	\$ 716	\$ 424	\$ 4,193	\$ 3,839
Aggregate debt service ⁽²⁾	\$ 251	\$ 252	\$ 2,767	\$ 2,771
Debt service coverage ⁽³⁾	2.85 x	1.68 x	1.52 x	1.39 x

⁽¹⁾ Excludes depreciation.

⁽²⁾ On June 19, 2013, the closing date of the District Energy System Refunding Revenue Bonds, 2013 Series A, the JEA covenanted to deposit into the 2013 Series A Bonds Subaccount from Available Water and Sewer System Revenues an amount equal to the Aggregate DES Debt Service Deficiency that exists with respect to the 2013 Series A Bonds, in the event that the amount on deposit in the Debt Service Account in the Debt Service Fund in accordance with the District Energy System Resolution is less than Accrued Aggregate Debt Service as of the last business day of the then current month.

⁽³⁾ Net revenues divided by aggregate debt service. Minimum annual coverage is 1.15x.

Issue/Average Coupon Rate	Interest Rates	Principal Payment Dates	Par Amount Principal Outstanding	Current Portion of Long-Term Debt
Electric System - Fixed Rate Bonds				
Series Three 2004 A	5.000%	2039	\$ 5,000	\$ -
Series Three 2005 B	4.750%	2033	100,000	-
Series Three 2009 D - BABs	6.056%	2033-2044	45,955,000	-
Series Three 2010 A	4.000%	2018-2019	10,065,000	4,995,000
Series Three 2010 C	4.125 - 4.500%	2026-2031	1,950,000	-
Series Three 2010 D	4.250 - 5.000%	2018-2038	7,210,000	6,005,000
Series Three 2010 E - BABs	5.350 - 5.482%	2028-2040	34,255,000	-
Series Three 2012A	4.000 - 4.500%	2023-2033	16,995,000	-
Series Three 2012B	2.000 - 5.000%	2019-2039	85,615,000	-
Series Three 2013A	3.000 - 5.000%	2018-2026	74,865,000	9,100,000
Series Three 2013B	3.000 - 5.000%	2026-2038	7,500,000	-
Series Three 2013C	4.000 - 5.000%	2018-2030	19,335,000	4,295,000
Series Three 2014A	3.400 - 5.000%	2018-2034	12,870,000	2,060,000
Series Three 2015A	2.750 - 5.000%	2018-2041	69,975,000	145,000
Series Three 2015B	3.375 - 5.000%	2018-2031	23,900,000	6,675,000
Series Three 2017A	5.000%	2019	18,670,000	-
Series Three 2017B	3.375 - 5.000%	2026-2039	198,095,000	-
Total Fixed Rate Senior Bonds			627,360,000	33,275,000
2009 Series D	5.000%	2018	11,660,000	11,660,000
2009 Series E	4.000%	2018	295,000	295,000
2009 Series F - BABs	4.800 - 6.406%	2018-2034	63,670,000	1,515,000
2009 Series G	4.000 - 5.000%	2018-2019	16,090,000	1,425,000
2010 Series B	4.000 - 5.000%	2018-2024	4,605,000	925,000
2010 Series D - BABs	4.000 - 5.582%	2018-2027	44,125,000	2,075,000
2012 Series A	3.250 - 5.000%	2018-2033	62,440,000	5,950,000
2012 Series B	3.250 - 5.000%	2018-2037	52,995,000	2,580,000
2013 Series A	3.000 - 5.000%	2018-2030	44,585,000	1,530,000
2013 Series B	3.000 - 5.000%	2018-2026	21,275,000	2,740,000
2013 Series C	1.375 - 5.000%	2018-2038	78,330,000	1,175,000
2013 Series D	4.000 - 5.250%	2018-2035	88,660,000	14,125,000
2014 Series A	4.000 - 5.000%	2018-2039	121,320,000	10,990,000
2017 Series A	3.000 - 5.000%	2018-2019	31,790,000	30,500,000
2017 Series B	3.375 - 5.000%	2018-2034	185,745,000	795,000
Total Fixed Rate Subordinated Bonds			827,585,000	88,280,000
Total Fixed Rate Electric System Bonds/4.543%			1,454,945,000	121,555,000
Electric System - Variable Rate Bonds				
	Current Interest Rates (1)			
Series Three 2008 A	1.494%	2027-2036	51,680,000	-
Series Three 2008 B-1	1.867%	2018-2040	60,020,000	400,000
Series Three 2008 B-2	1.494%	2025-2040	41,900,000	-
Series Three 2008 B-3	1.494%	2024-2036	37,000,000	-
Series Three 2008 B-4	1.867%	2018-2036	49,410,000	400,000
Series Three 2008 C-1	1.500%	2024-2034	44,145,000	-
Series Three 2008 C-2	1.500%	2024-2034	43,900,000	-
Series Three 2008 C-3	1.470%	2030-2038	25,000,000	-
Series Three 2008 D-1	1.867%	2018-2036	108,900,000	2,625,000
Total Variable Rate Senior Bonds			461,955,000	3,425,000
Series 2000 A	1.520%	2021-2035	30,965,000	-
Series 2000 F-1	1.470%	2026-2030	37,200,000	-
Series 2000 F-2	1.543%	2026-2030	24,800,000	-
Series 2008 D	1.495%	2024-2038	39,455,000	-
Total Variable Rate Subordinated Bonds			132,420,000	-
Total Variable Rate Bonds			594,375,000	3,425,000
Total Electric System Bonds			2,049,320,000	124,980,000
St. Johns River Power Park - Fixed Rate Bonds				
Issue 3 Series 1	4.500%	2037	100,000	-
Issue 3 Series 2	5.000%	2034-2037	29,370,000	-
Issue 3 Series 4 - BABs	4.200 - 5.450%	2018-2028	22,410,000	1,720,000
Issue 3 Series 6	2.375 - 5.000%	2019-2037	91,330,000	-
Issue 3 Series 7	2.000 - 5.000%	2019-2033	79,500,000	-
Issue 3 Series 8	2.000 - 5.000%	2019-2039	57,895,000	-
Total Fixed Rate St. Johns River Power Park Bonds/4.012%			280,605,000	1,720,000
Bulk Power Supply System, Scherer 4 Project - Fixed Rate Bonds				
Series 2010A - BABs	4.250 - 5.920%	2018-2030	37,400,000	3,045,000
Series 2014A	2.000 - 5.000%	2018-2038	63,320,000	2,665,000
Total Fixed Rate Bulk Power Supply System Bonds/4.311%			100,720,000	5,710,000
Weighted Average Cost(2) / Total Outstanding Deb		3.429%	\$ 2,430,645,000	\$ 132,410,000

(1) Current month interest rate excluding variable debt fees.

(2) Weighted Average Cost of debt is net of BABs subsidy, original issue premiums/discounts and excludes variable debt liquidity/restructuring fees and interest rate swap payments.

	Current YTD	Prior YTD	Year End Target
• Debt Ratio - Electric Enterprise Fund	72.9%	65.8%	71.1%
	Electric System	Power Park	Issue Three
• Remaining New Money Authorization	\$ 465,160,992		103,865,000
• Remaining Senior Refunding Authorizator	\$ 1,022,837,381		250,810,000
• Remaining Subordinated Refunding Authorizator	\$ 634,898,000	n/a	

JEA
Water and Sewer System
Principal Amount of Debt Outstanding and Average Interest Rates
August 2018

Issue/Average Coupon Rate	Interest Rates	Principal Payment Dates	Par Amount Principal Outstanding	Current Portion of Long-Term Debt
Fixed Rate Bonds				
2009 Series B	3.750 - 5.000%	2018-2019	\$ 18,295,000	\$ 9,380,000
2010 Series A - BABs	6.210 - 6.310%	2026-2044	83,115,000	-
2010 Series B - Taxable	4.700 - 5.700%	2018-2025	13,840,000	1,730,000
2010 Series C	5.000%	2020	3,000,000	-
2010 Series D	4.000 - 5.000%	2018-2039	42,525,000	3,900,000
2010 Series E	4.000 - 5.000%	2021-2039	11,865,000	-
2010 Series F - BABs	3.750 - 5.887%	2018-2040	44,275,000	2,180,000
2012 Series A	3.000 - 5.000%	2019-2041	162,430,000	-
2012 Series B	2.000 - 5.000%	2018-2037	76,380,000	1,780,000
2013 Series A	4.500 - 5.000%	2018-2027	63,660,000	11,940,000
2014 Series A	2.000 - 5.000%	2018-2040	217,790,000	4,830,000
2017 Series A	3.125 - 5.000%	2020-2041	378,220,000	-
Total Fixed Rate Senior Bonds			1,115,395,000	35,740,000
2010 Series A	5.000%	2018-2022	8,275,000	2,655,000
2010 Series B	3.000 - 5.000%	2020-2025	3,255,000	-
2012 Series A	3.000%	2021	1,440,000	-
2012 Series B	3.250 - 5.000%	2030-2043	29,685,000	-
2013 Series A	2.125 - 5.000%	2018-2029	37,435,000	5,705,000
2017 Series A	2.750 - 5.000%	2021-2034	58,940,000	-
Total Fixed Rate Subordinated Bonds			139,030,000	8,360,000
Total Fixed Rate Bonds/4.509%			1,254,425,000	44,100,000
Variable Rate Bonds				
	Current Interest Rates (1)			
2006 Series B - CPI Bonds	3.046% (2)	2018-2022	30,370,000	5,520,000
2008 Series A-2	1.487%	2028-2042	51,820,000	-
2008 Series B	1.516%	2023-2041	85,290,000	-
Total Variable Rate Senior Bonds			167,480,000	5,520,000
2008 Series A-1	1.493%	2018-2038	50,950,000	2,100,000
2008 Series A-2	1.466%	2030-2038	25,600,000	-
2008 Series B-1	1.456%	2030-2036	30,885,000	-
Total Variable Rate Subordinated Bonds			107,435,000	2,100,000
Total Variable Rate Bonds			274,915,000	7,620,000
Other Obligations				
Revolving Credit Agreement	3.227%	2021	3,000,000	-
Total Other Obligations			3,000,000	-
Weighted Average Cost(3) / Total Outstanding Debt		3.614%	\$ 1,532,340,000	\$ 51,720,000

(1) Current month interest rate excluding variable debt fees.

(2) Designated swap obligation. The rate shown is the weighted average of the variable CPI Index rates for the 6 month re-set period.

(3) Weighted Average Cost of debt is net of BABs subsidy, original issue premiums/discounts and excludes variable debt liquidity/remarketing fees and interest rate swap payments.

	Current YTD	Prior YTD	Year End Target
• Debt Ratio - Water and Sewer	50.4%	54.4%	49.0%
• Remaining New Money Authorization	\$ 218,078,023		
• Remaining Refunding Authorization	\$ 794,813,942		

JEA
District Energy System
Principal Amount of Debt Outstanding and Average Interest Rates
August 2018

Issue/Average Coupon	Interest Rates	Principal Payment Dates	Par Amount Principal Outstanding	Current Portion of Long-Term Debt
Fixed Rate Bonds				
2013 Series A/4.036%	1.725 - 4.538%	2018-2034	\$ 36,485,000	\$ 1,660,000
Weighted Average Cost(1) / Total Outstanding Debt		4.141%	\$ 36,485,000	\$ 1,660,000

(1) Weighted Average Cost of debt is net of original issue premiums/discounts.

• Remaining New Money Authorization	\$ 54,321,245
• Remaining Refunding Authorization	\$ 106,670,000

JEA
INVESTMENT PORTFOLIO REPORT
August 2018
All Funds

<u>INVESTMENT</u>	<u>BOOK VALUE</u>	<u>YIELD</u>	<u>% OF TOTAL</u>	<u>LAST MONTH</u>	<u>6 MONTH AVERAGE</u>
* Treasuries	\$ 208,086,741	2.04%	15.24%	14.83%	13.70%
<u>Agencies</u>					
Federal Farm Credit Bank	67,250,921	1.80%	4.93%	5.86%	6.84%
Federal Home Loan Bank	260,230,202	1.95%	19.06%	19.52%	19.51%
Total	327,481,123	1.92%	23.99%	25.39%	26.36%
Municipal Bonds	227,578,068	2.55%	16.67%	17.19%	17.13%
Commercial Paper	254,380,943	2.25%	18.63%	16.41%	15.27%
U.S. Treasury Money Market Funds (1)	99,291,445	1.87%	7.27%	7.31%	7.36%
Agency Money Market Funds (2)	25,425,000	1.87%	1.86%	1.47%	1.49%
FEITF Money Market Fund	57,500,000	2.12%	4.21%	3.40%	3.61%
Florida Prime Fund	105,000,000	2.18%	7.69%	5.51%	6.00%
<u>Wells Fargo Bank Accounts (3)</u>					
Electric, Scherer	23,111,000	1.92%	1.69%	3.77%	2.53%
SJRPP	30,862,108	1.92%	2.26%	4.39%	5.34%
Water & Sewer, DES	6,376,990	1.92%	0.47%	0.34%	1.21%
Total Portfolio	\$1,365,093,418	2.13%	100.00%	100.00%	100.00%

* Backed by Full Faith and Credit of U. S. Government

Weighted Avg. Annual Yield for August 2018, Excluding Bank & Money Market Funds: 2.17%

Weighted Avg. Annual Yield for August 2018, Including Bank & Money Market Funds: 2.13%

Some investments listed above may be classified as Cash Equivalents on the Statements of Net Position in accordance with generally accepted accounting principles.

- (1) Fidelity Treasury Fund
- (2) State Street Government Fund
- (3) Month-end bank balances

**JEA
Interest Rate Swap Position Report
August 2018**

JEA Debt Management Swaps Variable to Fixed

ID	Dealer	Effective Date	Termination Date	Electric System Allocation	Water/Sewer Allocation	Fixed Rate	Floating Rate (1)	Spread	Rate Cap	Index
1	Goldman Sachs	9/18/2003	9/18/2033	\$ 84,800,000	\$ -	3.717	1.415	2.302	n/a	68% 1 mth Libor
3	Morgan Stanley	1/27/2005	10/1/2039	82,575,000	-	4.351	1.461	2.890	n/a	SIFMA
4	JPMorgan	1/27/2005	10/1/2035	85,600,000	-	3.661	1.415	2.246	n/a	68% 1 mth Libor
6	JPMorgan	1/27/2005	10/1/2037	39,175,000	-	3.716	1.415	2.301	n/a	68% 1 mth Libor
7	Morgan Stanley	10/31/2006	10/1/2022	-	30,370,000	4.025	3.046	0.979	n/a	CPI
8	Morgan Stanley	1/31/2007	10/1/2031	62,980,000	-	3.907	1.461	2.446	n/a	SIFMA
9	Merrill Lynch	3/8/2007	10/1/2041	-	85,290,000	3.895	1.461	2.434	n/a	SIFMA
10	Goldman Sachs	1/31/2008	10/1/2036	51,680,000	-	3.836	1.461	2.375	n/a	SIFMA
Total				<u>\$ 406,810,000</u>	<u>\$ 115,660,000</u>	Wtd Avg Spread		2.355		

Note: (1) The "Floating Rate" column is the average of the floating rate for each instrument for this month.

	Month August			Year-to-Date August		
	2018	2017	Variance	2018	2017	Variance
Electric revenues sales (000's omitted):						
Residential	\$ 65,480	\$ 65,137	0.53%	\$ 556,893	\$ 530,287	5.02%
Commercial	38,521	37,444	2.88%	355,655	356,090	-0.12%
Industrial	18,587	18,945	-1.89%	183,593	183,499	0.05%
Public street lighting	1,079	1,077	0.19%	11,803	12,005	-1.68%
Sales for resale - territorial	49	2,231	-97.80%	4,316	15,146	-71.50%
Electric revenues - territorial	123,716	124,834	-0.90%	1,112,260	1,097,027	1.39%
Sales for resale - off system	20	594	-96.63%	1,089	4,796	-77.29%
Electric revenues	123,736	125,428	-1.35%	1,113,349	1,101,823	1.05%
Less: rate stabilization & recovery	(34,981)	4,143	944.34%	32,148	56,161	42.76%
Less: allowance for doubtful accounts	(166)	(172)	-3.49%	(1,121)	(435)	157.70%
Net electric revenues	88,589	129,399	-31.54%	1,144,376	1,157,549	-1.14%
MWh sales						
Residential	578,301	574,474	0.67%	4,873,178	4,631,654	5.21%
Commercial	401,004	389,111	3.06%	3,659,811	3,648,722	0.30%
Industrial	265,147	267,852	-1.01%	2,541,866	2,520,465	0.85%
Public street lighting	4,825	5,007	-3.63%	54,471	60,872	-10.52%
Sales for resale - territorial	-	23,773	-100.00%	38,640	136,057	-71.60%
Total MWh sales - territorial	1,249,277	1,260,217	-0.87%	11,167,966	10,997,770	1.55%
Sales for resale - off system	666	15,345	-95.66%	34,756	138,937	-74.98%
Total MWh sales	1,249,943	1,275,562	-2.01%	11,202,722	11,136,707	0.59%
Number of accounts (1)						
Residential	412,988	405,687	1.80%	409,699	402,901	1.69%
Commercial	52,608	52,038	1.10%	52,350	51,843	0.98%
Industrial	197	202	-2.48%	197	204	-3.43%
Public street lighting	3,812	3,756	1.49%	3,773	3,724	1.32%
Sales for resale	1	2	-50.00%	1	2	-50.00%
Total average accounts	469,606	461,685	1.72%	466,020	458,674	1.60%
Residential averages						
Revenue per account - \$	158.55	160.56	-1.25%	1,359.27	1,316.17	3.27%
kWh per account	1,400	1,416	-1.13%	11,895	11,496	3.47%
Revenue per kWh - ¢	11.32	11.34	-0.18%	11.43	11.45	-0.17%
Degree days						
Heating degree days	-	-	-	1,103	782	321
Cooling degree days	547	549	(2)	2,622	2,530	92
Total degree days	547	549	(2)	3,725	3,312	413
Degree days - 30 year average	521			3,618		

(1) The year-to-date column represents a fiscal year-to-date average.

	Month			Year-to-Date		
	2018	2017	Variance	2018	2017	Variance
Water						
<i>Revenues (000's omitted):</i>						
Residential	\$ 8,143	\$ 7,598	7.17%	\$ 84,915	\$ 84,911	0.00%
Commercial and industrial	4,180	3,875	7.87%	43,473	42,427	2.47%
Irrigation	2,707	2,910	-6.98%	29,286	33,436	-12.41%
Total water revenues	15,030	14,383	4.50%	157,674	160,774	-1.93%
Less: rate stabilization	(1,243)	4,847	-125.64%	(13,035)	(7,317)	78.15%
Less: allowance for doubtful accounts	(21)	(20)	5.00%	(216)	(86)	151.16%
Net water revenues	\$ 13,766	\$ 19,210	-28.34%	\$ 144,423	\$ 153,371	-5.83%
<i>Kgal sales (000s omitted)</i>						
Residential	1,483,570	1,404,216	5.65%	15,537,226	16,227,120	-4.25%
Commercial and industrial	1,238,539	1,145,039	8.17%	12,711,846	12,227,017	3.97%
Irrigation	434,534	494,124	-12.06%	4,763,310	5,793,527	-17.78%
Total kgals sales	3,156,643	3,043,379	3.72%	33,012,382	34,247,664	-3.61%
<i>Number of accounts (1):</i>						
Residential	288,296	281,497	2.42%	285,086	278,559	2.34%
Commercial and industrial	25,815	25,529	1.12%	25,691	25,413	1.09%
Irrigation	37,151	37,010	0.38%	37,044	36,732	0.85%
Total average accounts	351,262	344,036	2.10%	347,821	340,704	2.09%
<i>Residential averages:</i>						
Revenue per account - \$	28.25	26.99	4.67%	297.86	304.82	-2.28%
Kgals per account	5.15	4.99	3.21%	54.50	58.25	-6.44%
Revenue per kgals - \$	5.49	5.41	1.48%	5.47	5.23	4.59%
Sewer						
<i>Revenues (000's omitted):</i>						
Residential	\$ 12,267	\$ 11,442	7.21%	\$ 128,457	\$ 128,452	0.00%
Commercial and industrial	9,649	8,840	9.15%	99,278	96,141	3.26%
Total sewer revenues	21,916	20,282	8.06%	227,735	224,593	1.40%
Less: rate stabilization	318	819	-61.17%	5,318	9,111	-41.63%
Less: allowance for doubtful accounts	(29)	(32)	-9.38%	(324)	(130)	149.23%
Net sewer revenues	22,205	21,069	5.39%	232,729	233,574	-0.36%
<i>Kgal sales (000s omitted)</i>						
Residential	1,282,419	1,215,226	5.53%	13,442,130	14,003,546	-4.01%
Commercial and industrial	1,046,041	956,333	9.38%	10,719,838	10,470,492	2.38%
Total kgals sales	2,328,460	2,171,559	7.23%	24,161,968	24,474,038	-1.28%
<i>Number of accounts (1):</i>						
Residential	255,284	248,737	2.63%	252,228	245,918	2.57%
Commercial and industrial	18,393	18,224	0.93%	18,334	18,142	1.06%
Total average accounts	273,677	266,961	2.52%	270,562	264,060	2.46%
<i>Residential averages:</i>						
Revenue per account - \$	48.05	46.00	4.46%	509.29	522.34	-2.50%
kgals per account	5.02	4.89	2.66%	53.29	56.94	-6.41%
Revenue per kgals - \$	9.57	9.42	1.59%	9.56	9.17	4.25%
Reuse						
<i>Revenues (000's omitted):</i>						
Reuse revenues	\$ 1,170	\$ 1,199	-2.42%	\$ 12,386	\$ 11,955	3.61%
<i>Kgal sales (000s omitted)</i>						
Reuse sales (kgals)	259,170	260,408	-0.48%	2,797,525	3,058,880	-8.54%
<i>Number of accounts (1):</i>						
Reuse accounts	12,426	10,147	22.46%	11,393	9,310	22.37%
Rainfall						
	Diff in inches			Diff in inches		
Normal	6.80	6.80		44.20	44.20	
Actual	7.68	9.09	(1.41)	54.00	59.56	(5.56)
Rain Days	13	18		106	92	

(1) The year-to-date column represents a fiscal year-to-date average.

	Month August			Year-to-Date August		
	2018	2017	Variance	2018	2017	Variance
Generated power:						
Steam:						
<i>Fuel oil</i>						
Fuel expense	\$ -	\$ -		\$ 4,163,527	\$ 339,833	1125.17%
Barrels #6 oil consumed	-	-		38,482	3,142	1124.76%
\$/ per barrel consumed	\$ -	\$ -		\$ 108.19	\$ 108.17	0.02%
kWh oil generated (1)	-	-		23,686,188	376,100	6197.84%
Cost per MWh - oil	\$ -	\$ -		\$ 175.78	\$ 903.57	-80.55%
<i>Natural gas units #1-3</i>						
Gas expense - variable	\$ 7,300,940	\$ 7,627,526	-4.28%	\$ 51,664,463	\$ 43,906,127	17.67%
MMBTU's consumed	4,129,041	2,231,464	85.04%	17,502,739	12,868,416	36.01%
\$/ per MMBTU consumed	\$ 1.77	\$ 3.42	-48.27%	\$ 2.95	\$ 3.41	-13.49%
kWh - gas generated (1)	201,406,323	209,296,185	-3.77%	1,427,441,143	1,187,870,935	20.17%
Cost per MWh - gas	\$ 36.25	\$ 36.44	-0.53%	\$ 36.19	\$ 36.96	-2.08%
Cost per MWh - gas & oil - steam	\$ 36.25	\$ 36.44	-0.53%	\$ 38.47	\$ 37.24	3.32%
<i>Coal</i>						
Coal expense	\$ 2,696,222	\$ 1,757,369	53.42%	\$ 26,167,417	\$ 13,674,584	91.36%
kWh generated	97,379,758	56,887,120	71.18%	811,862,007	452,005,087	79.61%
Cost per MWh - coal	\$ 27.69	\$ 30.89	-10.37%	\$ 32.23	\$ 30.25	6.54%
<i>Pet coke and limestone</i>						
Expense	\$ 8,755,895	\$ 3,222,531	171.71%	\$ 56,964,287	\$ 27,391,026	107.97%
kWh generated	192,471,666	100,248,465	91.99%	1,413,423,278	822,740,411	71.79%
Cost per MWh - pet coke and limestone	\$ 45.49	\$ 32.15	41.52%	\$ 40.30	\$ 33.29	21.06%
Cost per MWh - coal & petcoke - steam	\$ 39.51	\$ 31.69	24.67%	\$ 37.36	\$ 32.21	15.96%
Combustion turbine:						
<i>Fuel oil</i>						
Fuel expense	\$ 69,906	\$ 103,867	-32.70%	\$ 3,595,122	\$ 798,802	350.06%
Barrels #2 oil consumed	422	1,008	-58.13%	37,181	6,630	460.80%
\$/ per barrel consumed	\$ 165.65	\$ 103.04	60.76%	\$ 96.69	\$ 120.48	-19.75%
kWh - oil generated	148,812	353,908	-57.95%	14,571,162	2,015,515	622.95%
Cost per MWh - oil	\$ 469.76	\$ 293.49	60.06%	\$ 246.73	\$ 396.33	-37.75%
<i>Natural gas (includes landfill)</i>						
Gas expense Kennedy & landfill - variable	\$ 271,723	\$ 154,100	76.33%	\$ 2,825,641	\$ 1,204,253	134.64%
MMBTU's consumed	183,607	44,549	312.15%	935,424	357,282	161.82%
\$/ per MMBTU consumed	\$ 1.48	\$ 3.46	-57.22%	\$ 3.02	\$ 3.37	-10.38%
kWh - gas generated (1)	6,949,395	3,613,992	92.29%	69,515,341	27,331,769	154.34%
Cost per MWh - gas	\$ 39.10	\$ 42.64	-8.30%	\$ 40.65	\$ 44.06	-7.75%
Gas expense BB simple - variable	\$ 733,033	\$ 263,096	178.62%	\$ 3,414,394	\$ 2,465,680	38.48%
MMBTU's consumed	\$ 384,031	\$ 94,996	304.26%	\$ 1,287,265	\$ 810,332	58.86%
\$/ per MMBTU consumed	\$ 1.91	\$ 2.77	-31.08%	\$ 2.65	\$ 3.04	-12.83%
kWh - gas generated (1)	23,736,926	8,375,395	183.41%	101,832,656	71,253,380	42.92%
Cost per MWh - gas simple	\$ 30.88	\$ 31.41	-1.69%	\$ 33.53	\$ 34.60	-3.11%
Gas expense BB combined - variable	\$ 6,965,766	\$ 7,116,012	-2.11%	\$ 78,592,790	\$ 78,683,503	-0.12%
MMBTU's consumed	5,051,448	2,593,545	94.77%	29,318,610	25,505,735	14.95%
\$/ per MMBTU consumed	\$ 1.38	\$ 2.74	-49.74%	\$ 2.68	\$ 3.08	-13.11%
kWh - gas generated (1)	353,307,876	370,155,602	-4.55%	3,801,556,344	3,635,745,732	4.56%
Cost per MWh - gas combined	\$ 19.72	\$ 19.22	2.56%	\$ 20.67	\$ 21.64	-4.47%
Gas expense GEC simple - variable	\$ 1,833,929	\$ 1,017,987	80.15%	\$ 11,185,437	\$ 5,720,429	95.53%
MMBTU's consumed	1,000,293	374,874	166.83%	3,383,736	2,034,691	66.30%
\$/ per MMBTU consumed	\$ 1.83	\$ 2.72	-32.49%	\$ 3.31	\$ 2.81	17.58%
kWh - gas generated	57,517,346	34,350,361	67.44%	269,512,484	185,471,348	45.31%
Cost per MWh - gas simple	\$ 31.88	\$ 29.64	7.59%	\$ 41.50	\$ 30.84	34.56%
Cost per MWh - gas & oil ct	\$ 22.36	\$ 20.76	7.68%	\$ 23.40	\$ 22.66	3.26%
Natural gas expense - fixed	\$ 3,820,391	\$ 3,763,758	1.50%	\$ 36,158,222	\$ 34,802,815	3.89%
Total generated power:						
Fuels expense	\$ 32,447,805	\$ 25,026,246	29.66%	\$ 274,731,300	\$ 208,987,052	31.46%
kWh generated	932,918,102	783,281,028	19.10%	7,933,400,603	6,384,810,277	24.25%
Cost per MWh	\$ 34.78	\$ 31.95	8.86%	\$ 34.63	\$ 32.73	5.80%

(1) Allocation of kWh generated is based upon a ratio of gas MBTU's (adjusted to oil equivalent - 95.5%) and oil MBTU's.

Cost of fuels

Fuel oil #6	\$ -	\$ -		\$ 4,163,527	\$ 339,833
Natural gas units #1-3 with landfill - variable	7,300,940	7,627,526		51,664,463	43,906,127
Coal	2,696,222	1,757,369		26,167,417	13,674,584
Petcoke	8,755,895	3,222,531		56,964,287	27,391,026
Fuel oil #2	69,906	103,867		3,595,122	798,802
Natural gas - simple cycle (BB & GEC) - variable	2,838,685	1,435,183		17,425,472	9,390,362
Natural gas - combined (BB) - variable	6,965,766	7,116,012		78,592,790	78,683,503
Natural gas - fixed	3,820,391	3,763,758		36,158,222	34,802,815
Total	\$ 32,447,805	\$ 25,026,246		\$ 274,731,300	\$ 208,987,052

	Month August			Year-to-Date August		
	2018	2017	Variance	2018	2017	Variance
Production Statistics (Continued)						
Purchased power:						
<i>Plant Scherer</i>						
Purchases	\$ 6,586,201	\$ 4,611,273	42.83%	\$ 61,021,376	\$ 52,154,293	17.00%
kWh purchased	139,147,000	125,746,000	10.66%	992,566,000	1,282,853,000	-22.63%
Cost per MWh	\$ 47.33	\$ 36.67	29.07%	\$ 61.48	\$ 40.65	51.22%
<i>TEA & other</i>						
Purchases	\$ 9,089,495	\$ 8,137,035	11.71%	\$ 96,551,130	\$ 71,256,215	35.50%
kWh purchased	215,200,763	173,738,875	23.86%	2,148,978,077	1,546,337,130	38.97%
Cost per MWh	\$ 42.24	\$ 46.83	-9.82%	\$ 44.93	\$ 46.08	-2.50%
<i>SJRPP</i>						
Purchases	\$ 908,534	\$ 13,180,891	-93.11%	\$ 55,388,850	\$ 127,348,002	-56.51%
kWh purchased	-	253,137,000	-100.00%	539,759,000	2,299,556,000	-76.53%
Cost per MWh		\$ 52.07		\$ 102.62	\$ 55.38	85.30%
Total purchased power:						
Purchases	\$ 16,584,230	\$ 25,929,199	-36.04%	\$ 212,961,356	\$ 250,758,510	-15.07%
kWh purchased	354,347,763	552,621,875	-35.88%	3,681,303,077	5,128,746,130	-28.22%
Cost per MWh	\$ 46.80	\$ 46.92	-0.25%	\$ 57.85	\$ 48.89	18.32%
Subtotal - generated and purchased power:	\$ 49,032,035	\$ 50,955,445	-3.77%	\$ 487,692,656	\$ 459,745,562	6.08%
Fuel interchange sales	(20,271)	(594,024)	-96.59%	(1,089,049)	(4,795,703)	-77.29%
Earnings of The Energy Authority	53,543	(374,551)	-114.30%	(3,124,468)	(4,084,739)	-23.51%
EPA Allowance Purchases	-	-		-	233,775	-100.00%
Realized and Unrealized (Gains) Losses	(322,140)	10,800	-3082.78%	(3,736,460)	312,000	-1297.58%
Fuel procurement and handling	1,051,770	1,045,852	0.57%	10,922,242	10,189,801	7.19%
By product reuse	1,082,705	604,751	79.03%	12,427,036	10,045,771	23.70%
Total generated and net purchased power:						
Cost, net	50,877,642	51,648,273	-1.49%	503,091,957	471,646,467	6.67%
kWh generated and purchased	1,287,265,865	1,335,902,903	-3.64%	11,614,703,680	11,513,556,407	0.88%
Cost per MWh	\$ 39.52	\$ 38.66	2.23%	\$ 43.32	\$ 40.96	5.74%
Reconciliation:						
Generated and purchased power per above	\$ 50,877,642	\$ 39.52		\$ 503,091,957	\$ 43.32	
SJRPP operating expenses:						
SJRPP O & M	24,979	0.02		(5,167,422)	(0.44)	
SJRPP debt service	(752,734)	(0.58)		(21,434,319)	(1.85)	
SJRPP R & R	(174,414)	(0.14)		4,411,700	0.38	
SCHERER operating expenses:						
Scherer power production	(534,633)	(0.42)		(9,531,195)	(0.82)	
Scherer R & R	(2,095,156)	(1.63)		(19,857,737)	(1.71)	
Scherer transmission	(472,291)	(0.37)		(5,422,746)	(0.47)	
Scherer taxes	(103,051)	(0.08)		(1,176,485)	(0.10)	
Florida and other capacity	(620,764)	(0.48)		(7,005,792)	(0.60)	
MEAG	(995,681)	(0.77)		(10,700,622)	(0.92)	
Rounding	2	0.00		2	0.00	
Energy expense per budget page	\$ 45,153,899	\$ 35.08		\$ 427,207,341	\$ 36.78	

	Month		Year-to-Date	
	2018	2017	2018	2017
		August	August	
MWh sales				
JEA	-	253,137	539,759	2,299,556
FPL saleback	-	204,175	332,467	1,531,596
FPL direct portion	-	114,328	218,056	957,788
Total MWh sales	-	571,640	1,090,282	4,788,940
Fuel costs	\$ 20,566	\$ 10,146,657	\$ 33,267,853	\$ 91,724,505
(Includes fuel handling expenses)				
Less interest credits: inventory bank	(14,224)	(20,614)	(73,726)	(109,424)
Plus (less): true-up interest	23	(163)	4,683	11,878
Total	6,365	10,125,880	33,198,810	91,626,959
Cost per MWh		\$ 40.00	\$ 61.51	\$ 39.85
Operating and maintenance expenses	(19,444)	1,853,258	5,143,500	21,870,938
Less: operations bank interest	(5,535)	(1,780)	(32,617)	(18,059)
Less: annual variable o & m true-up	-	-	3,444	(36,136)
Total	(24,979)	1,851,478	5,114,327	21,816,743
Cost per MWh		\$ 7.31	\$ 9.48	\$ 9.49
Debt service contribution				
Principal	143,333	2,208,073	7,669,635	24,288,812
Interest	933,772	1,349,442	11,216,293	14,843,866
Less credits:				
Reserve Issue 2	-	(203,484)	4,082,537	(2,236,423)
Reserve Issue 3	(14,209)	(11,931)	(239,327)	(143,571)
Debt service Issue 2	-	(6,552)	43,365	(66,552)
Debt service Issue 3	(7,488)	(1,019)	(24,606)	(10,214)
Bond proceeds COB	(99,920)	(1,680)	(135,442)	(73,323)
General reserve Issue 2	(18,443)	(15,462)	(185,497)	(150,033)
General reserve Issue 3	(11,982)	(1,882)	(79,880)	(56,639)
Build America Bonds subsidy	(30,621)	(32,433)	(336,833)	(356,765)
Inventory carrying costs	-	(61,401)	(323,456)	(729,920)
Total	894,442	3,221,671	21,686,789	35,309,238
Cost per MWh		\$ 12.73	\$ 40.18	\$ 15.35
R & R contribution	174,414	309,387	2,275,033	3,403,254
Less: interest credit	(141,708)	(62,101)	(199,375)	(730,972)
Less: cumulative capital recovery amount	-	(2,265,424)	(6,686,734)	(24,077,220)
Total	32,706	(2,018,138)	(4,611,076)	(21,404,938)
Cost per MWh		\$ (7.97)	\$ (8.54)	\$ (9.31)
Debt service coverage	-	-	2,022,000	6,322,000
Transfer to JEA	-	-	(2,022,000)	(6,322,000)
Total	-	-	-	-
Cost per MWh		\$ -	\$ -	\$ -
Total	\$ 908,534	\$ 13,180,891	\$ 55,388,850	\$ 127,348,002
kWh purchased	-	253,137,000	539,759,000	2,299,556,000
Cost per MWh		\$ 52.07	\$ 102.62	\$ 55.38

III. A.

Appendix C

2019 Final Board of Directors Meeting Schedule



2019 JEA Board Meeting Schedule

III. A.
Appendix
9/18/2018

January 22

February 26

March 26

April 23

May 28

June 25

July 23

August 27

September 24

October 22

November 19 (3rd Tuesday of the month due to Thanksgiving)

December 17 (3rd Tuesday of the month due to Christmas)

**All Board Meetings are scheduled the 4th Tuesday of the month, with the exception of November and December, which will be held on the 3rd Tuesday of the month.*

2019 JEA Board Committee Meeting Schedule

Finance & Audit Committee

March 18

May 20

August 19

December 9

Compensation Committee

Schedule as necessary

Government, Legal and Real Estate Affairs Committee

Schedule as necessary

Nominating Committee

March – Date TBD

From the JEA By-Laws “Elections of Officers shall be conducted at the first regular meeting in March which may be preceded by a meeting of the nominating committee composed of the JEA Board acting as a whole or such other membership as the Chair may designate.”

III. A.

Appendix D

Monthly FY18 Communications & Engagement Calendar and Plan Update

JEA Community Engagement Calendar -August - October 2018

(Events highlighted in blue are either JEA corporate or partner events)

III. A.
Appendix
9/18/2018

Date	Event/Activity	Location	Time	Type
Aug-18				
8/1 - 8/4/2018	Back to School with BEAM	TBD	9am	Volunteer Activity
8/1/2018	Green Lions Fest Art Walk	Downtown Jax	5pm	Ambassador Event
8/3/2018	Senior Prom	Prime Osborne	11am	Volunteer Activity
8/3/2018	JaxPark Summer Program	Castaway Island Preserve	9am	Volunteer Activity
8/3/2018	Salvation Army School Supply	900 W. Adams St.	9am	Volunteer Activity
8/3/2018	ER Prep Exercise w/ JSO	First Coast High School	7am	Volunteer Activity
8/4/2018	Back to School Rally	Edward Waters College	9am	Ambassador Event
8/4/2018	Touch a Truck Duval	Regency Square Mall Parking Lot	9am	Ambassador Event
8/7/2018	National Night Out	3151 Lenox Ave.	6pm	Ambassador Event
8/8/2018	Girl Scout Brownies	Main St Lab Tour	2pm	Ambassador Facility Tour
8/8/2018	Salvation Army Soup Kitchen	900 W. Adams St.	10am	Volunteer Activity
8/8/2018	ICS Expanding Incidents	UNF	10am	Ambassador Instructor
8/9/2018	On Campus Transition The ARC	UNF	10am	Ambassador Speaker
8/10 - 8/11/2018	Operation Backpack - FSS	FBC Downtown	10am	Volunteer Activity
8/11/2018	Back to School Jamboree	Emmett Reed Center	10am	Ambassador Event
8/12/2018	Touch a Truck Springfield	Corner 7th & Main St.	4pm	Ambassador Event
8/13/2018	USO	2560 Mayport Rd.,	10am	Volunteer Activity
8/16/2018	Farm Share	Jessie St.	9am	Volunteer Activity
8/16/2018	Veterans Group	Veteran Affairs - Jefferson St	11am	Ambassador Speaker
8/17/2018	Hope at Hand	3886 Atlantic Blvd.	1pm	Volunteer Activity
8/17/2018	Restore	5800 Beach Blvd.	9:30am	Volunteer Activity
8/20/2018	New to You	930 S. 14th St.	12:30pm	Volunteer Activity
8/22/2018	Tech Coast Conference	Prime Osborne	8am	Volunteer Activity
8/22/2018	Tech Coast Conference	Prime Osborne	8am	Ambassador Event
8/23/2018	BEAM	850 6th Ave.	1pm	Volunteer Activity
8/23/2018	Cathedral Terrace Café	601 Newman St.	11am	Volunteer Activity
8/23/2018	CRM Lunch Service	234 W. State St.	11:30am	Volunteer Activity
8/24/2018	Feeding NE FL Food Bank	1116 Edgewood Ave.	8:30am	Volunteer Activity
8/25/2018	CLIMB Event	Weaver Center - 616 A. Philip Randolph	10am	Ambassador Event
8/26/2018	Youth Energy Academy	Main St Tour	10am	Ambassador Facility Tour

JEA Community Engagement Calendar -August - October 2018

(Events highlighted in blue are either JEA corporate or partner events)

Date	Event/Activity	Location	Time	Type
8/27/2018	Callahan Food Distribution	543350 US Hwy 1	12:30pm	Volunteer Activity
8/27/2018	USO NDD	2560 Mayport Rd.,	1pm	Volunteer Activity
8/28/2018	United Way Kick-off Event	Tower Lobby	8am	Volunteer Activity
8/29/2018	Recovered Treasures CRM	5343 Normandy Blvd.	10am	Volunteer Activity
8/30/2018	Salvation Army Soup Kitchen	900 W. Adams St.	10am	Volunteer Activity
8/30/2018	Feeding NE FL Food Bank	1116 Edgewood Ave.	8:30am	Volunteer Activity
8/30/2018	Landlord Assoc.	Merrill Rd.	5pm	Ambassador Speaker
8/31/2018	Catholic Charities Food Pantry	134 E. Church St.	9:30am	Volunteer Activity
8/31/2018	Regency Library Group	Regency Square Library	11am	Ambassador Speaker
Sep-18				
9/5 - 9/6/2018	Ms. Mary's Boutique at PACE	2933 University Blvd. N.	9am	Volunteer Activity
9/5/2018	Feeding NE FL Food Bank	1116 Edgewood Ave.	8:30am	Volunteer Activity
9/5 - 9/8/2018	FCNMHP Mega Adoption	Fairgrounds	8am	Volunteer Activity
9/7/2018	Salvation Army Soup Kitchen	900 W. Adams St.	10am	Volunteer Activity
9/7/2018	UNF IEEE Group	NGS Tour	12pm	Ambassador Facility Tour
9/10/2018	USO NDD	2560 Mayport Rd.,	1pm	Volunteer Activity
9/10/2018	Normandy Vilage Elem. Robotics Club	8257 Herlong Blvd.	3:30pm	Ambassador Speaker
9/11/2018	Matthew Gilbert Midd. Robotics Club	1424 Freanklin St	2pm	Ambassador Speaker
9/13/2018	Farm Share	Jessie St.	9am	Volunteer Activity
9/13/2018	Eden Gardens	9179 Garden St.	8am	Volunteer Activity
9/14/2018	International Coastal Cleanup	Joe Carlucci Park & Sisters Creek BR	7:30am	Volunteer Activity
9/14/2018	Barkin' Biscuits at BGF	223 Mill Creek Rd.	9am	Volunteer Activity
9/14/2018	Berry Good Farms	223 Mill Creek Rd.	9am	Volunteer Activity
9/14/2018	Tulsa Welding School	NX Jax Solar Tour	9:30am	Ambassador Facility Tour
9/14/2018	MaliVai Washington Robotics Club	1096 W 6th St	3:30pm	Ambassador Speaker
9/17/2018	Barnabas Food Pantry	1303 Jasmine St.	9am	Volunteer Activity
9/19/2018	Catty Shack Wildlife Refuge	1860 Starratt Rd.	10am	Volunteer Activity
9/20/2018	Salvation Army Soup Kitchen	900 W. Adams St.	10am	Volunteer Activity
9/20/2018	BEAM	850 6th Ave.	1pm	Volunteer Activity

JEA Community Engagement Calendar -August - October 2018

(Events highlighted in blue are either JEA corporate or partner events)

Date	Event/Activity	Location	Time	Type
9/20/2018	Recovered Treasures CRM	5343 Normandy Blvd.	10am	Volunteer Activity
9/20/2018	Cathedral Terrace Café	601 Newman St.	11am	Volunteer Activity
9/21/2018	Lutheran Services Head Start	1095 A Philip Randoiph	9am	Volunteer Activity
9/21/2018	Pollution Prevention Week	Location in progress - TBD	7:30am	Volunteer Activity
9/21/2018	CRM Lunch Service	234 W. State St.	11:30am	Volunteer Activity
9/21/2018	Caregiver Conference	WJCT Studios	8:30am - 4pm	Ambassador Event
9/22/2018	Community Health & Wellness Fair	Solid Rock Church - 1418 Van Buren	10am	Ambassador Event
9/24/2018	Callahan Food Distribution	543350 US Hwy 1	12:30pm	Volunteer Activity
9/24/2018	USO NDD	2560 Mayport Rd.,	1pm	Volunteer Activity
9/26/2018	Catholic Charities Food Pantry	134 E. Church St.	9:30am	Volunteer Activity
9/27/2018	PACE Family Event	2933 University Blvd. N.	9am	Volunteer Activity
9/27- 30/2018	Fall Home & Patio Show	Prime Osborn	10am - 9pm	Ambassador Event
9/28/2018	Feeding NE FL Food Bank	1116 Edgewood Ave.	8:30am	Volunteer Activity
9/28/2018	MOSH JEA Exhibit Cleanup	1025 Museum Circle	8am	Volunteer Activity
Oct-18				
10/1/2018	JU Conservation Ecology Class	Arlington East Wastewater Plant Tour	1:30pm	Ambassador Facility Tour
10/8/2018	JU Conservation Ecology Class	Jax Solar Tour	2pm	Ambassador Facility Tour
10/8/2018	United Way Golf Tournament	St Johns Golf Club	9am	Volunteer Activity
10/11/2018	Eden Gardens	9179 Garden St.	8am	Volunteer Activity
10/11/2018	JU Marine Science Institute	Main St Lab Tour	11am	Ambassador Facility Tour
10/12/2018	Barkin' Biscuits at BGF	223 Mill Creek Rd.	9am	Volunteer Activity
10/12/2018	Berry Good Farms	223 Mill Creek Rd.	9am	Volunteer Activity
10/12/2018	Lighthouse Christian School	6801 Merrill Rd.	9am	Ambassador Speaker
10/18/2018	Farm Share	Jessie St.	9am	Volunteer Activity
10/19/2018	Catty Shack Wildlife Refuge	1860 Starratt Rd.	10am	Volunteer Activity
10/18 - 21/2018	Southern Women's Show	Prime Osborn	10am - 9pm	Ambassador Event
10/22/2018	JU Conservation Ecology Class	NGS Tour	2pm	Ambassador Facility Tour



FY18 Customer & Community Engagement Overview and September Update

Each month, we update the board on Customer & Community Engagement activities for the previous and current months. The purpose is to keep you apprised on these activities so that you are knowledgeable about JEA's efforts to keep our customers informed, assist them in the management of their utility services and be a good corporate citizen.

Customer Communications

Restoration 1-2-3

JEA's Restoration 1-2-3 educational campaign will continue through September. This messaging has already reached customers more than 20 million times since it began in July through TV, radio, online and digital billboards as well as social media, print ads and JEA bill inserts. The Restoration 1-2-3 campaign was designed to help customers understand JEA's process for restoring power after a major storm and what they can do to help. The campaign also encourages customers to update their JEA account information and sign up for alerts so that JEA may communicate with them directly should a major storm cause extended power outages.

JEA Mobile Device Charging Stations

JEA, in partnership with the Jacksonville Jaguars, this season has installed 16 mobile device charging stations around TIAA Bank Field and Daily's Place. These stations give those attending Jaguars football games, events at TIAA Bank Field or Daily's Place the opportunity to charge mobile devices free of charge. Twelve electric-powered stations that can charge up to 18 devices each are now inside TIAA Bank Field. Additionally solar-powered charging stations are inside TIAA Bank Field and on each side of Daily's place, which can charge up to 12 devices at a time.



Community Engagement

JEA employees participated in numerous Ambassador events and Volunteer activities throughout the month of August, with Ambassadors participating in 18 activities and volunteers serving 626 hours in the community.

JEA Ambassadors

In August, JEA Ambassadors participated in the National Night Out event, Back to School Jamboree, and CLIMB the Community event. Ambassadors also educated UNF students on JEA's Restoration 1-2-3 process and how JEA prepares for storms.

Upon request, Ambassadors delivered presentations to On Campus Transition for ARC, Landlord Association, and the Veterans Group, and conducted tours of JEA facilities for the Gateway Girl Scouts and YEA Students.

Employee Volunteerism

In August, 157 JEA employees volunteered in the community, connecting with customers and assisting with numerous nonprofit projects and activities. From volunteering at Farm Share to helping fill backpacks with school supplies for children in need, JEA employees gave generously of their time and talents for the benefit of our community.

Last month, JEA employee volunteers assisted with Back to School with BEAM, JaxParks Summer



Program, Salvation Army School Supply Event, Emergency Preparedness with JSO, Senior Prom at the Prime, Salvation Army Soup Kitchen, Operation Backpack with Family Support Svc., USO No Dough Dinner, Farm Share, Hope at Hand, ReStore, New to You, Tech Coast Conference, BEAM, Aging True, City Rescue Mission, Feeding Northeast Florida Food Bank, Callahan Food Distribution, Recovered Treasures Resale Store, and Catholic Charities Food Pantry.

JEA employees take great pride in the Ambassador and Volunteer programs, which are a tangible demonstration for our customers and our community of the "Heart of JEA."

Communications Contacts* Generated Year to Date	168,797,626
• Number of Paid Communications Contacts (Radio, Television, Out of Home, Online, Print)	111,970,501
• Number of Other Communications Contacts (Bill Insert, Bill Envelop, Brochure, etc.)	10,826,750
• Number of E-communications Contacts (jea.com Visitors, Email, Social Media, Videos)	44,125,014
• Number of Community Engagement Communications Contacts (Events, Public Speaking, Presentations, Training, Workshops, etc.)	792,686

*Communications Contacts are the opportunities JEA has to communicate information to our customers.

III. A.

Appendix E

Follow-up Information on Breakdown of
Water Use



Building Community

AGENDA ITEM SUMMARY

September 6, 2018

SUBJECT:	FOLLOW-UP INFORMATION ON BREAKDOWN OF WATER USE
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Purpose:	<input checked="" type="checkbox"/> Information Only	<input type="checkbox"/> Action Required	<input type="checkbox"/> Advice/Direction
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Issue: Staff was asked to supply information related to the breakdown of water use.

Significance: On average, approximately 45% of residential water usage is for irrigation. There is a wide variance due to some residents having no irrigation usage, while others have large lots with in-ground irrigation systems. The attached graph illustrates the flows for total water production (which includes commercial and industrial), wastewater treatment, irrigation and reclaimed water.

Effect: N/A

Cost or Benefit: N/A

Recommended Board action: This item provided for information only.

For additional information, contact: Paul Steinbrecher (904) 665-5653

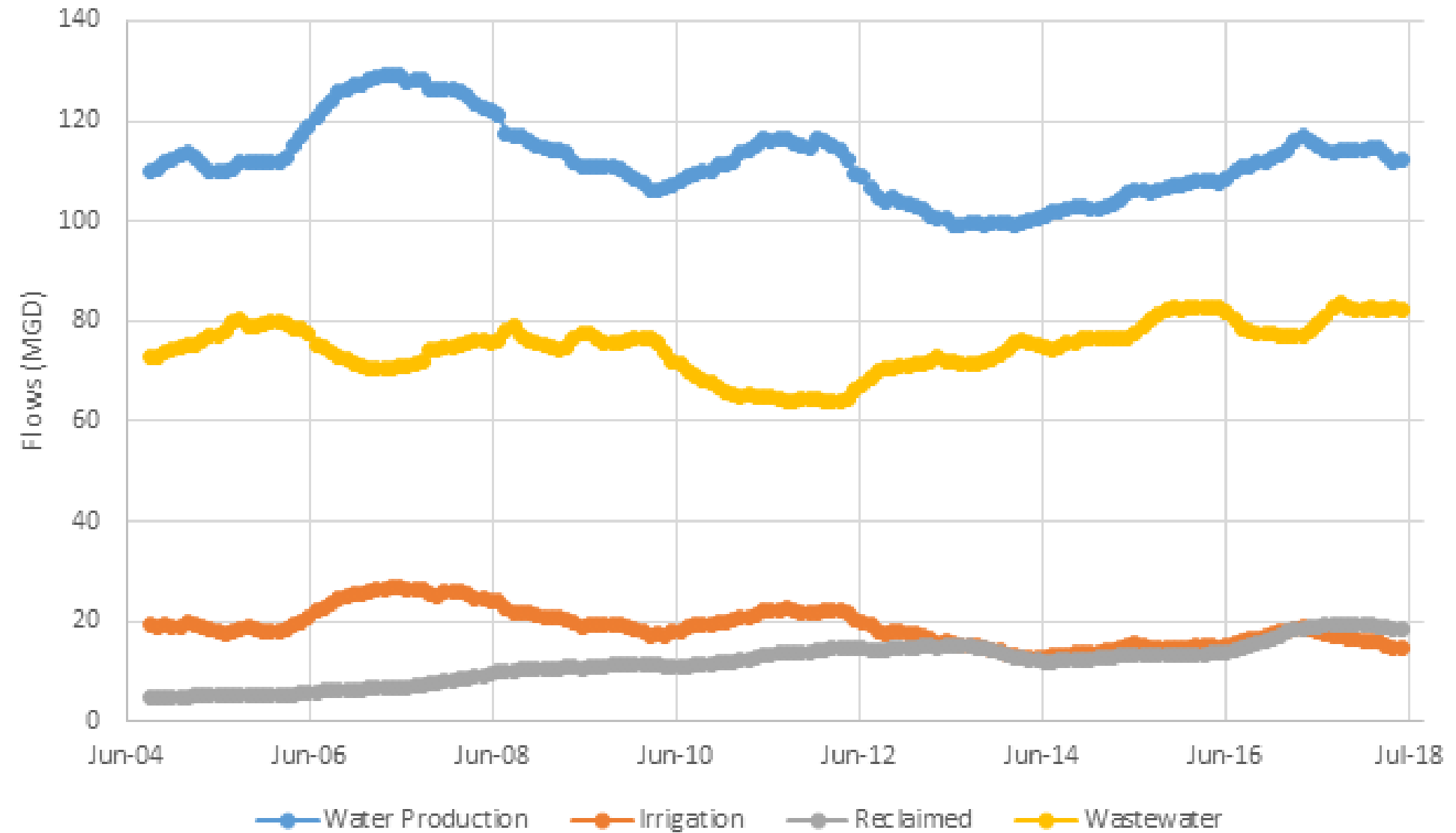
Submitted by: AFZ/PKS/CWM

MISSION	VISION	VALUES
		
Energizing our community through high-value energy and water solutions.	JEA is a premier service provider, valued asset and vital partner in advancing our community.	<ul style="list-style-type: none"> • Safety • Service • Growth? • Accountability • Integrity

Commitments to Action

- 1** Earn Customer Loyalty
- 2** Deliver Business Excellence
- 3** Develop an Unbeatable Team

Flows (Rolling 12-Month Annual Average)



September 2018



Breakdown of Water Use

