JEA BOARD MEETING AGENDA

September 18, 2018 • 12:00 p.m.

21 W. Church Street, 19th Floor



l.	WE	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)							
	Def	Definition: The "Operations" section of the Board Meeting is for business matters requiring Board discussion and action.						
	Iten	n(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			
	В.	Monthly Finar	ncial and Operations Update	Melissa Dykes, President/COO & Ryan Wannemacher, Interim CFO	Information			
	C.	Strategic Plan	ning Consultant Selection	Aaron Zahn, Interim MD/CEO	Action			
	D.	Regulatory Ac Pensions	tion Approval Postemployment Benefits Other Than	Ryan Wannemacher, Interim CFO	Action			
	E.	Reclassificatio	n 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	n(s)	Speaker/Title			
	A.	Fuel Strategy	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 3rd party experts will provide presentations on a specific subject and the Board will be afforded an opportunity for Q&A at the end.

Specific Vitter (7)

Item(s)		Speaker/Title		
A.	Electrification	Kerri Stewart, Vice President & Chief Customer Officer		

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

VII	CLC	CLOSING CONSIDERATIONS				
	Iter	Item(s)				
	A. Announcements – Next Board Meeting October 16, 2018					
	В.	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

Transition Update

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



August 30, 2018

SUBJECT:	REGULATOI THAN PENS		APPROVAL P	OSTEMPLO	YMENT BENEFITS OTHER	
Purpose:	☐ Inform	nation Only		Required	☐ Advice/Direction	
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.						
rates, (such as	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: Establi direction of the		ulatory balance	e sheet items ar	nd their inclusio	on in rates can occur only at the	
(GAAP) report		rvice coverage			Accepted Accounting Principles ility Basis methodology for	
Postemployme regulatory item	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					
	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.	• Safety • Service • Growth ² • Accountability • Integrity	1	Earn Customer Loyalty Deliver Business Excellence	

Develop an Unbeatable Team



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

Page 2

contributions (funding) be include establishment of customer rates.	ed as a cost in developing the annual revenue requirements for the
	Aaron F. Zahn, Interim Managing Director/CEO
AFZ/RFW/JRN	

III. E. Reclassification of SJRPP Expenses



September 4, 2018

SUBJECT:	RECLASSIFICATION OF SJRPP EXPENSES					
Purpose:	☐ Inform	nation Only		Required	Advice/Direction	
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 re	Effect: This reclassification will increase O&M Expenses and will reduce Fuel Expenses.					
Cost or Benef	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, c	ontact: Ryan V	Vannemacher			
Submitted by: AFZ/	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.	Safety Service Growth ² Accountability Integrity	11 2	ments to Action Earn Customer Loyalty Deliver Business Excellence Develop an Unbeatable Team	



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



September 4, 2018

SUBJECT:	FUEL STRAT	ГЕС					
Purpose:		nation Only	Action R	equired	Advice/Direction		
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 Bo	Effect: The Board and public will be informed of the proposed modifications to JEA's Pricing Policy and fuel strategy.						
Cost or Benef	it: Transparenc	y of JEA's fuel	strategy.				
on Board disc	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, c	ontact: Ryan V	Vannemacher				
Submitted by: AFZ/	RFW/ JEC						
	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.	• Safety • Service • Growth ² • Accountability • Integrity	E E LO	nents to Action arn Customer oyalty eliver Business ccellence evelop an nbeatable 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:

<u>Hedging strategy</u> – 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.

<u>Expense reclassification</u> – 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.

<u>Fuel diversity</u> – 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.

<u>Gas prepay contracts</u> – 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.

<u>Distributed energy resources</u> – 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.

<u>Fuel Charge</u> – 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.

Aaron F. Zahn, Interim Managing Director/CEO

AFZ/RFW/JEC



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

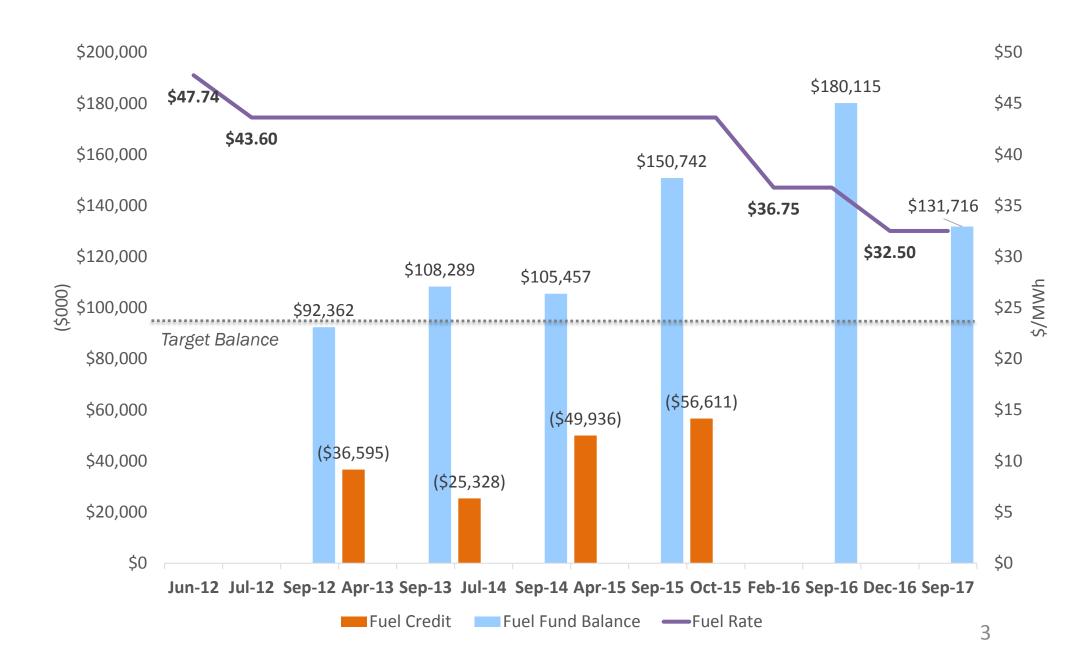


HOW DID WE GET HERE?

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

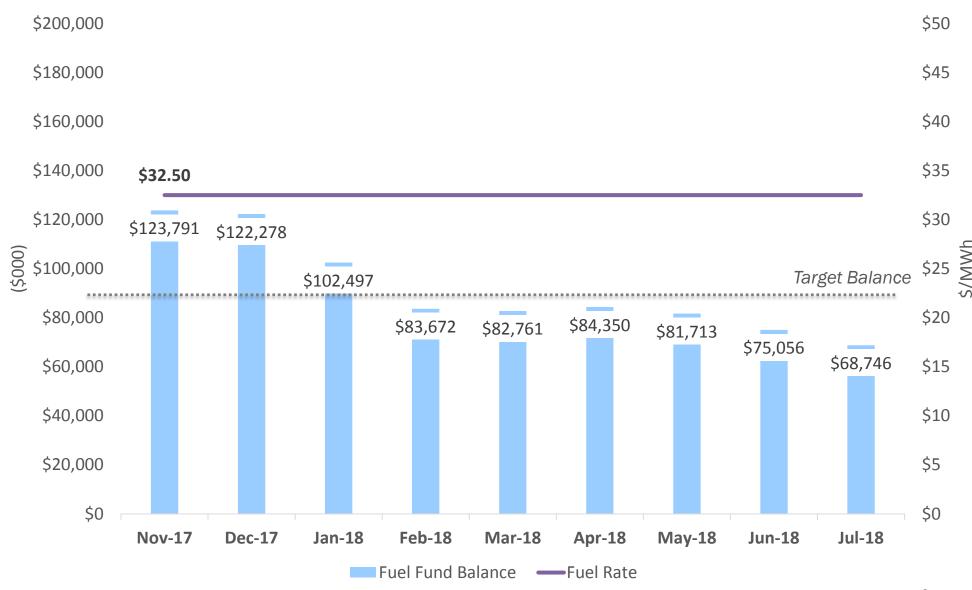


HOW DID WE GET HERE?

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

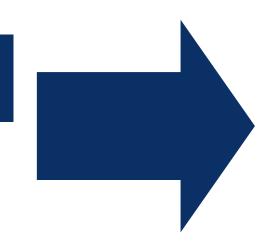
WHAT OPTIONS ARE AVAILABLE NOW?

	<u>Support</u>	<u>Recommendation</u>	<u>Impacts</u>
Update Pricing Policy	 The historical highest fuel cost in 2011 was a high sales year Fuel prices are materially lower today 	Adjust 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
Increase Fuel Charge	The Fuel Charge can be adjusted at Board direction to collect the deficit in the FSF	Continue to monitor	A Fuel Charge increase will impact all electric customer bills

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

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IV. B. Transition Update



September 12, 2018

SUBJECT:	TRANSITION UPDATE						
Purpose:		Action Required	Advice/Direction				
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.							
steps of manag		on. To ensure management is	rogress and future contemplated s aligned with the Board of				
Fife et. The Two	anaitian and valated plan is in	tandad ta aaaamaliah tha falla	wing to vinitiatives. 4) establish				
stability and for services to its JEA's Board, J	cus on JEA's Core Business (customers; 2) create a 'frame EA's management, City Cour	of providing electric, water, wa work' of understanding and mo	easuring device for alignment of stakeholders; and 3) establish a				
Cost or Berief	it: Long term planning and va	alue creation for JEA.					
Recommende	d Board action: Provided for	r information only.					
For additional	information, contact: Aaron	n Zahn – 904-665-4396					
Submitted by: AFZ	7	Commi	tments to Action				



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



partner in advancing our community.



Integrity







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
- 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

description using "shareholder framework" (JFA 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
- Jentify a Lead Director and/or Chairman to provide governance of strategic planning process

Define permanent CEO job 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 I

June 2018 – October 2018

October 2018 – December 2018

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 <u>critical</u>
 - 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



September 12, 2018

SUBJECT:	ELECTRIFICATION						
Purpose:	☐ Information Only ☐ Action Required ☐ Advice/Direction						
Programs, JEA greenhouse ga broader marke Electrification S	ne development and launch of two electrification programs in 2014, On-Road and Off-Road A actualized two new revenue streams, increased JEA's customer satisfaction and reduce as emissions. To expand on this success, JEA is beginning the process of conducting a set study, identifying the local opportunities and developing a short-term and long-term Strategic Plan to fully leverage our opportunities in this market. The Electrification Prograns reported monthly to the Board in the operational report by the CCO.						
reduced custor conditioners at scaled energy 2018 "Final Dredectric and was business lines	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.						
rates, improve	Electrification programs will provide additional revenue growth, put downward pressure on JEA's system efficiencies, and reduce JEA's environmental footprint. These programs wil 1) value to the customer, 2) financial value, 3) community impact value, and 4) value.						
	fit: The Electrification Strategic Plan will provide JEA with a present and future market a cost benefit analysis, and an implementation plan for short-term and long-term projects.						
_							
Recommende Board.	ed Board action: This item is presented for information. No action is required by the						
For additional	Il information, contact: Kerri Stewart, Chief Customer Officer,						

Submitted by: AFZ/MHD/MJB/SGM



Commitments to Action





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.

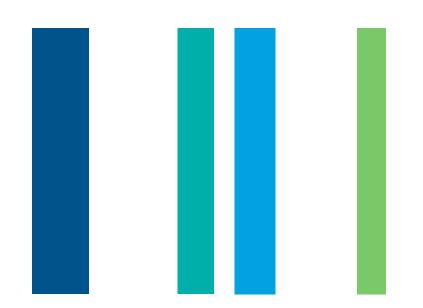
New Electrification programs will provide additional revenue growth, put downward pressure on rates, improve JEA's system efficiencies, and reduce JEA's environmental footprint. These programs will provide added 1) value to the customer; 2) financial value, 3) community impact value, and 4) environmental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

9/18/2018



Electrification 101: What is Electrification?

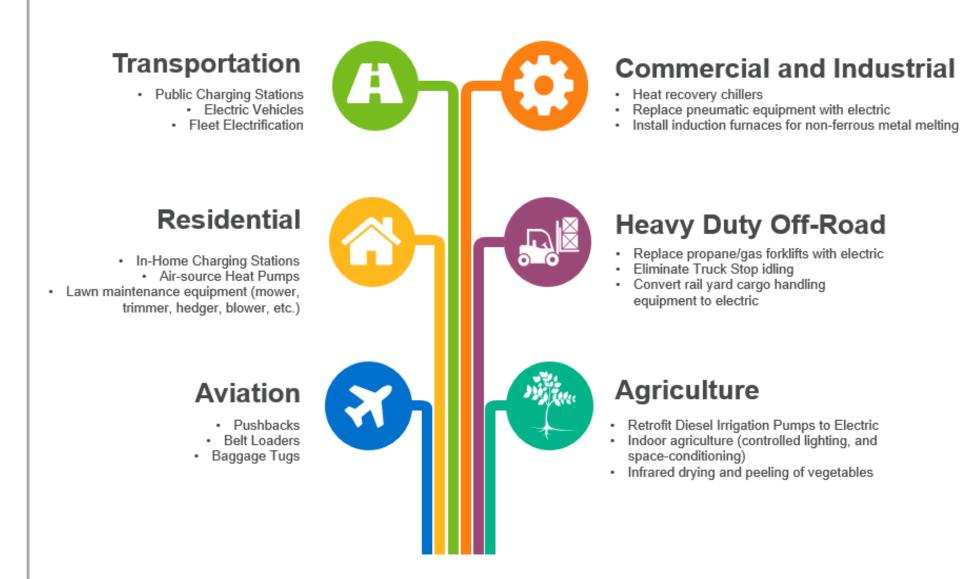
Electrification describes the adoption of electric end-use technologies.

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

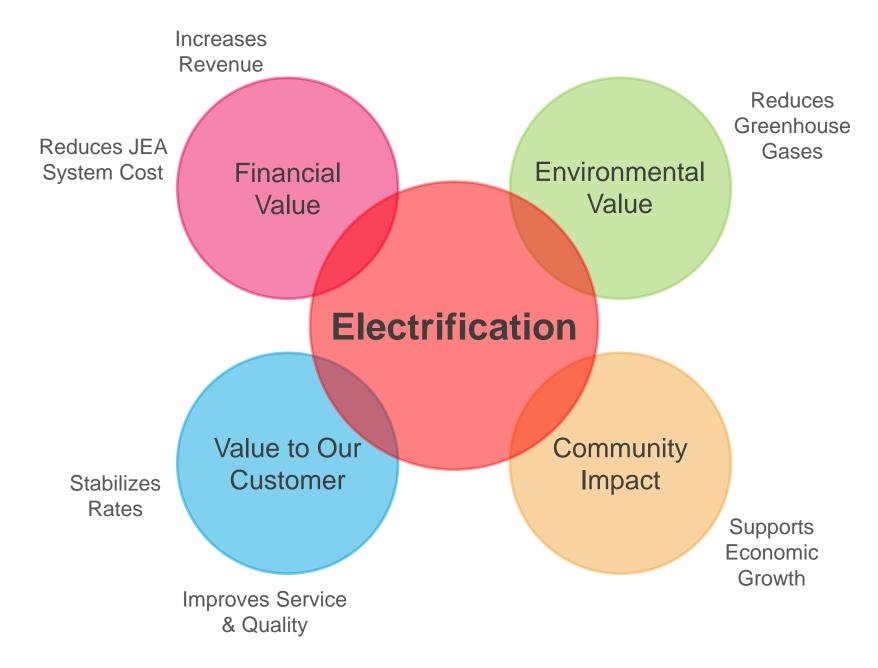
Beneficial Electrification requires that it be cost-effective for JEA, good for all customers (whether they participate in the program or not), and good or neutral for the environment.



- 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



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



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



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

Non-Road Electro-technology (NRE) Program Summary



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



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



- ✓ \$8.8M revenue
- √ 67% of new sales offpeak
- ✓ 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





















































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



\$1.2B In annual revenue

Providing More Electrification Services to Utilities than any other Consultancy

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





































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Business Drivers of Beneficial Electrification (BE)

Business Driver

Slow Sales Growth

BE programs can add as much as 0.75% system energy sales each year Desire to Reduce Rates

A full-scale program can reduce average rates by as much as 2%

Pressure to Reduce Greenhouse Gases

Customer-site GHG emissions often go to zero, and net emissions decline up to 85% Goal to Improve Grid Utilization

Utility system
efficiency (load
factor) can
increase by as
much as 3%,
and Demand
Response and
Vehicle-to-Grid
options provide
additional
benefits

Need to Manage Distribution System Growth

Growth on capacity constrained distribution feeders can be managed and capital investments delayed or eliminated

Desire to Reduce Customer Costs

Customer costs typically decrease from 10-60% Need to Provide Exemplary Customer Service

Electrotechnologies
often operate
with significantly
less noise,
workplace
pollution or
particulates, and
with greater
control and
less waste

BE Solution



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

JEA's current load factor (i.e., Average MW / Peak MW) is 55.6%

oyright 2018, ICF Resources, LLC.

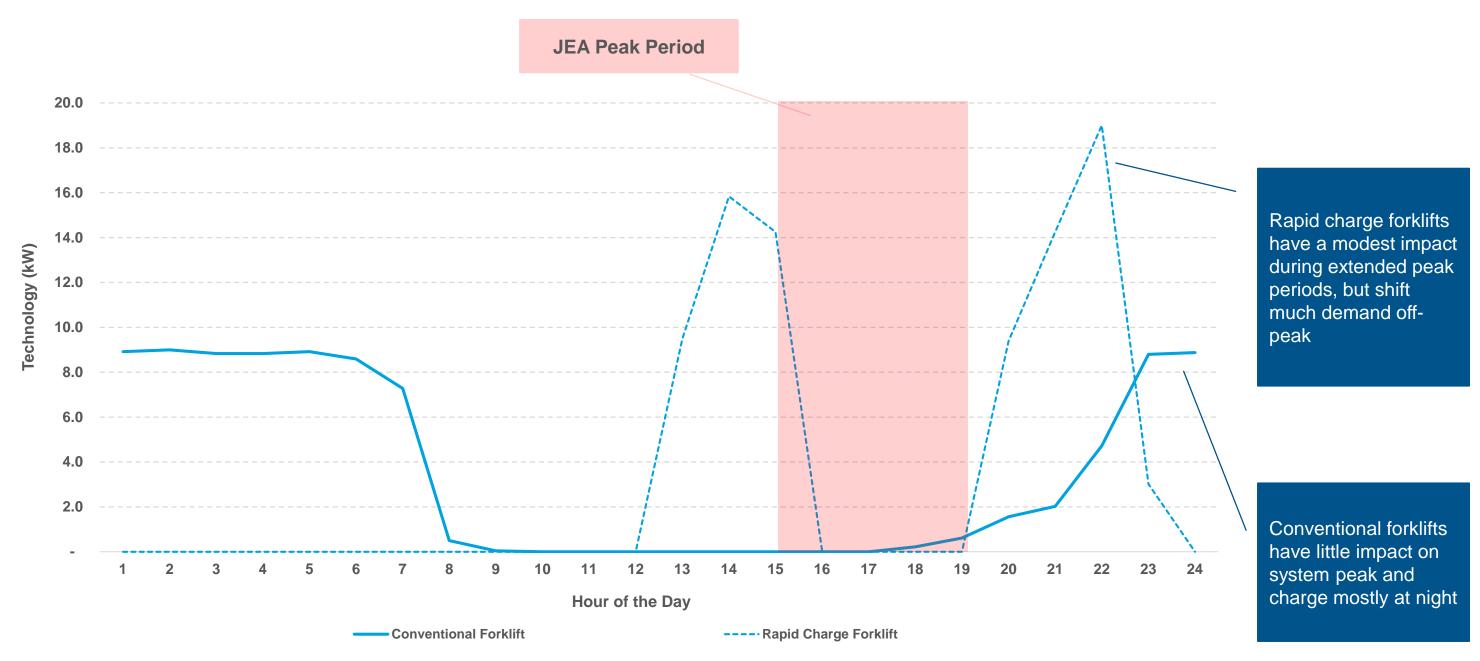
If we improve load factor 1 percentage point (to 56.6%) by increasing annual energy sales 1.8% without increasing system peak...

Net Revenue (revenue less variable costs of \$0.0325/kWh) increases by \$14.4 Million... To date, we estimate that JEA's NRE program has improved load factor by **0.42%**, increasing net revenue by **\$6M** per year

Increased
"Financial Value"



JEA System Loadshape on 2017 Peak Day vs. Forklift Loadshapes





Possible Expanded Approaches to Beneficial Electrification

Technologies



Off-Road & Material Handling



Manufacturing



Home

Locations



Strategies

Infrastructure Deployment



Rate Design



Education & Outreach



Incentives



Financing



Partnership Planning



Managed Charging



Active Load Management (DR, V2G)





Infrastructure (Ports/Airports)



Workplace or



Destination

Multi-family



In-route



Fleets



On-Road, MD & HD

On-Road, Buses

Food Preparation



HVAC



Water Heating



Recreational



Trains



Custom

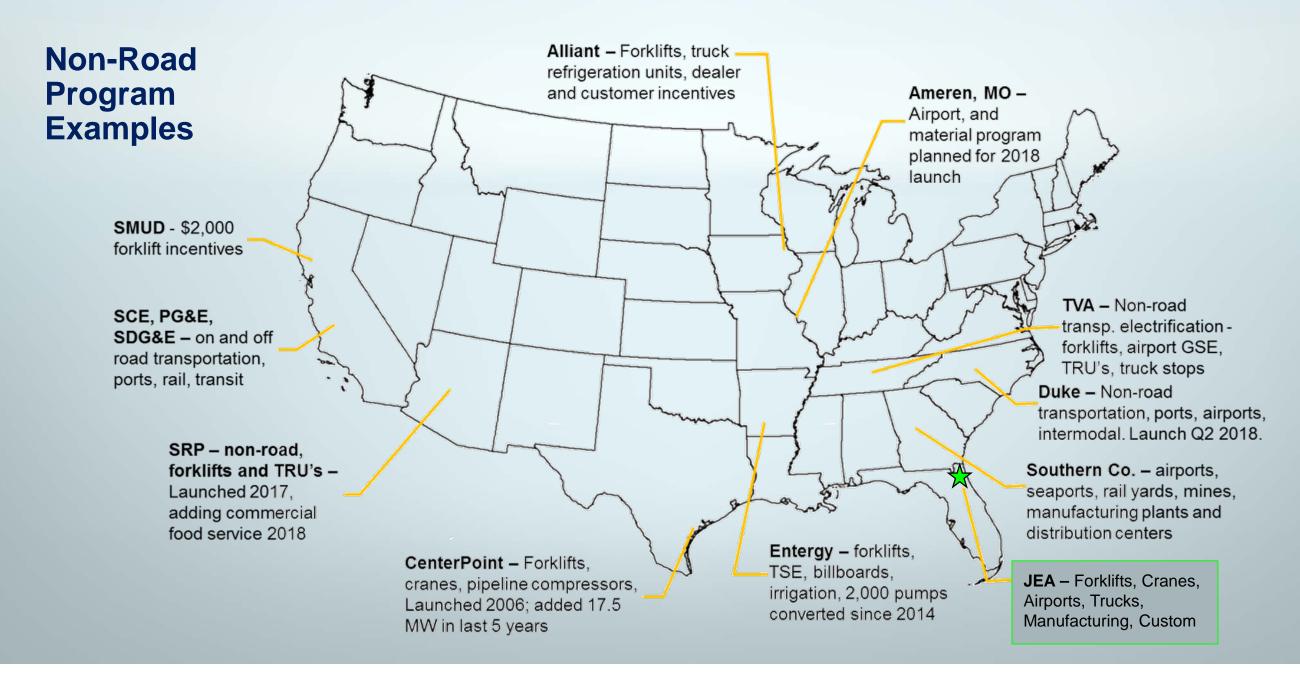


Many Additional Technologies Provide Significant Benefits

	Material Handling and Port Equipment		Airpo	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





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"



18

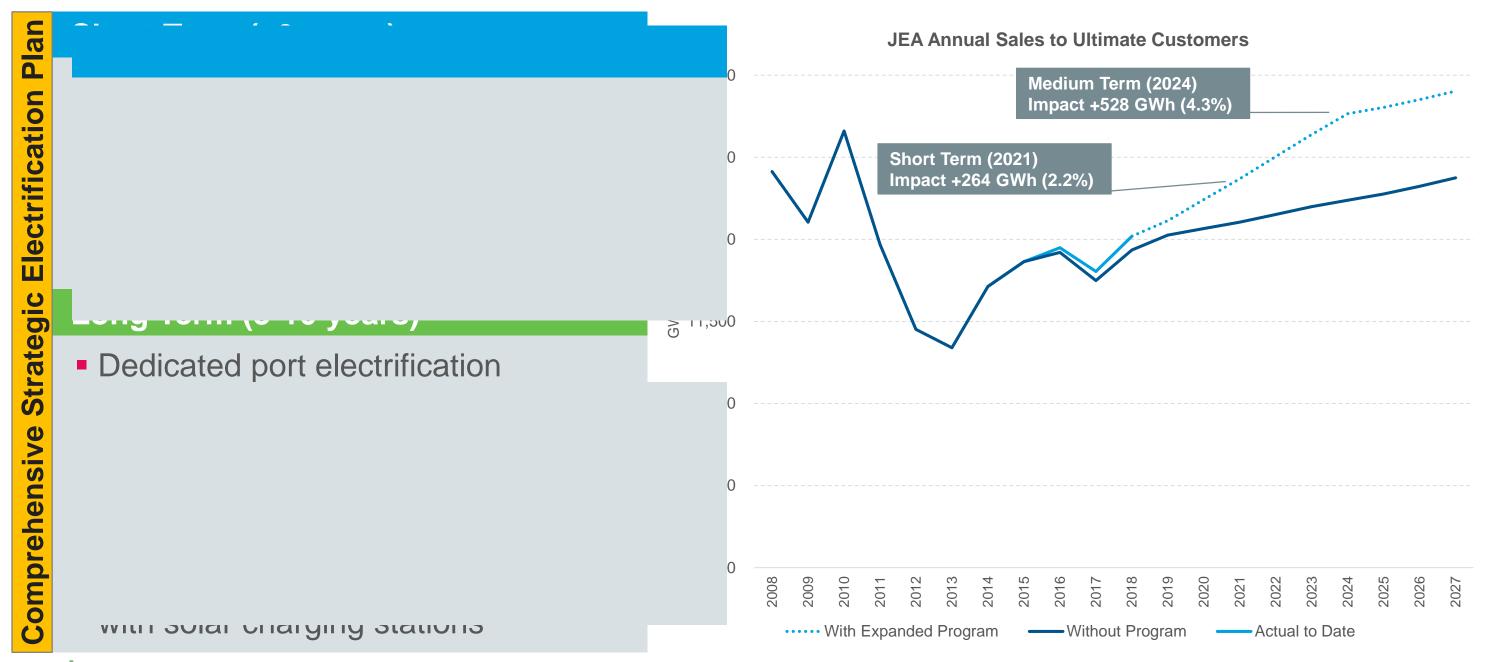
Strategic Questions We Will be Addressing with JEA

- 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?*





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.



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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



Monthly Financial Statements

August 2018

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(iii tilododildo dilddaltod) /tagaot 2010 dild 2011		2018		2017
Assets		2010		2011
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		832,541		868,213
N		·		· · · · · · · · · · · · · · · · · · ·
Noncurrent assets:				
Restricted assets:		400.075		50.400
Cash and cash equivalents		106,275		59,189
Investments		794,645		997,567
Accounts and interest receivable		61		988
Total restricted assets		900,981		1,057,744
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		1,718,921		1,537,229
Capital assets:				
Land and easements		194,458		194,582
Plant in service		11,228,809		11,033,483
Less accumulated depreciation		(6,493,500)		(5,706,393)
Plant in service, net		4,929,767		5,521,672
Construction work in progress		381,875		279,332
Net capital assets		5,311,642		5,801,004
Total assets		7,863,104		8,206,446
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
		41,245		120,010
Unrealized asset retirement obligation Total deferred outflows of resources		460,582		398,195
Total assets and deferred outflows of resources	\$	8,323,686	\$	
i viai asseis aliu ueleneu vuiliuws vi lesvulves	<u> </u>	0,323,000	φ	8,604,641

(III tilousalius - ullaudited) August 2010 aliu 2017		2018		2017
Liabilities	-	20.0		
Current liabilities:				
Accounts and accrued expenses payable	\$	87,667	\$	90,608
Customer deposits	Ψ	59,825	Ψ	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	Φ.	2,611,137
Total liabilities, deferred inflows of resources, and net position	\$	8,323,686	\$	8,604,641

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
Assets	11.7.7	•				•	
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

(III tilousullus Ulluuditsu) August 2010	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)		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	- (1 1)	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

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

			SJRPP System	Inter	ination of company sactions	Total Electric Enterprise Fund		Water and Sewer Enterprise Fund	ewer Er erprise Sy		To	otal 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:	.,		_			.,000		.,000				_,000
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		-0,007		_		19,344
Materials and supplies - Plant Scherer	2,095		10,044		_	2,095		_		_		2,095
Total current assets	597.609		126,692		(22,802)	701.499		161.922		4,792		868,213
Total current assets			120,032		(22,002)	701,430		101,022		7,702		000,210
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	<u> </u>	_	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	Ŭ	279,332
Capital assets, net	2,700,137		478,491		_	3,178,628		2,586,179		36,197	5	5,801,004
Total assets	3,982,866		869,827		(22,802)	4,829,891		3,332,973		43,582		3,206,446
Deferred outflows of resources												
	77 070		44 704			00.404		47.600				127.040
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	Φ.	-	282,167		115,824	Φ.	204	Φ ^	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	3,604,641

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

			SJRPP System	Elimination of Intercompany transactions		Total Electric Enterprise Fund		Water and Sewer Enterprise Fund	District Energy System Fund	To	otal 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	1,172,160
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		1,413,680
Total liabilities		2,971,414		600,479		(22,802)	3,549,091		1,938,908	38,801	5	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	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	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	3,604,641

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

		Electric										
	Sy	stem and		To	otal Electric		Sewer	District				
	Βι	ılk Power	SJRPP	E	Enterprise	ı	Enterprise	Energy				
		Supply	System		Fund		Fund	System Fund	ł	Total JEA		
Unrestricted cash and investments												
Operations	\$	70,225	\$ 12,048	\$	82,273	\$	41,680	\$ 2,19	3	\$	126,146	
Rate stabilization:												
Fuel		63,813	-		63,813		-		-		63,813	
Debt management		29,884	-		29,884		14,209	2,73	7		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	2,73	7		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	\$ 4,93)	\$	464,625	
Restricted assets												
Renewal and replacement funds	\$	213,923	\$ 82,053	\$	295,976	\$	168,558	\$ 44	3	\$	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	2,08	3		231,299	
Environmental funds		-	-		-		461		-		461	
Construction funds		223	-		223		320		-		543	
Subtotal		430,335	99,722		530,057		344,282	2,53	4		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	\$ 2,53	4	\$	900,920	

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

(III tilousanus - unaudited) August 2017		Electric						Water and					
	Sv	stem and			Т	Total Electric		Sewer		District			
	•	lk Power		SJRPP		Enterprise	-	Enterprise		Energy			
	,	Supply		System		Fund		Fund	S	stem Fund	7	otal 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		-		-	- 3,9		
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	

JEA Regulatory Accounting Balances (in thousands - unaudited) August 2018

DESCRIPTION	Electric System and Bulk Power Supply System	SJRPP System	Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Total JEA
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 Supply System	SJRPP System	Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	District Energy System Fund	Total JFA
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

(iii tiiousailus - uliauditeu)		nth		Year-t		
	Aug 2018	gust	2017	Auզ 2018	gust	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

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

	Bi	Electric ystem and ulk Power oply 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

JEA
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

JEA
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

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

	Sy Bu	Electric rstem and ulk Power ply 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-t	o-D	ate
		Aug	gust	
Operating activities		2018		2017
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		702,287		714,225
Noncapital and related financing activities				
Contribution to General Fund, City of Jacksonville, Florida		(106,856)		(106,049)
Net cash used in noncapital financing activities		(106,856)		(106,049)
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		(817,718)		(717,556)
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		(16,175)		(103,311)
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	\$	375,572	\$	384,229
Reconciliation of operating income to net cash provided by operating	activ	ities		
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 Changes in noncash assets and noncash liabilities:		1,079		(1,078)
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	\$	702,287	\$	714,225
		. 02,207	<u> </u>	,
Noncash activity	•			
Contributions of capital assets	\$	49,947	\$	40,870
Unrealized losses on fair value of investments, net	\$	(1,492)	\$	(7,704)

JEA Combining Statement of Cash Flows (in thousands - unaudited) for the eleven months ended August 2018

(in thousands - unaudited) for the eleven months ended August	S _y B	Electric stem and alk Power ply System	SJRPP System	- 1	Elimination of ntercompany transactions	Total Electric Enterprise Fund	Water and Sewer Enterprise Fund	Ene	gy em	Eliminations	Total JEA
Operating activities	•	4 4 4 7 4 7 0	ф 00.0°		t (20.047)	C 4 04 4 404	£ 200.040	ф 7	070	Ф (4E 70E)	¢ 4 004 750
Receipts from customers Payments to suppliers	\$	1,147,176 (610,545)			32,617	\$ 1,214,491 (658,116)	\$ 398,016 (96,852)		978	\$ (15,735) 18,293	\$ 1,604,750
, , , , , , , , , , , , , , , , , , , ,		, , ,	(80,18	,	32,617	, , ,	. , ,	,	,	18,293	(739,941)
Payments to employees Other operating activities		(149,082) 24,894	(44,66 55,10			(193,751) 79,994	(56,938) 11,241	, '	(510)	(2,558)	(251,199) 88,677
Net cash provided by operating activities		412,443	30,17		-	442,618	255,467	4	202	(2,336)	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)	(128,28	80)	-	(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)	(16,68	35)	-	(111,317)	(66,816)) (1	371)	-	(179,504)
Repayment of debt principal		(135,105)	(41,33	30)	-	(176,435)	(51,020)) (1	640)	-	(229,095)
Capital contributions		-		-	-	-	24,674		-	-	24,674
Other capital financing activities		41,806	(7,15	(8	-	34,648	24,946		-	-	59,594
Net cash used in capital and related financing activities		(365,830)	(193,45	3)	-	(559,283)	(254,572)) (3	,863)	-	(817,718)
Investing activities											
Purchase of investments		(464,262)	(252,59		-	(716,856)	(244,156))	-	-	(961,012)
Proceeds from sale and maturity of investments		315,425	428,65		-	744,078	187,297		-	-	931,375
Investment income (loss), net		7,634	(2,14	l6)	-	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)	173,9	3	-	35,458	(51,723))	90	-	(16,175)
Net change in cash and cash equivalents		(175,758)	10,63		-	(165,123)	(73,768)		429	-	(238,462)
Cash and cash equivalents, beginning of year	_	340,063	121,02			461,090	145,909		035	-	614,034
Cash and cash equivalents, end of period	\$	164,305	\$ 131,66	32 5	\$ <u>-</u>	\$ 295,967	\$ 72,141	\$ 7	464	\$ -	\$ 375,572
Reconciliation of operating income to net cash provided by ope	-		4 00.7		•	(000 554	f 440.000	Φ.4	000	Φ.	Ф 004.4FF
Operating income Adjustments:	\$	238,767	\$ 23,78	37 3	\$ -	\$ 262,554	\$ 119,698	\$ 1,	903	5 -	\$ 384,155
Depreciation and amortization		187,166	10,95	3	-	198,119	133,346	2	200	-	333,665
Recognition of deferred costs and revenues, net		(2,497)	(1,54	17)	-	(4,044)	5,160		-	-	1,116
Other nonoperating income, net Changes in noncash assets and noncash liabilities:		109	70	00	-	809	270		-	-	1,079
Accounts receivable		30,356	13,35	9	-	43,715	539		123	-	44,377
Accounts receivable, restricted		-		-	-	-	3		-	-	3
Inventories		1,507	16,98	89	-	18,496	(7,011))	-	-	11,485
Other assets		(1,020)		-	-	(1,020)	630		(1)	-	(391)
Accounts and accrued expenses payable		(19,274)	(12,2	,	-	(31,524)	(5,300))	(46)	-	(36,870)
Current liabilities payable from restricted assets		-	(20,26		-	(20,263)	-		-	-	(20,263)
Other noncurrent liabilities and deferred inflows		(22,671)	(1,5			(24,224)	8,132		23		(16,069)
Net cash provided by operating activities	\$	412,443	\$ 30,17	5 5	\$ -	\$ 442,618	\$ 255,467	\$ 4	202	\$ -	\$ 702,287
Noncash activity	•	4 470	c	,	r.	¢ 4.470	f 40.400	œ.		r.	¢ 40.047
Contributions of capital assets	\$		\$	- 3			\$ 48,468				\$ 49,947
Unrealized gains (losses) on fair value of investments, net	\$	(3,142)	\$ 4,16	55	\$ -	\$ 1,023	\$ (2,515)) \$	-	\$ -	\$ (1,492)

JEA Combining Statement of Cash Flows (in thousands - unaudited) for the eleven months ended August 2017

(III thousands - unaddited) 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	s Total JEA
Operating activities Receipts from customers	\$ 1.102.814	\$ 231,535	\$ (128,486)	Ф 4 20E 0C2	\$ 400,681	\$ 7,891	\$ (15,869)	\$ 1,598,566
Payments to suppliers	(556,055)	(184,212)	128,486	\$ 1,205,863 (611,781)	(84,788)	(3,729)	17,957	(682,341)
Payments to employees	(148,386)	(28,777)	120,400	(177,163)	(54,908)	(3,729)	17,957	(232,540)
Other operating activities	25,084	(20,777)	-	25,084	7,544	(409)	(2,088)	
Net cash provided by operating activities	423,457	18,546	-	442,003	268,529	3,693	(2,000)	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)	-	-	
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) of								
Operating income Adjustments:	\$ 297,997	\$ 23,305	\$ -	\$ 321,302	\$ 132,088	\$ 1,636	\$ -	\$ 455,026
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)	,	-	-	(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	(50.070)	1,363	-	1,363	- (4.000)	(00)	-	1,363
Other noncurrent liabilities and deferred inflows Net cash provided by operating activities	(53,878) \$ 423,457	\$ 18,546	\$ -	(53,326) \$ 442,003	(1,026) \$ 268,529	(30) \$ 3,693	\$ -	\$ 714,225
	Ţ 120, 101	2 .0,0 10	-	Ţ . HZ,000	J 230,020	2 3,000	-	Ţ . 1 1, 22 0
Noncash activity Contributions of capital assets	\$ 906	\$ -	\$ -	\$ 906	\$ 39,964	\$ -	\$ -	\$ 40,870
Unrealized losses on fair value of investments, net	\$ (2,292)			\$ (4,760)			\$ -	\$ (7,704)
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August 2018 August 2017 Renewal and Renewal and **Debt service** replacement Construction **Debt service** replacement Construction funds funds funds funds funds 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 215,276 157,849 582 186,495 174,861 391 216,189 223 220,272 208,374 Ending balance 236,388 39 Recap: Renewal and replacement fund: \$ 213,923 \$ 206,587 Cash & investments Storm costs to be recovered 14,402 Accounts / notes receivable: Accounts receivable 8,043 1,739 Street light & other customer loans 20 48 236,388 208,374 Construction fund: \$ \$ Generation projects 110 32 T&D and other capital projects 113 7

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	 August 2018								August 2017								
	ot service funds	rep	newal and placement funds	Co	nstruction funds	En	vironmental funds	De	ebt service funds		enewal and placement funds	C	onstruction funds		ronmental iunds		
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		-		<u> </u>		
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 Storm costs to be recovered Accounts / notes receivable:		\$	168,558 4,537							\$	186,188 -						
Accounts receivable Notes receivable		\$	8 173,103	- -						\$	2 12 186,202						
Construction fund: Project funds				\$	320 320							\$	152 152				
Environmental fund: Cash & investments						\$	461 461							\$	821 821		

JEA Electric System					M	onth		Prior Year Mo	Page 20
	A NII	NUAL BUDGET	l	BUDGET	IVIC	ACTUAL	Variance	ACTUAL	
Budget vs. Actual	ANI						Variance		Variance
August 2018 and 2017		2017-18		2017-18		2017-18	%	2016-17	%
Fuel Related Revenues & Expenses	•	447.040.050	•	44 000 000	•	40.000.000	0.000/	10.005.040	0.050/
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						7,300,171		7,024,109	
R&R - Electric System		10,110,614		842,551		- - 407 400		- - 400 400	
		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 Nonfuel Purchased Power:		5,000,000		-		-		-	
* 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%
				,,		0.,000,000		,,	
Non-Fuel Balance		-		37,736,195		(812,621)	. <u>-</u>	(443,998)	•
Total Balance		-		36,864,605		(812,621)	: =	(443,998)	į
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 KWH Sold - Off System		13,020,000,000		1,289,628,822		1,249,276,224 666,000	-3.13%	1,260,217,000 15,345,000	-0.87%
· ·		13,020,000,000		1,289,628,822		1,249,942,224	-3.08%	1,275,562,000	-2.01%

 $^{^{\}star}$ Gross debt service ** Includes transmission capacity, SJRPP and Scherer R & R, O & M $\,$ and Investment Income.

JEA					· · · · - · · · · · · · · · · · · ·	Page 21
Electric System	ANNUAL DUDGET		ar-to-Date	Variance	Prior Year-to-D	
Budget vs. Actual August 2018 and 2017	ANNUAL BUDGET 2017-18	BUDGET 2017-18	ACTUAL 2017-18	Variance %	ACTUAL 2016-17	Variance
Fuel Related Revenues & Expenses	2017-16	2017-10	2017-10	70	2010-17	%
Fuel Related Revenues & Expenses Fuel Rate Revenues	\$ 417,649,053 \$	380,468,787 \$	359,702,938	-5.46% \$	360,344,315	0.100/
ruei Nate Nevertues	φ 417,049,000 φ	360,406,767 \$	339,702,930	-5.40 /o φ	300,344,313	-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%
	,0.10,000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	000,102,000	10.2070	000,011,010	0.1070
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	-	-		-	
Nonfuel Purchased Power:						
* 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	_
T. 10	4.000	4.455.001.00	4.001.51=5=-		4.440.454.55	-
Total Revenues Total Expenses	1,268,533,999 1,268,533,999	1,155,831,192 1,140,219,618	1,091,217,070 1,090,379,209	-5.59% 4.37%	1,142,401,704 1,141,030,110	-4.48%
Total Expenses	1,200,333,333	1,140,213,010	1,030,313,203	7.37 /0	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%

 $^{^{\}star}$ Gross debt service ** Includes transmission capacity, SJRPP and Scherer R & R, O & M $\,$ and Investment Income.

Water and Sewer System					Mo	onth			nth	
Budget vs. Actual	ANNUA	L BUDGET		BUDGET		ACTUAL	Variance		ACTUAL	Variance
August 2018 and 2017	20	17-18		2017-18		2017-18	%		2016-17	%
REVENUES										
Water & Sewer Revenues	\$	456,850,720	\$	40,010,943	\$	37,227,611		\$	34,957,894	
Capacity & Extension Fees	Ψ	21,000,000	Ψ	1,843,781	Ψ	2,099,910		Ψ.	2,595,734	
Capital Contributions		,000,000				_,000,0.0			_,000,.0.	
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										
		154 202 202		12 762 005		12,709,073			12 700 255	
O & M Expenses Debt Principal - Water & Sewer		154,382,393 51,720,000		12,762,995 4,310,000		4,310,000			12,780,255 4,251,667	
Debt Interest - Water & Sewer		69,402,632		5,783,552		5,389,664			4,251,667 5,591,795	
Bond Buy-Back Principal - Water & Sewer		69,402,632		5,765,552		5,369,664				
,		-		-		-			6,155,451	
Rate Stabilization - Debt Management Rate Stabilization - Environmental		-		-		004 000			(6,081,000)	
Rate Stabilization - Environmental R&R - Water & Sewer		- 24 472 000		2 020 402		924,689			415,547	
		24,473,800		2,039,483		2,039,483			1,897,242	
Operating Capital Outlay Operating Capital Outlay - Capacity/Extension		151,801,519		13,346,770		13,346,770			8,712,602	
		21,000,000		1,750,000		2,099,910			2,595,733	
Operating Capital Outlay - Contributions Operating Capital Outlay - Environmental		47 400 000		4 440 207		295,588			- 770,231	
		17,182,866		1,448,267		,			,	
City Contribution Expense Uncollectibles & Fees		25,148,020		2,095,668		2,095,668			1,962,688	
Emergency Reserve		685,277		57,106		52,275			51,648	
		1,000,000		43,593,841		43,263,120	0.76%		39,103,859	-10.64%
Total Expenses		516,796,507		43,593,841		43,263,120	0.76%		39,103,859	-10.649
Total Balance	\$	-	\$	2,842,045	\$	571,827	= :	\$	241,644	
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%
				v	7	To Date			Dries Vees to D	
Budget ve Actual	AMMITA	I DIIDGET			ear-i		Variance			Variance
										%
Budget vs. Actual August 2018 and 2017		L BUDGET 17-18		BUDGET 2017-18	ear-1	To-Date ACTUAL 2017-18	Variance %		Prior Yea ACTUAL 2016-17	r to D
REVENUES	_									
Water & Sewer Revenues	\$ 4	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	

			Ye	ar-T	o-Date		Prior Year to D	ate
Budget vs. Actual August 2018 and 2017	ANI	NUAL 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	\$	-	\$ 15,733,290	\$	2,847,834		\$ 2,714,409	
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%

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JEA District Energy System				Page 23 Prior Year Month			
Budget vs. Actual August 2018 and 2017	AL 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	B	429,521	\$	143,096	

			Yea	ar-T	o-Date		Prior-Year-to	-Date
Budget vs. Actual	ANNU	JAL BUDGET	BUDGET		ACTUAL	Variance	ACTUAL	Variance
August 2018 and 2017		2017-18	2017-18		2017-18	%	2016-17	%
REVENUES								
Revenues	\$	9,125,828	\$ 8,220,022	\$	7,855,192		\$ 7,876,35	1
Investment Income		-	-		90,276		37,00	5
Total		9,125,828	8,220,022		7,945,468	-3.34%	7,913,35	6 0.41%
EXPENSES								
O & M Expenses		5,139,991	4,503,885		3,756,512		4,080,00	6
Debt Principal - DES		1,660,000	1,521,667		1,521,667		1,503,33	3
Debt Interest - DES		1,359,084	1,245,827		1,245,827		1,267,24	9
R&R - DES		440,362	403,665		400,446		401,17	9
Operating Capital Outlay		526,391	482,526		-		200,00	0
Total Expenses		9,125,828	8,157,570		6,924,452	15.12%	7,451,76	7.08%
Total Balance	_\$	-	\$ 62,452	\$	1,021,016	_	\$ 461,58	9_

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

(III ulousalius - ullauditeu)			nth gust			Year-t Aug	o-Dat	te
		2018		2017		2018		2017
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	K	7.63
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	Ψ	10,833	Ψ	13,401	Ψ	118,643	Ψ	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	х	2.98	X	2.37	x	2.59
Fixed charge coverage ⁽⁷⁾		0.58	v	2.28	v	1.78	·	1.90
inou ondigo octorago		0.00	^	2.20	^	1.70	^	1.50

⁽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.

	Мо	nth		Year-to-Date					
	Aug	gust			Aug	gust			
	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	v	1.83	v	3.35	v	1.63		

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

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

			nth gust			Year-t	o-Date	•
	20	18	,	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	ĸ	1.23

 $^{^{\}mbox{\scriptsize (1)}}$ Excludes depreciation and recognition of deferred costs and revenues, net.

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

			nth just				o-Date gust	
		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

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

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

⁽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.

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

	Month August					Year-t Aug	te	
		2018	J	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	Ψ	(208)	Ψ	(208)	φ	(2,287)	φ	,
Aggregate debt service	\$	7,779	\$	7.940	\$	85,546	\$	(2,291) 87,257
Aggregate debt service	Ψ	7,779	φ	7,940	Φ	05,540	Φ	01,231
Senior debt service coverage (3)		3.50	Х	3.97	Х	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		3.35		2.82		2.91 x
Fixed charge coverage		2.70	v	3.15 x	,	2.59 x		2.70 x
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⁽¹⁾ Excludes the Build America Bonds subsidy.

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

	Month					Year-to-Date			
	August				Augus				
	2	018		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	х	1.68	x	1.52	x	1.39 x	

⁽¹⁾ Excludes depreciation.

 $^{^{\}left(2\right)}$ 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

⁽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.

JEA Electric System, St. Johns River Power Park System and Scherel Principal Amount of Debt Outstanding and Average Interest Rates August 2018

			Par Amount	Current
Inner (Assessed Courses Bota	Interest Bates	Principal	Principal	Portion of
Issue/Average Coupon Rate Electric System - Fixed Rate Bonds	Interest Rates	Payment Dates	Outstanding	Long-Term Deb
Series Three 2004 A	5.000%	2039	\$ 5,000	\$
Series Three 2004 A Series Three 2005 B	4.750%	2033	100,000	Ψ
Series Three 2009 D - BABs	6.056%	2033-2044	45,955,000	
Series Three 2009 D - BABS	4.000%	2018-2019	10.065.000	4,995,000
Series Three 2010 C	4.125 - 4.500%	2026-2031	1,950,000	4,995,000
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	0,005,000
Series Three 2012A	4.000 - 4.500%	2023-2033	16,995,000	
Series Three 2012A Series Three 2012B	2.000 - 5.000%	2019-2039	85,615,000	
Series Three 2013A	3.000 - 5.000%	2019-2039	74,865,000	9,100,00
Series Three 2013A Series Three 2013B	3.000 - 5.000%	2026-2038	7,500,000	9,100,00
Series Three 2013C	4.000 - 5.000%	2018-2030		4 205 00
Series Three 2013C Series Three 2014A			19,335,000 12,870,000	4,295,00 2,060,00
	3.400 - 5.000%	2018-2034	, ,	
Series Three 2015A	2.750 - 5.000%	2018-2041	69,975,000	145,00
Series Three 2015B	3.375 - 5.000%	2018-2031	23,900,000	6,675,00
Series Three 2017A	5.000%	2019	18,670,000	
Series Three 2017B	3.375 - 5.000%	2026-2039	198,095,000	22 27 22
Total Fixed Rate Senior Bonds	5.0000/	2010	627,360,000	33,275,00
2009 Series D	5.000%	2018	11,660,000	11,660,00
2009 Series E	4.000%	2018	295,000	295,00
2009 Series F - BABs	4.800 - 6.406%	2018-2034	63,670,000	1,515,00
2009 Series G	4.000 - 5.000%	2018-2019	16,090,000	1,425,00
2010 Series B	4.000 - 5.000%	2018-2024	4,605,000	925,00
2010 Series D - BABs	4.000 - 5.582%	2018-2027	44,125,000	2,075,00
2012 Series A	3.250 - 5.000%	2018-2033	62,440,000	5,950,00
2012 Series B	3.250 - 5.000%	2018-2037	52,995,000	2,580,00
2013 Series A	3.000 - 5.000%	2018-2030	44,585,000	1,530,00
2013 Series B	3.000 - 5.000%	2018-2026	21,275,000	2,740,00
2013 Series C	1.375 - 5.000%	2018-2038	78,330,000	1,175,00
2013 Series D	4.000 - 5.250%	2018-2035	88,660,000	14,125,00
2014 Series A	4.000 - 5.000%	2018-2039	121,320,000	10,990,00
2017 Series A	3.000 - 5.000%	2018-2019	31,790,000	30,500,00
2017 Series B	3.375 - 5.000%	2018-2034	185,745,000	795,00
Total Fixed Rate Subordinated Bonds			827,585,000	88,280,00
Total Fixed Rate Electric System Bonds/4.5	43%		1,454,945,000	121,555,00
lectric 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	400,00
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	400,00
Series Three 2008 C-1	1.500%	2024-2034	44,145,000	700,00
Series Three 2008 C-2	1.500%	2024-2034	43,900,000	
Series Three 2008 C-3	1.470%	2030-2038	25,000,000	2 625 00
Series Three 2008 D-1	1.867%	2018-2036	108,900,000	2,625,00
Total Variable Rate Senior Bonds	1 5200/	2024 2025	461,955,000	3,425,00
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	3,425,00
Total Electric System Bonds			2,049,320,000	124,980,00
. Johns River Power Park - Fixed Rate Bonds	4.50000	000-		
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	1,720,00
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 Par	k Bonds/4.012%		280,605,000	1,720,00
ulk Power Supply System, Scherer 4 Project - Fi	xed Rate Bonds			
Series 2010A - BABs	4.250 - 5.920%	2018-2030	37,400,000	3,045,00
Series 2014A	2.000 - 5.000%	2018-2038	63,320,000	2,665,00
Total Fixed Rate Bulk Power Supply System			100,720,000	5,710,00

⁽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/remarketing fees and interest rate swap payments.

Debt Ratio - Electric Entrerprise Fund	Current YTD 72.9%	Prior YTD 65.8%	Year End Target 71.1%
	Electric System	Power Park Issue Three	•
Remaining New Money Authorization	\$ 465,160,992	103,865,000	
 Remaining Senior Refunding Authorization 	\$ 1,022,837,381	250,810,000	
 Remaining Subordinated Refunding Authorization 	\$ 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	_,.00,000
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	- 1,000,000
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	_,000,000
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 Bond			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)		<u> </u>	
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 Bo	onds		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) / To	tal Outstanding Debt	3.614%	\$ 1,532,340,000	\$ 51,720,000

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

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

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	F	Current Portion of g-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.

⁽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.

[•] Remaining New Money Authorization

Remaining Refunding Authorization

INVESTMENT PORTFOLIO REPORT August 2018 All Funds

	INVESTMENT	BOOK VALUE	YIELD	% OF TOTAL	LAST MONTH	6 MONTH AVERAGE
*	Treasuries	\$ 208,086,741	2.04%	15.24%	14.83%	13.70%
	rreasuries	φ 200,000,741	2.04%	13.2470	14.03%	13.70%
	Agencies					
	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%
	M II E D I A (0)					
	Wells Fargo Bank Accounts (3)	00 444 000	4.000/	4.000/	0.770/	0.500/
	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%
	i otal i ortiolio	ψ1,000,090,410	2.13/0	100.00 /6	100.00 /6	100.00 /8

* 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

		Effective	Termination	Electric System	Water/Sewe	r Fixed	Floating		Rate	
ID	Dealer	Date	Date	Allocation	Allocation	Rate	Rate (1)	Spread	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	\$406,810,000	\$ 115,660,000	Wtd Av	g Spread	2.355		

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

JEA Electric System Operating Statistics

	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)		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				

 $[\]begin{tabular}{ll} \end{tabular} \begin{tabular}{ll} \end{tabular} \beg$

JEA Water and Sewer System Operating Statistics

		Month			Year-to-Date			
	2018	Augus	t 2017	Variance	Auզ 2018	gust 2017	Variance	
Water								
Revenues (000's omitted):								
Residential	\$ 8,	143 \$	7,598	7.17%	84,915	\$ 84,911	0.00%	
Commercial and industrial		180	3,875	7.87%	43,473	42,427	2.47%	
Irrigation		707	2,910	-6.98%	29,286	33,436	-12.41%	
Total water revenues	15,0		14,383	4.50%	157,674	160,774	-1.93%	
Less: rate stabilization		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%		\$ 153,371	-5.83%	
Kgal sales (000s omitted)								
Residential	1,483,	570	1,404,216	5.65%	15,537,226	16,227,120	-4.25%	
Commercial and industrial	1,238,		1,145,039	8.17%	12,711,846	12,227,017	3.97%	
Irrigation			494,124	-12.06%	4,763,310	5,793,527	-17.78%	
· ·	434,							
Total kgals sales	3,156,	043	3,043,379	3.72%	33,012,382	34,247,664	-3.61%	
Number of accounts (1):				- 4-04				
Residential	288,		281,497	2.42%	285,086	278,559	2.34%	
Commercial and industrial	25,		25,529	1.12%	25,691	25,413	1.09%	
Irrigation	37,		37,010	0.38%	37,044	36,732	0.85%	
Total average accounts	351,2	262	344,036	2.10%	347,821	340,704	2.09%	
Residential averages:								
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								
Revenues (000's omitted):								
Residential	\$ 12,	267 \$	11,442	7.21% \$	128,457	\$ 128,452	0.00%	
Commercial and industrial	, ,	649	8,840	9.15%	99,278	96,141	3.26%	
Total sewer revenues	21,		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)	149.239	
Net sewer revenues	22,		21,069	5.39%	232,729	233,574	-0.36%	
Kgal sales (000s omitted)								
Residential	1,282,	110	1,215,226	5.53%	13,442,130	14,003,546	-4.019	
Commercial and industrial	1,046,		956,333	9.38%	10,719,838	10,470,492	2.38%	
Total kgals sales	2,328,		2,171,559	7.23%	24,161,968	24,474,038	-1.28%	
Number of accounts (1):								
Residential	255,	28/1	248,737	2.63%	252,228	245,918	2.57%	
Commercial and industrial	18,		18,224	0.93%	18,334	18,142	1.06%	
Total average accounts								
Total average accounts	273,	<i>311</i>	266,961	2.52%	270,562	264,060	2.46%	
Residential averages:	40	0.5	40.00	4.400/	500.00	500.04	0.500	
Revenue per account - \$.05	46.00	4.46%	509.29	522.34	-2.50%	
kgals per account Revenue per kgals - \$.02 .57	4.89 9.42	2.66% 1.59%	53.29 9.56	56.94 9.17	-6.41% 4.25%	
_								
Reuse Poyonues (000's amitted):								
Revenues (000's omitted):	Φ :	. 70 *				A		
Reuse revenues	\$ 1,	170 \$	1,199	-2.42%	12,386	\$ 11,955	3.61%	
Kgal sales (000s omitted)								
Reuse sales (kgals)	259,	170	260,408	-0.48%	2,797,525	3,058,880	-8.54%	
• /		106	10,147	22.46%	11,393	9,310	22.37%	
Number of accounts (1): Reuse accounts	12,	+20	10,147					
Reuse accounts	12,	+20	10,147	Diff in inches				
Number of accounts (1): Reuse accounts Rainfall Normal		.80	6.80		44.20	44.20	Diff in inches	
Reuse accounts Rainfall	6				44.20 54.00			

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

Contracted power: 2018 2017 Variance 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018 2017 2018		-4	o-D	A					A		
Selection Sele	Variance		gust	-		Variance		just			
State	Variance	2011		2010		variance	2017		2010		Generated power:
Fuel expenses											
Fuel expense											
Barrels 8 di consumed \$ -	3 1125.179	339.833	\$	4.163.527	\$		_	\$	_	\$	
Sper barrel consumed \$,	•		•		_	•	_	•	•
With oligenerated (1)		,	\$, -	\$		_	\$	_	\$	
Cost per MWh - oil with start of the start o			Ψ		Ψ		_	Ψ	_	Ψ	· ·
Natural gas units #1-3			Ф		Ф			Ф		•	
Sas expense - variable \$7,300,940 \$7,627,526 4-29% \$1,656,463 \$1,2066,127 \$1,2061,127 \$1,2061,127 \$1,2061,127 \$1,2061,127 \$1,2061,127 \$1,2061,127 \$1,2061,127 \$1,2061,127 \$1,2061,127 \$1,2061,127 \$1,2061,127 \$1,2061,127 \$1,2074,127	7 -80.559	903.57	Ф	175.76	Ф		-	Ф	-	Ф	
MMBTU's consumed	- 47.070	40.000.407	•	54 004 400	•	4.000/	7 007 500	•	7 000 040	•	
Sper MWTU consumed			\$		\$			\$		\$	
KWh - gas generated (1) 201,406,323 209,296,185 3.77% 1,427,441,143 1,187,870,935 Cost per MWh - gas & oil - steam \$ 36.25 \$ 36.44 -0.53% \$ 36.47 \$ 36.99 Cost per MWh - gas & oil - steam \$ 36.25 \$ 36.44 -0.53% \$ 38.47 \$ 36.29 Cost per MWh - gas & oil - steam \$ 2,696,222 \$ 1,757,369 51.42% \$ 26,167,417 \$ 13.674,584 KWh penerated \$ 7379,788 \$ 30.89 -10.37% \$ 31.820 \$ 30.25 Petrocke and limestone \$ 75,889 \$ 30.89 -10.37% \$ 32.23 \$ 27.391,026 Expense \$ 8,755,895 \$ 32.25 17,771,71% \$ 6,694,287 \$ 27.391,026 Expense \$ 8,755,895 \$ 32.215 11,717,11% \$ 6,694,287 \$ 27.391,026 Cost per MWh - pet coke and limestone \$ 45.49 \$ 32.15 41,527 \$ 37.36 \$ 22.310.26 Cost per MWh - coal & petcoke - steam \$ 39.51 \$ 31.69 24.67% \$ 37.36 \$ 28.2740,411 Cost per MWh - coal formulation withine: with oil oil oil oil oil oil oil oil									, -,-		
Cost per MWh - gas & oil - steam			\$		\$			\$		\$	•
Cost per MWh - gas & oil - steam	5 20.179			1,427,441,143			209,296,185		- , , -		
Coal expense \$ 2,696,222 \$ 1,757,369 \$ 53,42% \$ 26,167,417 \$ 13,674,584 \$ 452,005,687 \$ 205,005,687 \$ 30,89 \$ 10,37% \$ 32,23 \$ 30,25 \$ 22,005,687 \$ 22,005,677 \$ 22,005,677 \$ 22,005,677 \$ 22,005,677 \$ 22,005,677 \$ 22,005,677	6 -2.089	36.96	\$	36.19	\$	-0.53%	36.44	\$	36.25	\$	Cost per MWh - gas
Coal expense	4 3.329	37.24	\$	38.47	\$	-0.53%	36.44	\$	36.25	\$	Cost per MWh - gas & oil - steam
kWh penerated 97,379,758 56,887,120 71,18% 811,862,007 452,005,087 Cost per MWh - coal \$ 27,699 \$ 30,89 -10,37% \$ 32,23 \$ 30,25 Expense \$ 8,755,895 \$ 3,222,531 171,71% \$ 56,94,287 \$ 27,391,026 KWh generated \$ 45,49 \$ 32,15 41,52% \$ 40,30 \$ 33,29 Cost per MWh - pet coke and limestone \$ 45,49 \$ 32,15 41,52% \$ 40,30 \$ 32,21 cost per MWh - coal & petcoke - steam 3 95,51 \$ 31,69 24,67% \$ 37,36 \$ 32,21 cost per MWh - coal & petcoke - steam \$ 99,00 \$ 103,867 32,70% \$ 3,595,122 \$ 798,802 Euel expenses \$ 69,906 \$ 103,867 32,70% \$ 3,595,122 \$ 798,802 Sure parter consumed \$ 165,65 \$ 103,04 \$ 60,76% \$ 96,69 \$ 120,48 With - oil generated \$ 166,65 \$ 103,04 \$ 60,76% \$ 96,69 \$ 120,48 Sure per MWh - coil \$ 469,76 \$ 293,49 \$ 60,06% <											coal
WMh penerated	4 91.36	13,674,584	\$	26,167,417	\$	53.42%	1,757,369	\$	2,696,222	\$	Coal expense
Cost per MWh - coal \$ 27.69 \$ 30.89 -10.37% \$ 32.23 \$ 30.25											•
New Part		, ,	\$		\$			\$		\$	
Expense	- 0.04	00.20	4	02.20	Ψ	.0.01 /0	00.00	Ψ	21.00	Ψ	•
kWh generated Cost per MWh - pet coke and limestone 192,471,666 100,248,465 91,99% 1,413,423,278 822,740,411 Cost per MWh - coal & petcoke - steam 39.51 31.69 24.67% \$37.36 \$32.21 combustion turbine: twice of limestone Fuel expense \$69,906 \$103,867 -32,70% \$3,595,122 \$798,802 Barrels #2.01 consumed 422 1,008 -58,13% 37,181 6,630 S' per barrel consumed 165,65 \$103,04 60.76% \$96,69 \$120,48 kWh - oil generated 148,812 353,908 -57,95% 14,571,162 2,015,515 Cost per MWh - oil \$469,76 \$293,49 90.06% \$26,73 396,33 Jatural gas (includes landfill) Gas expense Kennedy & landfill - variable \$1,48 3,46 -57,22% 3,02 \$3,37 Wh - gas generated (1) 6,949,395 3,613,992 2,29% 69,515,341 27,331,769 Cost per MWh - gas \$384,031 94,996 304,2	6 107.97	27 201 026	Φ	56 064 297	Ф	171 710/	3 222 521	\$	8 755 905	Ф	
Cost per MWh - pet coke and limestone \$ 45.49 \$ 32.15 41.52% \$ 40.30 \$ 33.29 \$ Cost per MWh - coal & petcoke - steam \$ 39.51 \$ 31.69 \$ 24.67% \$ 37.36 \$ 32.21 \$ combustion turbine:			Φ		Φ			Φ		Ф	•
Cost per MWh - coal & petcoke - steam \$ 39.51 \$ 31.69 \$ 24.67% \$ 37.36 \$ 32.21			Φ.		Φ.			Φ.		•	
Fuel expense \$ 69,906 \$ 103,867 -32,70% \$ 3,595,122 \$ 798,802	9 21.06	33.29	\$	40.30	\$	41.52%	32.15	\$	45.49	\$	Cost per Mvvn - pet coke and limestone
	1 15.96	32.21	\$	37.36	\$	24.67%	31.69	\$	39.51	\$	Cost per MWh - coal & petcoke - steam
Fuel expense Barrels #2 oil consumed A22 1,008 58,13% 3,595,122 \$ 798,802 Barrels #2 oil consumed \$ 165,65 \$ 103,04 60.76% \$ 96,69 \$ 120,48 kWh - oil generated A421 353,908 57,95% 14,571,162 2,015,515 Cost per MWh - oil \$ 469,76 \$ 293,49 60.06% \$ 246,73 \$ 396,33 latural gas (includes landfill) Gas expense Kennedy & landfill - variable MMBTU's consumed A18,812 \$ 154,100 76,33% \$ 2,825,641 \$ 1,204,253 MMBTU's consumed A18,810 \$ 1,48 \$ 34,64 \$ 312,15% 935,424 \$ 357,282 KWh - gas generated (1) 6,949,395 3,613,992 92,29% 69,515,341 27,331,769 Cost per MWh - gas Barrels #2 0il consumed AWh - gas generated A18,810 \$ 39,10 \$ 42,64 \$ 8,30% \$ 40,65 \$ 44,06 Gas expense BB simple - variable A19,96 \$ 304,26% 1,287,265 A10,96 \$ 30,08 \$ 31,41 \$ 11,887,265 A10,96 \$ 30,88 \$ 31,41 \$ 10,832,656 A10,96 \$ 30,88 \$ 31,41 \$ 10,832,656 A10,96 \$ 30,98 \$ 30,99											
Barrels #2 oil consumed											
\$\ \text{per barrel consumed} \text{per barrel consumed} \qu	2 350.06	798,802	\$	3,595,122	\$		103,867	\$	69,906	\$	Fuel expense
kWh - oil generated Cost per MWh - oil 148,812 (49.76) 353,908 (293.49) -57,95% (200.66) 14,571,162 (2,015,515) 2015,515 (24.73) 396.33 latural gas (includes landfill) 346,976 \$ 293.49 60.06% \$ 246.73 \$ 396.33 MMBTU's consumed Sas expense Kennedy & landfill - variable \$ 271,723 \$ 154,100 76.33% \$ 2,825,641 \$ 1,204,253 MMBTU's consumed (1) \$ 1,48 \$ 3,46 -57.22% \$ 3.02 \$ 3.37 KWh - gas penerated (1) \$ 6,949,395 3,613,992 92.29% 69,515,341 27,331,769 Cost per MWh - gas \$ 39.10 \$ 42,64 -8.30% \$ 40.65 \$ 44.06 Gas expense BB simple - variable (1) \$ 384,031 \$ 94,996 304.26% \$ 3,414,394 \$ 2,465,680 MMBTU's consumed (1) \$ 33,736,926 8,375,995 183,41% 101,832,656 \$ 10,332 Ky per MMBTU consumed (1) \$ 23,736,926 8,375,995 183,41% 101,832,656 \$ 71,253,380 Cost per MWh - gas simple (2) \$ 6,965,766 \$ 7,116,012 -2.11% \$ 78,592,790 \$ 78,	0 460.80	6,630		37,181		-58.13%	1,008		422		Barrels #2 oil consumed
Same Register Same Registe	8 -19.75	120.48	\$	96.69	\$	60.76%	103.04	\$	165.65	\$	\$/ per barrel consumed
Cost per MWh - oil \$ 469.76 \$ 293.49 60.06% \$ 246.73 \$ 396.33 Statural gas (includes landfill) Gas expense Kennedy & landfill - variable \$ 271,723 \$ 154,100 76.33% \$ 2,825,641 \$ 1,204,253 MMBTU's consumed \$ 183,607 44,549 312.15% 935,424 357,282 Sper MMBTU consumed \$ 1.48 \$ 3.46 -57.22% \$ 3.02 \$ 3.37 KWh - gas generated (1) 6,949,395 3,613,992 92,29% 69,515,341 27,331,769 Cost per MWh - gas \$ 39.10 \$ 42.64 -8.30% \$ 40.65 \$ 44.06 Gas expense BB simple - variable \$ 733,033 \$ 263,096 178,62% \$ 3,414,394 \$ 2,465,680 MMBTU's consumed \$ 384,031 94,996 304,26% 1,287,265 810,332 Sper MMBTU consumed \$ 1.91 \$ 2.77 -31,08% \$ 2.65 \$ 3.04 KWh - gas generated (1) 23,736,926 8.375,395 183,41% 101,832,656 71,253,380 Cost per MWh - gas simple \$ 30.88 \$ 31.41 -1.69% \$ 33.53 \$ 34.60 Gas expense BB combined - variable \$ 6,965,766 \$ 7,116,012 -2.11% \$ 78,592,790 \$ 78,683,503 KWh - gas generated (1) 353,007,876 370,155,602 -4.55% 3,801,556,344 3,635,745,732 Cost per MWh - gas combined \$ 1,833,929 \$ 1,017,987 80,15% 20,68 \$ 3.08 KWh - gas generated (1) 353,007,876 370,155,602 -4.55% 3,801,556,344 3,635,745,732 Cost per MWh - gas combined \$ 1,833,929 \$ 1,017,987 80,15% 33,801,556,344 3635,745,732 Cost per MWh - gas simple \$ 1,833,929 \$ 1,017,987 80,15% \$ 11,185,437 \$ 5,720,429 KWh - gas generated \$ 1,833,929 \$ 1,017,987 80,15% \$ 3,801,556,344 185,471,348 Cost per MWh - gas & oil ct \$ 22.36 \$ 20.67 \$ 7.68% \$ 23.40 \$ 20.66 Natural gas expense - fixed \$ 3,820,391 \$ 3,763,758 1.50% \$ 36,158,222 \$ 34,802,815 Otal generated power: Fuels expense \$ 32,447,805 \$ 25,026,246 29,66% \$ 274,731,300 \$ 208,987,052 Otal generated power: \$ 20,687,052 20,667 \$ 20,687,052 20,687,052 20,687,052 20,687,052 20,687,052 20,687,052 20,687,052 20,687,052 20,687,052 20,687,052 20,687,052 20,687,052 20,687,052 20,687,05	5 622.95	2,015,515		14,571,162		-57.95%	353,908		148,812		kWh - oil generated
Gas expense Kennedy & landfill - variable 183,607 44,549 312,15% 935,424 357,282 \$ fyer MMBTU consumed 183,607 44,549 312,15% 935,424 357,282 \$ fyer MMBTU consumed \$ 1,48 \$ 3,46 -72,22% \$ 3,02 \$ 3,37 kWh - gas generated (1) 6,949,395 3,613,992 92,29% 69,515,341 27,331,769 Cost per MWh - gas \$ 39,10 \$ 42,64 -8,30% \$ 40,65 \$ 44,06 \$ 4	3 -37.75	396.33	\$	246.73	\$	60.06%	293.49	\$	469.76	\$	Cost per MWh - oil
Gas expense Kennedy & landfill - variable 183,607 44,549 312,15% 935,424 357,282 \$ fyer MMBTU consumed 183,607 44,549 312,15% 935,424 357,282 \$ fyer MMBTU consumed \$ 1,48 \$ 3,46 -72,22% \$ 3,02 \$ 3,37 kWh - gas generated (1) 6,949,395 3,613,992 92,29% 69,515,341 27,331,769 Cost per MWh - gas \$ 39,10 \$ 42,64 -8,30% \$ 40,65 \$ 44,06 \$ 4											latural gas (includes landfill)
MMBTU's consumed 183,607 44,549 312,15% 935,424 357,282 Ky per MMBTU consumed 1.48 3.46 -57.22% 3.02 3.37 KWh - gas generated (1) 6,949,395 3,613,992 92,29% 69,515,341 27,331,769 Cost per MWh - gas \$ 39,10 42,64 -8.30% \$ 40,65 \$ 44.06 Gas expense BB simple - variable \$ 733,033 \$ 263,096 178,62% \$ 3,414,394 \$ 2,465,680 MMBTU's consumed \$ 384,031 94,996 304,26% 1,287,265 810,332 Sy per MMBTU consumed \$ 1.91 \$ 2,77 -31,08% \$ 2.65 \$ 3.04 Wh - gas generated (1) 23,736,926 8,375,395 183,41% 101,832,656 71,253,380 Cost per MWh - gas simple \$ 30,88 \$ 31.41 -1.69% \$ 33.53 \$ 34.60 Gas expense BB combined - variable \$ 6,965,766 \$ 7,116,012 -2.11% \$ 78,592,790 \$ 78,683,503 MMBTU's consumed \$ 1,38 2,74 -49,74% \$ 2.68 \$ 3.08 KWh - gas generated (1) 353,307,876 370,155,602 -4	3 134.64	1 204 253	\$	2 825 641	\$	76.33%	154 100	\$	271 723	\$	
\$\ \text{per MMBTU consumed} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			Ψ		Ψ			Ψ		Ψ.	
kWh - gas generated (1) 6,949,395 3,613,992 92.29% 69,515,341 27,331,769 Cost per MWh - gas \$ 39.10 \$ 42.64 -8.30% \$ 40.65 \$ 44.06 Gas expense BB simple - variable \$ 733,033 \$ 263,096 178.62% \$ 3,414,394 \$ 2,465,680 MMBTU's consumed \$ 384,031 94,996 304.26% 1,287,265 810,332 & Fyer MMBTU consumed \$ 1.91 \$ 2.77 -31.08% \$ 2.65 \$ 3.04 kWh - gas generated (1) 23,736,926 8,375,395 183.41% 101,832,656 71,253,380 Cost per MWh - gas simple \$ 30.88 \$ 31.41 -1.69% \$ 33.53 \$ 34.60 Gas expense BB combined - variable \$ 6,965,766 \$ 7,116,012 -2.11% \$ 78,592,790 \$ 78,683,503 MMBTU's consumed \$ 1.38 2.74 -49.74% 2.68 \$ 3.08 kWh - gas generated (1) 353,307,876 370,155,602 -4.55% 3,801,556,344 3,635,745,732 Cost per MWh - gas combined \$ 1,833,929 \$ 1,017,987 80.15%		,	æ		¢.			¢.		d.	
Cost per MWh - gas \$ 39.10 \$ 42.64 -8.30% \$ 40.65 \$ 44.06 Gas expense BB simple - variable \$ 733,033 \$ 263,096 MMBTU's consumed \$ 384,031 94,996 MMBTU consumed \$ 384,031 94,996 MMBTU consumed \$ 1.91 \$ 2.77 MMBTU consumed \$ 3.736,926 8,375,395 MMBTU s simple \$ 32,736,926 8,375,395 MMBTU's consumed \$ 31.41 MMBTU's consumed \$ 33.4.60 Gas expense BB combined - variable \$ 6,965,766 \$ 7,116,012 MMBTU's consumed \$ 1.38 \$ 2.74 MMBTU's consumed \$ 1.833,929 \$ 1,017,987 MMBTU's consumed \$ 1.83 \$ 2.72 MMBTU's consumed \$ 3.4350,361			Φ		Φ			Φ		Ф	
Gas expense BB simple - variable \$ 733,033 \$ 263,096			_		_			_			
MMBTU's consumed \$ 384,031 94,996 304.26% 1,287,265 810,332 \$/per MMBTU consumed \$ 1.91 \$ 2.77 -31.08% \$ 2.65 \$ 3.04 kWh - gas generated (1) 23,736,926 8,375,395 183.41% 101,832,656 71,253,380 Cost per MWh - gas simple \$ 6,965,766 \$ 7,116,012 -2.11% \$ 78,592,790 \$ 78,683,503 MMBTU's consumed \$ 5,051,448 2,593,545 94,77% 29,318,610 25,505,735 KWh - gas generated (1) 353,307,876 370,155,602 -4.55% 3,801,556,344 3,635,745,732 Cost per MWh - gas combined \$ 1,833,929 \$ 1,017,987 80.15% \$ 11,185,437 \$ 5,720,429 MMBTU's consumed \$ 1,833,929 \$ 1,017,987 80.15% \$ 11,185,437 \$ 5,720,429 MMBTU's consumed \$ 1,833,929 \$ 1,017,987 80.15% \$ 11,185,437 \$ 5,720,429 MMBTU's consumed \$ 1,833,929 \$ 1,017,987 80.15% \$ 11,185,437 \$ 5,720,429 MMBTU's consumed \$ 1,833,929 \$ 3,748,74 166,83% 3,383,736 2,034,691 \$ 1,000,293	6 -7.75	44.06	\$	40.65	\$	-8.30%	42.64	\$	39.10	\$	Cost per MWh - gas
MMBTU's consumed \$ 384,031 94,996 304.26% 1,287,265 810,332 5/ per MMBTU consumed \$ 1.91 \$ 2.77 -31.08% \$ 2.65 \$ 3.04 kWh - gas generated (1) 23,736,926 8,375,395 183.41% 101,832,656 71,253,380 Cost per MWh - gas simple \$ 30.88 \$ 31.41 -1.69% \$ 33.53 \$ 78,683,503 Gas expense BB combined - variable \$ 6,965,766 \$ 7,116,012 -2.11% \$ 78,592,790 \$ 78,683,503 MMBTU's consumed \$ 5,051,448 2,593,545 94.77% 29,318,610 25,505,735 S/ per MMBTU consumed \$ 1.38 2.74 -49.74% \$ 2.68 \$ 3.08 kWh - gas generated (1) 353,307,876 370,155,602 -4.55% 3,801,556,344 3,635,745,732 Cost per MWh - gas combined \$ 1,833,929 \$ 1,017,987 80.15% \$ 11,185,437 \$ 5,720,429 MMBTU's consumed \$ 1,833,929 \$ 1,017,987 80.15% \$ 11,185,437 \$ 5,720,429 MMBTU's consumed \$ 1,833,929 \$ 1,017,987 80.15% \$ 11,185,437 \$ 5,720,429 MWh'- gas generated <td>0 38.48</td> <td>2,465,680</td> <td>\$</td> <td>3,414,394</td> <td>\$</td> <td>178.62%</td> <td>263,096</td> <td>\$</td> <td>733,033</td> <td>\$</td> <td>Gas expense BB simple - variable</td>	0 38.48	2,465,680	\$	3,414,394	\$	178.62%	263,096	\$	733,033	\$	Gas expense BB simple - variable
\$\ \text{per MMBTU consumed} \\ \text{\$1.91} \\ \text{\$2.77} \\ -31.08\ \\ \text{\$2.65} \\ \text{\$3.04} \\ \text{kWh - gas generated (1)} \\ \text{\$23,736,926} \\ \text{\$8,375,395} \\ \text{\$183.41\ } \\ \text{\$101,832,656} \\ \text{\$71,253,380} \\ \text{Cost per MWh - gas simple} \\ \text{\$30.88} \\ \text{\$31.41} \\ \text{\$1.69\ } \\ \text{\$33.53} \\ \text{\$35.353} \\ \text{\$34.60} \\ \text{Gas expense BB combined - variable} \\ \text{\$6,965,766} \\ \text{\$7,116,012} \\ \text{\$2.11\ } \\ \text{\$78,592,790} \\ \text{\$78,683,503} \\ \text{MMBTU's consumed} \\ \text{\$1.38} \\ \text{\$2.74} \\ \text{\$49.74\ } \\ \text{\$29,318,610} \\ \text{\$25,505,735} \\ \text{\$9er MMBTU consumed} \\ \text{\$1.38} \\ \text{\$2.74} \\ \text{\$49.74\ } \\ \text{\$2.68} \\ \text{\$3.08} \\ \text{\$400} \\ \text{\$49.74\ } \\ \text{\$2.66\ } \\ \text{\$3.08} \\ \text{\$400} \\ \text											·
kWh - gas generated (1) 23,736,926 8,375,395 183.41% 101,832,656 71,253,380 Cost per MWh - gas simple \$ 30.88 \$ 31.41 -1.69% \$ 33.53 \$ 34.60 Gas expense BB combined - variable \$ 6,965,766 \$ 7,116,012 -2.11% \$ 78,592,790 \$ 78,683,503 MMBTU's consumed \$ 1,38 2,593,545 94.77% 29,318,610 25,505,735 \$/ per MMBTU consumed \$ 1,38 2.74 -49.74% \$ 2.68 \$ 3.08 kWh - gas generated (1) 353,307,876 370,155,602 -4.55% 3,801,556,344 3,635,745,732 Cost per MWh - gas combined \$ 19.72 \$ 19.22 2.56% \$ 20.67 \$ 21.64 Gas expense GEC simple - variable \$ 1,833,929 \$ 1,017,987 80.15% \$ 11,185,437 \$ 5,720,429 MMBTU's consumed \$ 1,833,929 \$ 10,7987 80.15% \$ 11,185,437 \$ 5,720,429 \$/ per MMBTU consumed \$ 1,83 \$ 2.72 32,49% 3,331 \$ 2.81 \$/ kWh - gas generated \$ 57,517,346 34,350,361 <		,	\$		\$			\$			
Cost per MWh - gas simple \$ 30.88 \$ 31.41 -1.69% \$ 33.53 \$ 34.60 \$ 30.88 \$ 31.41 -1.69% \$ 33.53 \$ 34.60 \$ 33.53 \$ 34.60 \$ 30.88 \$ 31.41 -1.69% \$ 33.53 \$ 34.60 \$ 33.53 \$ 34.60 \$ 30.88 \$ 31.41 -1.69% \$ 33.53 \$ 34.60 \$ 33.53 \$ 34.60 \$ 30.88 \$ 31.41 -1.69% \$ 33.53 \$ 34.60 \$			Ψ		Ψ			Ψ		Ψ	
Sas expense BB combined - variable \$6,965,766 \$7,116,012 -2.11% \$78,592,790 \$78,683,503 MMBTU's consumed 5,051,448 2,593,545 94.77% 29,318,610 25,505,735 \$7,000 \$7			d.		¢.			¢.		æ	0 0 ()
MMBTU's consumed 5,051,448 2,593,545 94.77% 29,318,610 25,505,735 \$/per MMBTU consumed \$ 1.38 2.74 -49.74% \$ 2.68 \$ 3.08 kWh - gas generated (1) 353,307,876 370,155,602 -4.55% 3,801,556,344 3,635,745,732 Cost per MWh - gas combined \$ 19.72 \$ 19.22 2.56% \$ 20.67 \$ 21.64 Gas expense GEC simple - variable \$ 1,833,929 \$ 10,7987 80.15% \$ 11,185,437 \$ 5,720,429 MMBTU's consumed \$ 1,000,293 374,874 166.83% 3,383,736 2,034,691 \$/per MMBTU consumed \$ 1.83 \$ 2.72 -32,49% \$ 3.31 \$ 2.81 kWh - gas generated \$ 75,517,346 34,350,361 67.44% 269,512,484 185,471,348 Cost per MWh - gas simple \$ 31.88 29.64 7.59% \$ 41.50 \$ 30.84 Cost per MWh - gas & oil ct \$ 22.36 20.76 7.68% 23.40 \$ 22.66 Natural gas expense - fixed \$ 3,820,391 \$ 3,763,758 1.50% \$ 36,158,222	0 -3.11	34.60	Ф	33.53	Ъ	-1.69%	31.41	Ф	30.88	ф	Cost per MWn - gas simple
Solution	3 -0.12	78,683,503	\$	78,592,790	\$	-2.11%	7,116,012	\$	6,965,766	\$	Gas expense BB combined - variable
kWh - gas generated (1) 353,307,876 370,155,602 -4.55% 3,801,556,344 3,635,745,732 Cost per MWh - gas combined \$ 19.72 \$ 19.22 2.56% \$ 20.67 \$ 21.64 Gas expense GEC simple - variable MMBTU's consumed \$ 1,833,929 \$ 1,017,987 80.15% \$ 11,185,437 \$ 5,720,429 MMBTU's consumed \$ 1,000,293 374,874 166.83% 3,383,736 2,034,691 \$/per MMBTU consumed \$ 1.83 \$ 2.72 -32.49% \$ 3.31 \$ 2.81 kWh - gas generated 57,517,346 34,350,361 67.44% 269,512,484 185,471,348 Cost per MWh - gas simple \$ 31.88 29.64 7.59% \$ 41.50 \$ 30.84 Cost per MWh - gas & oil ct \$ 22.36 20.76 7.68% 23.40 \$ 22.66 Natural gas expense - fixed \$ 3,820,391 \$ 3,763,758 1.50% \$ 36,158,222 \$ 34,802,815 otal generated power: Fuels expense \$ 32,447,805 \$ 25,026,246 29.66% \$ 274,731,300 \$ 208,987,052	5 14.95	25,505,735		29,318,610		94.77%	2,593,545		5,051,448		MMBTU's consumed
kWh - gas generated (1) 353,307,876 370,155,602 -4.55% 3,801,556,344 3,635,745,732 Cost per MWh - gas combined \$ 19.72 \$ 19.22 2.56% \$ 20.67 \$ 21.64 Gas expense GEC simple - variable \$ 1,833,929 \$ 1,017,987 80.15% \$ 11,185,437 \$ 5,720,429 MMBTU's consumed \$ 1,000,293 374,874 166.83% 3,383,736 2,034,691 \$/per MMBTU consumed \$ 1.83 \$ 2.72 -32.49% \$ 3.31 \$ 2.81 kWh - gas generated \$ 57,517,346 34,350,361 67.44% 269,512,484 185,471,348 Cost per MWh - gas simple \$ 31.88 29.64 7.59% \$ 41.50 \$ 30.84 Cost per MWh - gas & oil ct \$ 22.36 20.76 7.68% 23.40 \$ 22.66 Natural gas expense - fixed \$ 3,820,391 \$ 3,763,758 1.50% \$ 36,158,222 \$ 34,802,815 otal generated power: Fuels expense \$ 32,447,805 \$ 25,026,246 29.66% \$ 274,731,300 \$ 208,987,052	8 -13.11	3.08	\$	2.68	\$	-49.74%	2.74	\$	1.38	\$	\$/ per MMBTU consumed
Cost per MWh - gas combined \$ 19.72 \$ 19.22 2.56% \$ 20.67 \$ 21.64 Gas expense GEC simple - variable \$ 1,833,929 \$ 1,017,987 80.15% \$ 11,185,437 \$ 5,720,429 MMBTU's consumed 1,000,293 374,874 166.83% 3,383,736 2,034,691 \$\frac{1}{2}\$ per MMBTU consumed \$ 1.83 \$ 2.72 -32.49% \$ 3.31 \$ 2.81 \$\frac{1}{2}\$ kWh - gas generated 57,517,346 34,350,361 67.44% 269,512,484 185,471,348 \$\frac{1}{2}\$ Cost per MWh - gas simple \$ 31.88 \$ 29.64 7.59% \$ 41.50 \$ 30.84 \$\frac{1}{2}\$ Cost per MWh - gas & oil ct \$ 22.36 \$ 20.76 7.68% \$ 23.40 \$ 22.66 \$\frac{1}{2}\$ Natural gas expense - fixed \$ 3,820,391 \$ 3,763,758 1.50% \$ 36,158,222 \$ 34,802,815 \$\frac{1}{2}\$ otal generated power: Fuels expense \$ \frac{3}{2}\$ 2447,805 \$ 25,026,246 29.66% \$ 274,731,300 \$ 208,987,052 \$\frac{1}{2}\$ 20.66											•
MMBTU's consumed 1,000,293 374,874 166.83% 3,383,736 2,034,691 \$/ per MMBTU consumed \$ 1.83 2.72 -32.49% \$ 3.31 2.81 kWh - gas generated 57,517,346 34,350,361 67.44% 269,512,484 185,471,348 Cost per MWh - gas simple \$ 31.88 29.64 7.59% \$ 41.50 \$ 30.84 Cost per MWh - gas & oil ct \$ 22.36 20.76 7.68% \$ 23.40 \$ 22.66 Natural gas expense - fixed \$ 3,820,391 \$ 3,763,758 1.50% \$ 36,158,222 \$ 34,802,815 otal generated power: Fuels expense \$ 32,447,805 \$ 25,026,246 29.66% \$ 274,731,300 \$ 208,987,052		-,, -, -	\$		\$			\$		\$	
MMBTU's consumed 1,000,293 374,874 166.83% 3,383,736 2,034,691 \$/ per MMBTU consumed \$ 1.83 2.72 -32.49% \$ 3.31 2.81 kWh - gas generated 57,517,346 34,350,361 67.44% 269,512,484 185,471,348 Cost per MWh - gas simple \$ 31.88 29.64 7.59% \$ 41.50 \$ 30.84 Cost per MWh - gas & oil ct \$ 22.36 20.76 7.68% \$ 23.40 \$ 22.66 Natural gas expense - fixed \$ 3,820,391 \$ 3,763,758 1.50% \$ 36,158,222 \$ 34,802,815 otal generated power: Fuels expense \$ 32,447,805 \$ 25,026,246 29.66% \$ 274,731,300 \$ 208,987,052	9 95.53	5.720 429	\$	11,185 437	\$	80 15%	1.017 987	\$	1.833 929	\$	Gas expense GEC simple - variable
\$\ \text{per MMBTU consumed} \\ \text{kWh - gas generated} \\ \text{Solution} \\ \text{Solution} \\ \text{kWh - gas generated} \\ \text{Solution} \\ \tex			Ψ		Ψ			Ψ		Ψ	
kWh - gas generated 57,517,346 34,350,361 67.44% 269,512,484 185,471,348 Cost per MWh - gas simple \$ 31.88 29.64 7.59% \$ 41.50 \$ 30.84 Cost per MWh - gas & oil ct \$ 22.36 20.76 7.68% \$ 23.40 \$ 22.66 Natural gas expense - fixed \$ 3,820,391 \$ 3,763,758 1.50% \$ 36,158,222 \$ 34,802,815 total generated power: Fuels expense \$ 32,447,805 \$ 25,026,246 29.66% \$ 274,731,300 \$ 208,987,052			œ		¢			œ		ø	
Cost per MWh - gas simple \$ 31.88 \$ 29.64 7.59% \$ 41.50 \$ 30.84 Cost per MWh - gas & oil ct \$ 22.36 \$ 20.76 7.68% \$ 23.40 \$ 22.66 Natural gas expense - fixed \$ 3,820,391 \$ 3,763,758 1.50% \$ 36,158,222 \$ 34,802,815 otal generated power: Fuels expense \$ 32,447,805 \$ 25,026,246 29.66% \$ 274,731,300 \$ 208,987,052			Ф		ф			Ф		Ф	
Cost per MWh - gas & oil ct \$ 22.36 \$ 20.76 7.68% \$ 23.40 \$ 22.66 Natural gas expense - fixed \$ 3,820,391 \$ 3,763,758 1.50% \$ 36,158,222 \$ 34,802,815 otal generated power: Fuels expense \$ 32,447,805 \$ 25,026,246 29.66% \$ 274,731,300 \$ 208,987,052			\$		\$			\$		\$	
Natural gas expense - fixed \$ 3,820,391 \$ 3,763,758 1.50% \$ 36,158,222 \$ 34,802,815 otal generated power: Fuels expense \$ 32,447,805 \$ 25,026,246 29.66% \$ 274,731,300 \$ 208,987,052											
otal generated power: Fuels expense \$ 32,447,805 \$ 25,026,246 29.66% \$ 274,731,300 \$ 208,987,052											, ,
Fuels expense \$ 32,447,805 \$ 25,026,246 29.66% \$ 274,731,300 \$ 208,987,052	5 5.68	J - ,002,013	Ψ	50,150,222	Ψ	1.50 /6	5,105,150	Ψ	0,020,031	Ψ	•
	2 31.46	208 987 052	\$	274 731 300	2	20 66%	25 026 246	\$	32 447 805	•	
xvvii ueneraleu 552,510,102 (65,261,026 19,10% (,955,400,003 6,384,810,277		, ,	φ		φ			Ψ		φ	•
Cost per MWh \$ 34.78 \$ 31.95 8.86% \$ 34.63 \$ 32.73			\$		\$			\$		\$	9
1) Allocation of kWh generated is based upon a ratio of gas MBTU's (adjusted to oil equivalent - 95.5%) and oil MBTU's.	2.00	32 3	~								•

Cost of fuels	•		•		•	4 400 507	•	000 000
Fuel oil #6	\$	-	\$	-	\$.,	\$	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) - variabl	ŧ	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

JEA Electric System Production Statistics (Continued)

			nth				Year-1			
		2018	gus	2017	Variance		Au: 2018	gus	2017	Variance
Production Statistics (Continued)							20.0			74.14.100
Purchased power:										
Plant Scherer										
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%
TEA & other										
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%
SJRPP										
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%
Firel interest on the second		(00.074)		(504.004)	00 500/		(4.000.040)		(4.705.700)	77.000/
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 Operating expenses.		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:										
		(534,633)		(0.40)			(9,531,195)		(0.82)	
Scherer power production Scherer R & R		(2,095,156)		(0.42) (1.63)			(19,857,737)		(0.82)	
Scherer transmission		(472,291)		(0.37)			(5,422,746)		(0.47)	
Scherer taxes		(472,291)		(0.37)			(1,176,485)		(0.47)	
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	
-		45 450 000	•	05.00		_	407.007.01:	•	00.70	
Energy expense per budget page	\$	45,153,899	\$	35.08		\$	427,207,341	\$	36.78	

JEA Electric System SJRPP Sales and Purchased Power

CONT Cales and Great asca Ower	Month				Year-to-Date			
		•	gust				gust	
		2018		2017		2018		2017
MWh sales				0-0.40-				
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 (Includes fuel handling expenses)	\$	20,566	\$	10,146,657	\$	33,267,853	\$	91,724,505
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:		555,772		1,040,442		11,210,233		14,043,000
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		(14,209)		(6,552)		43,365		(66,552)
Debt service Issue 2 Debt service Issue 3		(7,488)		(1,019)		(24,606)		(10,214)
		(99,920)		(1,680)		(135,442)		(73,323)
Bond proceeds COB General reserve Issue 2		, ,		, ,		, ,		
		(18,443)		(15,462)		(185,497)		(150,033)
General reserve Issue 3 Build America Bonds subsidy		(11,982)		(1,882)		(79,880)		(56,639)
Inventory carrying costs		(30,621)		(32,433) (61,401)		(336,833)		(356,765)
Total		894,442		3,221,671		(323,456) 21,686,789		(729,920) 35,309,238
Total		034,442		3,221,071		21,000,709	-	33,309,230
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

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 4^{th} Tuesday of the month, with the exception of November and December, which will be held on the 3^{rd} 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

III. A. Appendix 9/18/2018

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

Date	Event/Activity	Location	Time	Туре
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	Туре
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.	8257 Herlong Blvd.	3:30pm	Ambassador Speaker
9/10/2018	Robotics Club	8237 Heriong Biva.	3.30pm	Allibassadol Speakel
9/11/2018	Matthew Gilbert Midd.	1424 Freanklin St	2pm	Ambassador Speaker
9/11/2018	Robotics Club	1424 Fledikiiii St	Ζμπ	Allibassaudi Speakei
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
0/14/2019	MaliVai Washington Robotics	1096 W 6th St	2:20nm	Ambassador Spoakor
9/14/2018	Club	TO30 M QUI 20	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	Туре
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."

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

^{*}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



September 6, 2018

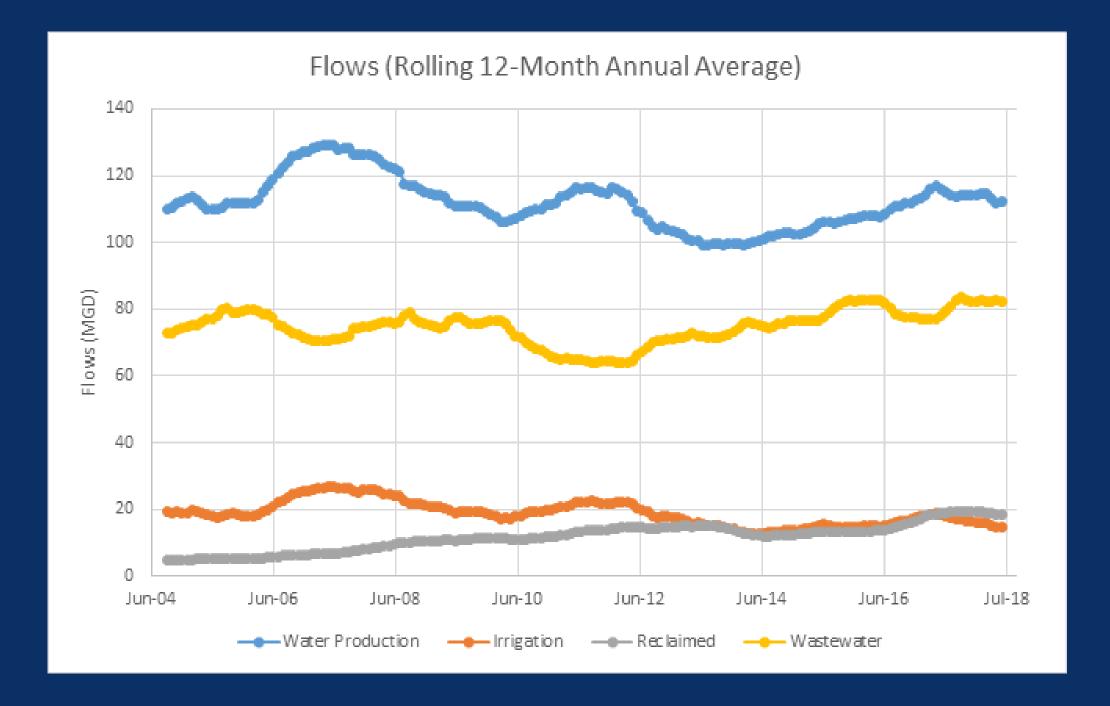
SUBJECT:	FOLLOW-UP INFORMATIO	N ON BREAKDOWN OF WA	TER USE
Purpose:		☐ Action Required	Advice/Direction
Issue: Staff wa	s asked to supply information	related to the breakdown of v	water use.
variance due to irrigation system	On average, approximately 45 some residents having no irres. The attached graph illustradindustrial), wastewater treati	igation usage, while others ha ates the flows for total water p	production (which includes
Effect: N/A			
Cost or Benef	it: N/A		
Recommende	d Board action: This item pro	ovided for information only.	
For additional	information, contact: Paul S	Steinbrecher (904) 665-5653	

Submitted by: AFZ/PKS/CWM



Commitments to Action





September 2018

Breakdown of Water Use