From:	Adam Rubin <adam_rubin@mckinsey.com></adam_rubin@mckinsey.com>				
Sent:	Thursday, October 17, 2019 11:13 PM				
То:	Aminolsharei, Narges; stephen.amdur@pillsburylaw.com				
Cc:	Dykes, Melissa H President/COO; Wannemacher, Ryan F Chief Financial				
	Officer; Anton Derkach; Aaron Bielenberg; Scott Perl; Sarah Brody				
Subject:	Initiative support appendices prepared at the request of counsel				

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*** Prepared at the request of counsel ***

Melissa, Ryan, Narges, Stephen-

Attached are PPT and PDF versions of all three initiative appendices for the data room, including operational improvements.

Melissa and Ryan — in response to Monday's conversation, we have added content on key activities to execute the different types of operational initiatives (see the right-hand side of that pack). That content has not yet been socialized with the SLT members, however. We have started scheduling meetings next week with key owners to begin diving into implementation planning.

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Best, Adam

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This email is confidential and may be privileged. If you have received it in error, please notify us immediately and then delete it. Please do not copy it, disclose its contents or use it for any purpose.

Management Initiatives Growth



Execution of this strategy involves three types of initiatives – operational improvements, strategic capital investments, and growth opportunities



solutions to JEA stakeholders

Detail to follow

Digital

customers while growing earnings and

the regulated asset base

Capture new data sources, automate workflows, and digitalize processes

Regulatory and policy strategy

Develop regulations, policies, and legislation to authorize or continue to enable JEA to execute

Initiatives

Operational

Improvements

Increase the efficiency and

productivity of JEA's operations to

reduce O&M and capex spend,

supporting customer affordability,

creating investment headroom, and

improving service quality and

performance outcomes

Enablers

JEA

Adjacent Growth Businesses Medium- and long-term opportunities

- "Step out" opportunities that take advantage of emerging energy trends
- Require new capabilities and partnerships for JEA to successfully execute

Medium-and long-term opportunities

M&A

 Opportunity to consolidate the fragmented Florida water utility market, bringing JEA's best-in-class operations to improve customer outcomes while growing revenue

Existing strengths

- JEA's intrinsic assets
- JEA's relationships within and outside Jacksonville
- Jacksonville's distinctive characteristics

Near- and medium-term opportunities New revenue opportunities that

Core Growth Businesses

utilities can capture – either regulated or unregulated - and may go beyond current "best in class" utility practice

As a platform for growth, JEA will pursue a variety of new opportunities –

some are core to the utility business, and others "step out" from the utility norm

JEA

JEA will harness opportunities across five markets to serve customers more effectively, driving development in Jacksonville and beyond



	How trends are creating opportunities	Jacksonville today	How JEA will harness opportunities for customers
Electrified transport and facilities	 The transition to electrified products – driven by declining costs and evolving customer preferences – requires significant infrastructure investments and grows load 	 EV penetration is approximately 33% of the national average² No plans to fully electrify ports or municipal fleets 	 Provide EV incentives, public charging infrastructure, and private charger installation, boosting EV adoption to be in line with the US average Electrify the Port of Jacksonville and municipal and public school buses
DG solar and storage	 Solar and storage LCOEs declined nearly 3x in Florida from 2010-17 due to lower hardware prices Customers are increasingly looking to solar plus storage as a convenient, affordable, and reliable generation option 	 Fewer than 0.5% of customers in Jacksonville have installed DG solutions 	 Build community solar, providing equitable access to DG Offer residential storage installation to accelerate preparity adoption Provide C&I DG installation services throughout the region
Water and wastewater services	 Water utilities must balance aging infrastructure, growing resiliency pressures, and affordability constraints Trends favor efficient players that can make broad infrastructure investments, improve operations, and maintain affordability 	 JEA is a top quartile water utility with unique technological and operational capabilities relative to peers 	 Grow JEA's territory and customer base through acquisition, operationally integrating and improving nearby utilities to promote "best in class" water operations and innovation throughout the region
Smart, efficient homes	 In Florida, nearly 2M new homes are projected to be built between 2020-30, spending nearly \$20B on large appliances Utilities can play a role installing and managing efficient appliances with optimization and control technologies 	 The efficient homes market is in its very early stages 	 Install and manage ecosystems of connected, efficient home systems (e.g., Smart Thermostats with HVAC), catalyzing the market
Energy efficiency	 Customers are seeking out an increasingly sophisticated, robust set of energy efficient (EE) home and business solutions to manage energy use 	 Jacksonville residents are increasingly adopting EE products, but FL utilities have been hesitant to seek earnings on lost load¹ JEA has begun some public lighting upgrades, in partnership with the City³ 	 Seek incentives that provide fair compensation for the deployment of EE devices Power Jacksonville's streetlights with "smart", efficient lighting, building on current programs³

1 While US utilities, on average, earned 0.7% of 2017 retail sales from Energy Efficiency savings, Southeast utilities earned 0.3%

2 As a % of car parc. Based on Management Response forecasts, in 2019, EVs comprised 0.2% of the JAX LDV fleet, vs. the national average of 0.6%

3 JEA has upgraded 30,000 traffic signal bulbs to LED, and has upgraded the majority of its streetlights (> 60%)

SOURCE: EIA, GTM Research, IHS Markit, BP, SACE Energy Efficiency in the Southeast 2018 Annual Report, Management Response forecasts

JEA's 2030 growth opportunities consists of 10 initiatives

Included in transaction model "Management Case"

Available in transaction model as an upside case

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		Initiative ¹	Cumulative capital deployment, 2020-30 ²	Cumulative unregulated margins
		1 Expand incentives for electric vehicles and chargers	\$15M	
		2 Build out public DC FAST and L2 charging throughout Jacksonville		
		3 Own and operate bus charging infrastructure for Jacksonville's city and public school fleets	\$95M	
Core	Electrified transport and facilities	4 Build an L2 home charger installation business		<\$1M
Growth Businesses		5 Electrify the Port of Jacksonville	\$35M	
	DG solar and storage	6 Install, maintain and dispatch residential storage	\$31M	
		7 Build a C&I DG solar design, development, and installation business		\$12M
	Energy efficiency	8 Install "smart poles" to enable new smart city use cases	\$200M	
M&A,	Water and wastewater services	A Undertake regional water M&A, driving step-change operational and environmental change	Notin	sluded in
Growth Businesses	Smart, efficient homes	B Build an Efficient Homes business that optimizes resource use through emerging technology		tion model



Electrification

Initiative		JEA's business model		
1	Expand incentives for electric vehicles and chargers	 JEA will generate regulated earnings from the \$15M in Capex deployed to provide vehicle and charger incentives to customers, and administer the overall program, contributing to an incremental 72GWh of load growth in 2030 by supporting EV market growth 	2020	
2	Build out public DC FAST and L2 charging throughout Jacksonville	 JEA will generate regulated earnings from the \$304M in Capex deployed to install and maintain public L2 and DC Fast chargers, contributing to an incremental 72GWh of load growth in 2030 by supporting EV market growth 	2021	
3	Own and operate bus charging infrastructure for Jacksonville's city and public school fleets	 JEA will generate regulated earnings from the \$95M in Capex deployed to design, install, and maintain municipal electric school buses and public transit bus charging infrastructure in partnership with the City and Jacksonville Public Schools 	2022	
4	Build an L2 home charger installation business	 JEA will become the premier entity in Jacksonville to install the ecosystem of private home L2 chargers, earning a 15%¹ margin on installation, contributing to an incremental 72GWh of load growth in 2030 by supporting EV market growth 	2023	
5	Electrify non-road end uses ²	 JEA will generate regulated earnings from the \$35M in Capex deployed from an ambitious program to support electrification of port equipment and in-port activities (e.g. cranes and freight carriers) 	2023	





Core growth business detail (2 / 2)

DG Solar and Storage

Initiative	JEA's business model Sta		
6 Install, own, and dispatch behind the meter DG storage	 JEA will generate regulated earnings from the \$31M in Capex deployed to install and maintain utility-ov behind-the-meter battery storage, "boosting" near-term DG uptake in the pre-cost parity years 	vned 2021	
7 Build a DG solar installation business for Industrial customers	 JEA will earn a ~15% margin¹ by providing solar design, development, and installation services for C&I customers 	2022	

Energy Efficiency

8 Install "smart poles," building on JEA's existing "smart streetlights' program

 JEA will generate regulated earnings from the \$200M in Capex deployed to build out "smart poles" in its service territory to enable the roll-out of new public services and smart city use cases (e.g., free community WiFi, environmental data sensors to support traffic algorithms, etc.)







Adjacent Growth Businesses harness market opportunities to build ambitious businesses at a larger geographic and commercial scale, driving significant value creation

Adjacent Growth Businesses will work outside of the core utility construct...

Leverage synergies and capabilities with future partner(s)



...to build a well-balanced set of dynamic, high value businesses operating beyond JEA's service territory



В

Double JEA's water footprint via acquisition, using its top quartile operational performance and capabilities to provide more efficient, affordable services across Florida

Become the premier **smart efficient homes supplier** for in Florida, providing resource efficient, optimized ecosystems of products and services for homes and communities

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Detail to follow

JIEA

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Adjacent	Water and wastewater services	A Undertake regional water M&A, driving step-change operational and environmental change B Build an Efficient Homes business that optimizes resource use through emerging technology		cluded in
Growth Businesses	(n) Smart, efficient homes			transaction model



Core growth business detail (1 / 2)

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JEA.

Core growth business detail (2 / 2)

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Management Initiatives Strategic Capital



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Regulatory and policy strategy

Develop regulations, policies, and legislation to authorize or continue to enable JEA to execute

Enablers

Detail to follow

JEA.

JEA will make six types of investments to expand the benefits our infrastructure provides to our community and customers



📕 Electric 📃 Water

Cross-cutting

System resiliency



Reduced impacts on utility services from extreme weather events through the deployment of new technologies and enhanced design standards

Grid flexibility



The ability to use a growing, diverse set of resources to dynamically shift demand (load) or supply (generation) across multiple timescales, depending on system needs

Clean, low-cost generation portfolio



Low-cost, reliable electric generation resources that also meet environmental and safety needs

Advanced asset management



Improved observability of infrastructure systems through the deployment of distributed, intelligent devices and advanced operational technology platforms

Septic tank phase-outs



Cleaner, safer, and more convenient wastewater services through system expansion and phase-out of septic tanks

Alternative water supply



Accelerated plans to expand reclaimed water infrastructure

- There are significant investment opportunities incremental to JEA's baseline capital plan
- JEA cannot make all investments within a 10year window, however, due to operational and affordability constraints
- The following pages show both specific potential investments and a reasonable 10-year capital program for each category
- These figures do not reflect a bottom's-up, granular investment plan

JEA

A subset of capital investment opportunities are included in the model

XX \$M of total capital¹

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\$M of capital included in transaction model



nitiative	Potential sub-investments, incremental to the baseline capital plan		What's	actually include
	 Overhead-to-underground conversions of JEA's at-risk distribution feeders and laterals (all phases) 	2,600	470	Grid hardening programmatic
	 Microgrids (e.g., RICE engines, batteries, controllers) 	80		 FPL invests
System resiliency	 Feeder and substation hardening measures (e.g., floodgates, elevation, etc.) 	40	50	Portfolio of wa
	 Targeted water system measures (e.g., effluent pipe lining, back-up power at pump stations) 	50		of identified pr Arlington East;
	 Deployment of advanced VVO (e.g., capacitor banks, regulators, etc.) 	30	300	Portfolio of gr
	Conversion of 4kV feeders	10		and demand fr based on inves
	 Deployment of line sensors onto UG feeders (e.g., FCIs) 	5		- HECO: \$20
Grid flexibility	 Modernization of relay packages (e.g., electromechanical to microprocessor- based) 	10		yr for 460K advanced s
	 Expanded communications infrastructure (e.g. fiber, wireless) 	190		annualized
	 Implementation of ADMS and DERMS with advanced functionalities (e.g., automated load shedding, FLISR, etc.) 	85		distribution and advand
Clean, low-cost generation portfolio	 Portfolio of PV Solar + Storage (including community solar carveout) 	955	955	Portfolio of so and one-time of analysis of cap
	 Deployment of equipment health sensors on substation transformers, battery banks, circuit breakers 	30	70	Investment bu
Advanced asset management	 Development of a data lake, 3-4 initial use cases to build the analytics capability, and programmatic in-house use-case development thereafter 	30		most value for
	New WMS replacement	10		
Septic tank phase-outs	 Phase-out of 65K septic tank systems, assuming that JEA is able to develop innovative solutions that cost less than a traditional gravity system 	1,300	440	Capital to phases systems by 203
Alternative water supply	 Construction of 40 MGD of treatment and purification capacity across 4 different facilities 	930	465	Capital to supports ~15 M

ed in the 10-year model

g investment over 10 years, based on scaling FPL's hardening investments to JEA's system ~\$460M annually into its system of ~67K circuit miles ater resiliency projects over 10 years, built on ~\$30M rojects for Buckman, Monterey, Cedar Bay, and assume ~\$20M of small incremental projects id flexibility solutions to manage intermittent supply rom new DER (e.g., solar, electric vehicles, etc.), scaled stment programs announced at: 5M of programmatic investment over 6 years (~\$35M / customers, similar size to JEA) in line sensors, switches and advanced operating systems 00M of programmatic investment over 5 years (~300M for 5M customers, or **~\$30M / yr scaled to JEA**) in n automation, digital communications infrastructure, ced technology platforms (e.g., ADMS) plar and storage in 2025² (including credits from the ITC capital to decommission Northside), based on high-level pacity and energy needs udget for technology investments, which need to be ed on the functionalities and use cases that create the 'JEA's system

se out the 22K high-priority locations with failing 30 with a traditional gravity system

port development of 2 of the 4 facilities starting in 2025; MGD+ of the 40 MGD capacity target

2 Some portion of solar and storage would be carved out as a community solar plant

~\$2.5B of incremental capital deployed in the model



JEA

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Detail to follow

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in transaction model

\$M of capital included



Initiative		Potential sub-investments, incremental to the baseline capital plan		What's a	actually included in the 10-year model
		 Overhead-to-underground conversions of JEA's at-risk distribution feeders and laterals (all phases) 	2,600	470	Grid hardening investment over 10 years, based on scaling FPL's programmatic hardening investments to JEA's system
		 Microgrids (e.g., RICE engines, batteries, controllers) 	80		 FPL invests ~\$460M annually into its system of ~67K circuit miles
System resiliency		 Feeder and substation hardening measures (e.g., floodgates, elevation, etc.) 	40	50	Portfolio of water resiliency projects over 10 years, built on ~\$30M
	-))((-	 Targeted water system measures (e.g., effluent pipe lining, back-up power at pump stations) 	50		of identified projects for Buckman, Monterey, Cedar Bay, and Arlington East; assume ~\$20M of small incremental projects
		 Deployment of advanced VVO (e.g., capacitor banks, regulators, etc.) 	30	300	Portfolio of grid flexibility solutions to manage intermittent supply
		Conversion of 4kV feeders	10		and demand from new DER (e.g., solar, electric vehicles, etc.), scaled based on investment programs announced at:
		 Deployment of line sensors onto UG feeders (e.g., FCIs) 	5		 HECO: \$205M of programmatic investment over 6 years (~\$35M /
Grid flexibility		 Modernization of relay packages (e.g., electromechanical to microprocessor- based) 	10		yr for 460K customers, similar size to JEA) in line sensors, advanced switches and advanced operating systems
		 Expanded communications infrastructure (e.g. fiber, wireless) 	190		 SCE: ~\$1,500M of programmatic investment over 5 years (~300M annualized for 5M customers, or ~\$30M / yr scaled to JEA) in
		•	 Implementation of ADMS and DERMS with advanced functionalities (e.g., automated load shedding, FLISR, etc.) 	85	
Clean, low-cost generation portfolio		 Portfolio of PV Solar + Storage (including community solar carveout) 	955	955	Portfolio of solar and storage in 2025 ² (including credits from the ITC and one-time capital to decommission Northside), based on high-level analysis of capacity and energy needs
		 Deployment of equipment health sensors on substation transformers, battery banks, circuit breakers 	30	70	Investment budget for technology investments, which need to be
Advanced asset management		 Development of a data lake, 3-4 initial use cases to build the analytics capability, and programmatic in-house use-case development thereafter 	30		prioritized based on the functionalities and use cases that create the most value for JEA's system
		New WMS replacement	10		
Septic tank phase-outs		 Phase-out of 65K septic tank systems, assuming that JEA is able to develop innovative solutions that cost less than a traditional gravity system 	1,300	440	Capital to phase out the 22K high-priority locations with failing systems by 2030 with a traditional gravity system
Alternative water supply 1 Rounded to the nearest \$5M		 Construction of 40 MGD of treatment and purification capacity across 4 different facilities 	930	465	Capital to support development of 2 of the 4 facilities starting in 2025 supports ~15 MGD+ of the 40 MGD capacity target

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Detail to follow

JEA

A Generation initiatives (1/2)



Initiative	Description	2018 addressable spend baseline and description, \$M	Savings target ³	Key activities to execute	
Improve generation efficiency to reduce consumption of fuels, other consumables	 Institute performance tracking of heat rate to reduce variability and controllable losses Improve technical performance (e.g., clean HRSG, install better air inlet filter) Reduce limestone usage by installing new crush and burn system 	Fuels and other consumables	4%	 Implement heat rate monitoring tools (e.g., etaPRO) and include heat rate as a day-to-day performance KPI Identify controllable parameters (e.g., boiler temps, backpressure) deviating from design and problem-solve operational solutions (e.g., adjusting tilts) or technical solutions (e.g., filter replacements) to address Coach plant operators on identified interventions to reduce heat rate Review utilization of consumables (e.g., limestone) to ensure excess materials aren't used 	
Frontline operational excellence	 Increase crew productivity by improving core work processes (e.g., planning and scheduling) and increasing "wrench time" for core workflows, e.g.: Break-ins (e.g., bearing failures) PMs (e.g., oil replacement) Optimize resourcing and schedules of craft across shifts to match volume of work with resources 	43 16 Internal labor, 3 rd party services	8%	 Perform site observations and ride-alongs of workflows (e.g., valve replacements) to develop a fact base Identify opportunities to increase productivity by collaboratively engaging the frontline (i.e., idea generation sessions) and/or leveraging industry best practices Develop action plans to implement new best practices (e.g., pre-kitting CMs) and coach front-line on implementation Pilot and test new practices Refine and scale, monitoring KPIs to validate impact 	
Lower fuel handling expenses	 Outsource fuel handling services to cost- competitive third-party providers 	28 Fuels labor	8%	 Negotiate with 3rd party contractors to manage fuel handling activities¹ Redeploy internal labor to other functions as needed 	

1 Cannot occur within the first 3 years of any event

2 Represents fuel operating expenses 3 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case



1 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case

vendors without multiple notices)

e.g.: **5%** materials and 16 Reducing frequency of use (e.g., cleaning services services) management Revising specifications (e.g., using non-OEM _ vs. OEM parts for equipment with lapsed warranties) Insourcing work, when possible **Negotiate lower commercial rates for materials** and services by: Introducing new providers to increase competition (e.g., staff augmentation labor 10% 16 3rd party during outages) Expanding supplier performance materials and _ management systems and methodologies services Led by Supply (e.g., on-time delivery, measuring time to complete jobs) Leveraging additional flexibility as a nongovernmental entity (e.g., outsource engineering, flexibility to discontinue

2018 addressable spend baseline and description, \$M

3rd party

Savings target¹ Key activities to execute

- Aggregate purchasing system data into a centralized database that enables management to review ending POs for the upcoming weeks
- Establish a weekly meeting to review all pending spend items to determine whether the spend is necessary, or cheaper solutions are available

Generation initiatives (2/2)

Description

Reduce demand for third-party materials and

services by applying stricter purchasing controls

and standardizing material request submissions,

Initiative

Demand

Strategic

sourcing

Chain



- Embed a TCO (total cost of ownership) approach within the procurement organization
- Align category managers with BUs to identify opportunities to create value through sourcing events
- Develop "should-cost" or clean-sheet models to support supplier negotiations
- Develop supplier "scorecards" to measure performance against key KPIs



A T&D Initiatives (1 of 2)



Initiative	Description	2018 addressable spend baseline and description, \$M	Savings target ²	Key activities to execute
Frontline operational excellence	 Increase crew productivity by improving core work processes (e.g., planning and scheduling) and increasing "wrench time", e.g.: All jobs are work ready Morning kickoffs start on-time Daily debriefs and feedback on opportunities 	22 Internal labor, third- party services ¹	5%	 Perform ride-alongs on primary workflows (e.g., pole replacements, breaker maintenance) to develop a fact base Identify opportunities to increase productivity by collaboratively engaging the frontline (i.e., idea generation sessions) and/or leveraging industry best practices Develop action plans to implement new best practices (e.g., pre-kitting jobs) and coach front-line on implementation Pilot and test new practices within one yard
Digitalize frontline operations	 Further optimize processes, building off the improvements from frontline operational excellence by applying a series of digital tools that further increase productivity, improve customer experience and maintain safety, e.g.: Improve planning and scheduling by accounting for site conditions, real-time crew locations Automate clerical tasks (e.g., dig requests, time sheets) Enable digital collection of asset condition data 	e, 2 lnternal labor, third- party services ¹ 	10%	 Refine and scale to remaining yards, monitoring KPIs to validate impact Identify opportunities to digitalize elements of core workflows by applying design thinking and leveraging best practices from across the industry Stand up agile development teams that collaborate with the end users to develop MVPs (minimum viable products) to test with the frontline (e.g., automated scheduling based on job specs, geographic location, and available crews) Pilot with individual crews Refine and scale by expanding across the fleet, monitoring KPIs to validate impact
Demand management	 Reduce demand for third-party materials by applying stricter purchasing controls and standardizing material request submissions: Reducing amount or frequency of use (e.g., address leakage) Revising specifications (e.g., streamlining transformer specifications) 	Materials	10%	 Aggregate purchasing system data into a centralized database that enables management to review POs pending for the upcoming weeks Establish a weekly meting to review all pending spend items to determine whether the spend is necessary or if there are cheaper solutions available

1 Does not include third-party services spend on vegetation management

2 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case

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A T&D Initiatives (2 of 2)



nitiative	Description	2018 addressable spend baseline and description, \$M	Savings target ²	Key activities to execute
Vegetation management	 Improve procurement process, bid packages, and bidding practices; implement performance management (e.g., miles trimmed by crew per day) Optimize long-term cycle planning and work management through machine learning that identifies highest areas of need relative to system priority and risk Improve quality assurance process and in-the-field forester audits 	6 Contracted vegetation management	5%	 Launch strategic sourcing event for vegetation management; expand universe of potential suppliers and review contract structures Implement performance management to track productivity Acquire or build in-house vegetation analytics that uses external data (e.g., imaging data, rainfall, sunshine) to predict vegetation growth Pilot vegetation analytics, managing trim based on predicted growth/risk by area
Strategic sourcing Led by Supply Chain	 Negotiate lower commercial rates for materials and services by: Introducing new providers to increase competition (e.g., staff augmentation labor during outages) Expanding supplier performance management systems and methodologies (e.g., on-time delivery, measuring time to complete jobs) Leveraging additional flexibility as a non- governmental entity (e.g., outsource engineering, flexibility to discontinue vendors without multiple notices) 	 2 3rd party services, materials¹ 2 	5%	 Embed a TCO (total cost of ownership) approach within the procurement organization Align category managers with BUs to identify opportunities to create value through sourcing events Develop "should-cost" or clean-sheet models to support supplier negotiations Develop supplier "scorecards" to measure performance against key KPIs

1 Does not include third-party services spend on vegetation management

2 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case



B Water & Wastewater initiatives (1/2)



JEA.

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Initiative	Description	2018 addressable spend baseline and description, \$M	Savings target ¹	Key activities to execute
Frontline operational excellence	 Increase crew productivity by improving core work processes (e.g., planning and scheduling) and increasing "wrench time", e.g.: All jobs are work ready Morning kickoffs start on-time Daily debriefs and feedback on opportunities) Develop sludge disposal "cost curves" to pursue least-cost options on a week-to-week basis 	Water and wastewater field personnel (incl. pump stations)	15%	 Perform ride-alongs on primary workflows (e.g., maintenance at pump stations) to develop a fact base Identify opportunities to increase productivity by collaboratively engaging the frontline (i.e., idea generation sessions) and/or leveraging industry best practices Develop action plans to implement new best practices (e.g., pre-kitting jobs) and coach front-line on implementation Pilot and test new practices with select crews Refine and scale, monitoring KPIs to validate impact
Digitalize frontline operations (wastewater treatment)	 Further optimize processes, building off the improvements from frontline operational excellence by applying a series of digital tools that further increase productivity, improve customer experience, and maintain safety, e.g.: Leverage equipment sensors to reduce the need for manual inspection 	11 Labor at wastewater treatment sites	10%	 Identify opportunities to digitalize elements of core workflows by applying design thinking and leveraging best practices from across the industry Stand up agile development teams that collaborate with the end users to develop MVPs (minimum viable products) to test with the frontline (e.g., automated scheduling based on iob specs, geographic location, and available crews)
Digitalize frontline operations (water treatment)	 Use machine learning algorithms to drive predictive and condition-based maintenance Improve planning and scheduling by accounting for job type, crew locations, etc. 	5 Labor at water treatment sites	5%	 Pilot with individual crews Refine and scale by expanding across the fleet, monitoring KPIs to validate impact

1 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case

B Water & Wastewater initiatives (2/2)

Initiative	Description	2018 addressable spend baseline and description, \$M	Savings target ¹	Key activities to execute Materials
Reduce auxiliary load	 Reduce pumping costs by optimizing pumping cycles to ensure pump stations do not work against each other (i.e., reduce electricity consumption) 	 Utility charges	5%	 Review pumping histories to identify inefficiencies Develop new rules/logic for managing pump schedules to minimize inefficient schedules
	 Reduce demand for third-party materials by applying stricter purchasing controls and standardizing material request submissions of a 			 Aggregate purchasing system data into a centralized database that enables management to review POs pending for the uncoming weeks
Demand management	 Revising material specifications – OEM vs. non-OEM supplier Purchasing through wholesale channels (i.e., 	Materials	5%	 Establish a weekly meting to review all pending spend items to determine whether the spend is necessary or if there are cheaper solutions available
	 bulk) vs. purchasing at local retailers (e.g., Home Depot) Negotiate lower commercial rates for materials 	13		Embed a TCO (total cost of ownership) approach within the
Strategic sourcing Led by Supply Chain	 and services by: Introducing new providers to increase competition (e.g., staff augmentation labor during outages) Expanding supplier performance managemen systems and methodologies (e.g., on-time delivery, measuring time to complete jobs) Leveraging additional flexibility as a non-governmental entity (e.g., outsource engineering, flexibility to discontinue vendors without multiple notices) 	11 3 rd party services, materials	10%	 Align category managers with BUs to identify opportunities to create value through sourcing events Develop "should-cost" or clean-sheet models to support supplier negotiations Develop supplier "scorecards" to measure performance against key KPIs

1 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case

JEA.

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Internal labor

Contracts

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C Customer experience initiatives (1/2)

xx Internal labor xx Contracts xx Materials

1 Postage 2 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case

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C Customer experience initiatives (2/2)



Initiative	Description	2018 addressable spend I and description, \$M	baseline	Savings target ¹	Key activities to execute
Optimize meter operations	 Reduce need for meter reads through digital smart meters and billing quality control Enhance routing based on crew location and skillsets 	4 1 Ma (lab	eters team or, services)	15%	 As smart meters are deployed, eliminate manual meter reading activities Improve workplanning to optimize deployment of personnel based on skill level relative to task (i.e., match less skilled workers to basic jobs)
Strategic sourcing <i>Led by Supply</i> <i>Chain</i>	 Negotiate lower commercial rates for materials and services by: Introducing new providers to increase competition (e.g., staff augmentation labor during outages) Expanding supplier performance management systems and methodologies (e.g., on-time delivery, measuring time to complete jobs) Leveraging additional flexibility as a non- governmental entity (e.g., outsource engineering, flexibility to discontinue vendors without multiple notices) 	 14 3 rd pu r	arty services, naterials	10%	 Embed a TCO (total cost of ownership) approach within the procurement organization Align category managers with BUs to identify opportunities to create value through sourcing events Develop "should-cost" or clean-sheet models to support supplier negotiations Develop supplier "scorecards" to measure performance against key KPIs

1 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case

D G&A initiatives (1/2)



Initiative	Description	2018 addressable spend baseli and description, \$M	ne Savings target ²	Key activities to execute
Maximize organizational effectiveness	 Remove organizational complexity (i.e., optimize spans and layers) and overlapping roles to ensure JEA employees are staffed and tasked to support the appropriate strategic priorities Redesign, standardize and harmonize the way work is delivered and managed by incorporating lean best practices and performance management into daily operations 	26 Compliant Environmen Finance, H	ce, htal, HR	 Align on design principles to measure effectiveness of different organizational structures Review existing org structures for role overlap / redundancy and operational pain points that limit productivity, effectiveness Architect multiple organizational structures to address these issues
Deploy automation	 Automate low-value activity through smart workflows and robotic process automation (RPA) to handle tasks such as data entry and reconciliation Create digital journeys (e.g., onboarding/offboarding) that improve employee experience while reducing costs 	26 Compliant Environmen Finance, H	ce, htal, 10% HR	 Conduct diagnostic to identify highest-value automation use cases (i.e., time spent on automatable tasks) Redesign processes end-to-end, leveraging the appropriate automation solutions (e.g., RPA, machine learning, etc.) Embed an automation team to build and scale solutions, focusing on MVPs and iterating quickly Build a sustainable automation program that generates demand for solutions from the business
TS service delivery transformation	 Strategically address delivery options to: Become more cost competitive; Free resources from current state operations to focus on strategic priorities and establish workforce capacity, both in scale and skills; and Improve quality through engagement of select partners 	18 Technor internal lal contracted	logy bor and 34% Habor ¹	 Conduct holistic review of technology services required by the business and existing capabilities Engage external partners for basic, cost-competitive services Re-allocate internal resources to core competencies and/or other technology needs throughout the business

1 Excludes internal labor from the application development and administrative teams

2 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case

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D G&A initiatives (2/2)

Initiative	Description	2018 addressable spend baseline and description, \$M	Savings target ¹	Key activities to execute Materials
Advanced supply chain	 Redesign warehouse layout to reduce unnecessary walking, unnecessary replenishment, and double-handling of items Automate inventory level management through integration to the work management system to optimize supply levels and dispatch to work sites 	- Supply chain labor	15%	 Perform site observations to identify waste in fulfillment activities Identify optimal minimum inventory requirements and implement auto re-order logic to ensure inventories are within the appropriate levels
	 Reduce amount or frequency of use for materials and services (e.g., reduce fleet mileage, eliminate low-value tasks) 			 Aggregate purchasing system data into a centralized database that enables management to review POs pending for the upcoming weeks
Demand management	 Optimizing scope of work to maintain focus on high-value requirements In-source work to JEA employees 	20 3 rd party services (excluding TS, A&G other) and materials	5%	 Establish a weekly meting to review all pending spend items to determine whether the spend is necessary or if there are cheaper solutions available
Strategic sourcing <i>Led by Supply</i> <i>Chain</i>	 Negotiate lower commercial rates for materials an services by: Introducing new providers to increase competition (e.g., staff augmentation labor during outages) Expanding supplier performance management systems and methodologies (e.g., on-time delivery, measuring time to complete jobs) Leveraging additional flexibility as a non-governmental entity (e.g., outsource engineering, flexibility to discontinue vendors without multiple notices) 	and 3 rd party services (excluding TS, A&G other) and materials	15%	 Embed a TCO (total cost of ownership) approach within the procurement organization Align category managers with BUs to identify opportunities to create value through sourcing events Develop "should-cost" or clean-sheet models to support supplier negotiations Develop supplier "scorecards" to measure performance against key KPIs

1 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case

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Internal labor

Contracts

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Management Initiatives Operational Improvements



Execution of this strategy involves three types of initiatives – operational improvements, strategic capital investments, and growth opportunities



Enablers

Regulatory and policy strategy

Develop regulations, policies, and legislation to authorize or continue to enable JEA to execute

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A Generation initiatives (1/2)



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Initiative	Description	2018 address baseline and	able spend description, \$M	Savings target ³	Key activities to execute
Improve generation efficiency to reduce consumption of fuels, other consumables	 Institute performance tracking of heat rate to reduce variability and controllable losses Improve technical performance (e.g., clean HRSG, install better air inlet filter) Reduce limestone usage by installing new crush and burn system 		Fuels and other consumables	4%	 Implement heat rate monitoring tools (e.g., etaPRO) and include heat rate as a day-to-day performance KPI Identify controllable parameters (e.g., boiler temps, backpressure) deviating from design and problem-solve operational solutions (e.g., adjusting tilts) or technical solutions (e.g., filter replacements) to address Coach plant operators on identified interventions to reduce heat rate Review utilization of consumables (e.g., limestone) to ensure excess materials aren't used
Frontline operational excellence	 Increase crew productivity by improving core work processes (e.g., planning and scheduling) and increasing "wrench time" for core workflows, e.g.: Break-ins (e.g., bearing failures) PMs (e.g., oil replacement) Optimize resourcing and schedules of craft across shifts to match volume of work with resources 	43 16	Internal labor, 3 rd party services	8%	 Perform site observations and ride-alongs of workflows (e.g., valve replacements) to develop a fact base Identify opportunities to increase productivity by collaboratively engaging the frontline (i.e., idea generation sessions) and/or leveraging industry best practices Develop action plans to implement new best practices (e.g., pre-kitting CMs) and coach front-line on implementation Pilot and test new practices Refine and scale, monitoring KPIs to validate impact
Lower fuel handling expenses	 Outsource fuel handling services to cost- competitive third-party providers 		Fuels labor	8%	 Negotiate with 3rd party contractors to manage fuel handling activities¹ Redeploy internal labor to other functions as needed

1 Cannot occur within the first 3 years of any event

2 Represents fuel operating expenses 3 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case

A Generation initiatives (2/2)



Initiative	Description	2018 addressable spend baseline and description, \$M	Savings target ¹	Key activities to execute
Demand management	 Reduce demand for third-party materials and services by applying stricter purchasing controls and standardizing material request submissions, e.g.: Reducing frequency of use (e.g., cleaning services) Revising specifications (e.g., using non-OEM vs. OEM parts for equipment with lapsed warranties) Insourcing work, when possible 	 3 rd party materials and services	5%	 Aggregate purchasing system data into a centralized database that enables management to review ending POs for the upcoming weeks Establish a weekly meeting to review all pending spend items to determine whether the spend is necessary, or cheaper solutions are available
Strategic sourcing <i>Led by Supply</i> <i>Chain</i>	 Negotiate lower commercial rates for materials and services by: Introducing new providers to increase competition (e.g., staff augmentation labor during outages) Expanding supplier performance management systems and methodologies (e.g., on-time delivery, measuring time to complete jobs) Leveraging additional flexibility as a non-governmental entity (e.g., outsource engineering, flexibility to discontinue vendors without multiple notices) 	 16 3rd party materials and services 13 	10%	 Embed a TCO (total cost of ownership) approach within the procurement organization Align category managers with BUs to identify opportunities to create value through sourcing events Develop "should-cost" or clean-sheet models to support supplier negotiations Develop supplier "scorecards" to measure performance against key KPIs

1 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case



A T&D Initiatives (1 of 2)



Initiative	Description	2018 addressable spend baseline and description, \$M	Savings target ²	Key activities to execute
 Increase crew productivity by improving core work processes (e.g., planning and scheduling) and increasing "wrench time", e.g.: All jobs are work ready Morning kickoffs start on-time Daily debriefs and feedback on opportunities 	2 Internal labor, third- party services ¹	5%	 Perform ride-alongs on primary workflows (e.g., pole replacements, breaker maintenance) to develop a fact base Identify opportunities to increase productivity by collaboratively engaging the frontline (i.e., idea generation sessions) and/or leveraging industry best practices Develop action plans to implement new best practices (e.g., pre-kitting jobs) and coach front-line on implementation Pilot and test new practices within one yard Refine and scale to remaining yards, monitoring KPIs to validate impact 	
Digitalize frontline operations	 Further optimize processes, building off the improvements from frontline operational excellence by applying a series of digital tools that further increase productivity, improve customer experience and maintain safety, e.g.: Improve planning and scheduling by accounting for site conditions, real-time crew locations Automate clerical tasks (e.g., dig requests, time sheets) Enable digital collection of asset condition data 	e, 22 Internal labor, third- party services ¹	10%	 Identify opportunities to digitalize elements of core workflows by applying design thinking and leveraging best practices from across the industry Stand up agile development teams that collaborate with the end users to develop MVPs (minimum viable products) to test with the frontline (e.g., automated scheduling based on job specs, geographic location, and available crews) Pilot with individual crews Refine and scale by expanding across the fleet, monitoring KPIs to validate impact
Demand management	 Reduce demand for third-party materials by applying stricter purchasing controls and standardizing material request submissions: Reducing amount or frequency of use (e.g., address leakage) Revising specifications (e.g., streamlining transformer specifications) 	Materials	10%	 Aggregate purchasing system data into a centralized database that enables management to review POs pending for the upcoming weeks Establish a weekly meting to review all pending spend items to determine whether the spend is necessary or if there are cheaper solutions available

SOURCE: JEA financial statements, 2018 budget, and senior team initiative development

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JEA

A T&D Initiatives (2 of 2)



Initiative	Description	2018 addressable spend baseline and description, \$M	Savings target ²	Key activities to execute
Vegetation management	 Improve procurement process, bid packages, and bidding practices; implement performance management (e.g., miles trimmed by crew per day) Optimize long-term cycle planning and work management through machine learning that identifies highest areas of need relative to system priority and risk Improve quality assurance process and in-the-field forester audits 	6 Contracted vegetation management	5%	 Launch strategic sourcing event for vegetation management; expand universe of potential suppliers and review contract structures Implement performance management to track productivity Acquire or build in-house vegetation analytics that uses external data (e.g., imaging data, rainfall, sunshine) to predict vegetation growth Pilot vegetation analytics, managing trim based on predicted growth/risk by area
Strategic sourcing <i>Led by Supply</i> <i>Chain</i>	 Negotiate lower commercial rates for materials and services by: Introducing new providers to increase competition (e.g., staff augmentation labor during outages) Expanding supplier performance management systems and methodologies (e.g., on-time delivery, measuring time to complete jobs) Leveraging additional flexibility as a non-governmental entity (e.g., outsource engineering, flexibility to discontinue vendors without multiple notices) 	 2 3rd party services, materials¹ 2 	5%	 Embed a TCO (total cost of ownership) approach within the procurement organization Align category managers with BUs to identify opportunities to create value through sourcing events Develop "should-cost" or clean-sheet models to support supplier negotiations Develop supplier "scorecards" to measure performance against key KPIs

1 Does not include third-party services spend on vegetation management

2 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case

B Water & Wastewater initiatives (1/2)

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ХХ	Contracts
xx	Materials

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Initiative	Description	2018 addressable spend baseline and description, \$M	Savings target ¹	Key activities to execute
Frontline operational excellence	 Increase crew productivity by improving core work processes (e.g., planning and scheduling) and increasing "wrench time", e.g.: All jobs are work ready Morning kickoffs start on-time Daily debriefs and feedback on opportunities) Develop sludge disposal "cost curves" to pursue least-cost options on a week-to-week basis 	Water and wastewater field personnel (incl. pump stations)	15%	 Perform ride-alongs on primary workflows (e.g., maintenance at pump stations) to develop a fact base Identify opportunities to increase productivity by collaboratively engaging the frontline (i.e., idea generation sessions) and/or leveraging industry best practices Develop action plans to implement new best practices (e.g., pre-kitting jobs) and coach front-line on implementation Pilot and test new practices with select crews Refine and scale, monitoring KPIs to validate impact
Digitalize frontline operations (wastewater treatment)	 Further optimize processes, building off the improvements from frontline operational excellence by applying a series of digital tools that further increase productivity, improve customer experience, and maintain safety, e.g.: Leverage equipment sensors to reduce the need for manual inspection 	11 Labor at wastewater treatment sites	10%	 Identify opportunities to digitalize elements of core workflows by applying design thinking and leveraging best practices from across the industry Stand up agile development teams that collaborate with the end users to develop MVPs (minimum viable products) to test with the frontline (e.g., automated scheduling based on job specs, geographic location, and available crews) Pilot with individual crews Refine and scale by expanding across the fleet, monitoring KPIs to validate impact
Digitalize frontline operations (water treatment)	 Use machine learning algorithms to drive predictive and condition-based maintenance Improve planning and scheduling by accounting for job type, crew locations, etc. 	5 Labor at water treatment sites	5%	

1 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case

B Water & Wastewater initiatives (2/2)

Initiative	Description	2018 addressable spend baseline and description, \$M	Savings target ¹	Key activities to execute Materials
Reduce auxiliary load	 Reduce pumping costs by optimizing pumping cycles to ensure pump stations do not work against each other (i.e., reduce electricity consumption) 	 Utility charges	5%	 Review pumping histories to identify inefficiencies Develop new rules/logic for managing pump schedules to minimize inefficient schedules
Demand management	 Reduce demand for third-party materials by applying stricter purchasing controls and standardizing material request submissions, e.g.: Revising material specifications – OEM vs. non-OEM supplier Purchasing through wholesale channels (i.e., bulk) vs. purchasing at local retailers (e.g., Home Depot) 	Materials	5%	 Aggregate purchasing system data into a centralized database that enables management to review POs pending for the upcoming weeks Establish a weekly meting to review all pending spend items to determine whether the spend is necessary or if there are cheaper solutions available
Strategic sourcing <i>Led by Supply</i> <i>Chain</i>	 Negotiate lower commercial rates for materials and services by: Introducing new providers to increase competition (e.g., staff augmentation labor during outages) Expanding supplier performance management systems and methodologies (e.g., on-time delivery, measuring time to complete jobs) Leveraging additional flexibility as a non- governmental entity (e.g., outsource engineering, flexibility to discontinue vendors without multiple notices) 	t 11 3 rd party services, materials	10%	 Embed a TCO (total cost of ownership) approach within the procurement organization Align category managers with BUs to identify opportunities to create value through sourcing events Develop "should-cost" or clean-sheet models to support supplier negotiations Develop supplier "scorecards" to measure performance against key KPIs

1 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case



Internal labor

Contracts

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Customer experience initiatives (1/2)

xx	Internal labor
xx	Contracts
xx	Materials

Initiative	Description	2018 addressable spend baseline and description, \$M	Savings target ²	Key activities to execute
Frontline operational excellence	 Increase frontline (e.g., call center agents, meter team) productivity by: Optimizing capacity and skill-based routing, cross-skilling of agents, and improved scheduling that matches call volumes Conducting people analytics, leveraging data to unlock further improvements to availability average handle time, and first call resolution through directed coaching and real-time speaking guidance 	28 All labor and 3 rd party services	5%	 Observe agent call performance across key types of calls (e.g., outage, billing issues, etc.) to develop a fact base Identify opportunities to improve effectiveness (i.e., faster handle times, better first-call-resolution) through coaching, better call scripts, etc. Develop action plans to implement new best practices and coach front-line on implementation Identify opportunities to increase productivity by collaboratively engaging the frontline (i.e., idea generation sessions) and/or leveraging industry best practices
Digitize customer journeys	 Shift customers to digital self-service by creating simple, intuitive web and app-based solutions for key journeys, e.g.: Bill payment Sign-up-and-move Experience an outage 	10 3 Customer service center labor, services, and postage	20%	 Conduct qualitative and quantitative analysis (e.g., customer interviews and surveys on pain points) to generate customer insights in parallel with methodical expertise Perform zero-based design for each journey, rapid prototyping, and co-creation of solutions in an open collaboration space with cross-disciplinary teams Create minimum viable product (MVPs), with the basic necessities, followed by continuous refinement and scaling
Deploy automation	 Contain IVR calls by analyzing reasons for leakage and adjusting IVR flow and logic Utilize Robotic Process Automation to eliminate repetitive tasks (e.g., complex, manual billing) and natural language processing to standardize data extraction (e.g., from recorded IVR calls) 	5 1 Revenue team (labor, services)	10%	 Conduct diagnostic to identify highest-value automation use cases (i.e., time spent on automatable tasks) Redesign processes end-to-end, leveraging the appropriate automation solutions (e.g., RPA, machine learning, etc.) Embed an automation team to build and scale solutions, focusing on MVPs and iterating quickly Build a sustainable automation program that generates demand for solutions from the business

2 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case

JEA

SOURCE: JEA financial statements, 2018 budget, and senior team initiative development

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C Customer experience initiatives (2/2)



Initiative	Description	2018 addressable sper and description, \$M	nd baseline	Savings target ¹	Key activities to execute
Optimize meter operations	 Reduce need for meter reads through digital smart meters and billing quality control Enhance routing based on crew location and skillsets 	4	Meters team labor, services)	15%	 As smart meters are deployed, eliminate manual meter reading activities Improve workplanning to optimize deployment of personnel based on skill level relative to task (i.e., match less skilled workers to basic jobs)
Strategic sourcing <i>Led by Supply</i> <i>Chain</i>	 Negotiate lower commercial rates for materials and services by: Introducing new providers to increase competition (e.g., staff augmentation labor during outages) Expanding supplier performance management systems and methodologies (e.g., on-time delivery, measuring time to complete jobs) Leveraging additional flexibility as a non- governmental entity (e.g., outsource engineering, flexibility to discontinue vendors without multiple notices) 	 14 3 ^r 1	^d party services, materials	10%	 Embed a TCO (total cost of ownership) approach within the procurement organization Align category managers with BUs to identify opportunities to create value through sourcing events Develop "should-cost" or clean-sheet models to support supplier negotiations Develop supplier "scorecards" to measure performance against key KPIs

1 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case

D G&A initiatives (1/2)



Initiative	Description	2018 addressable spend baseline and description, \$M	Savings target ²	Key activities to execute
Maximize organizational effectiveness	 Remove organizational complexity (i.e., optimize spans and layers) and overlapping roles to ensure JEA employees are staffed and tasked to support the appropriate strategic priorities Redesign, standardize and harmonize the way work is delivered and managed by incorporating lean best practices and performance management into daily operations 	26 Compliance, Environmental, Finance, HR	5%	 Align on design principles to measure effectiveness of different organizational structures Review existing org structures for role overlap / redundancy and operational pain points that limit productivity, effectiveness Architect multiple organizational structures to address these issues
Deploy automation	 Automate low-value activity through smart workflows and robotic process automation (RPA) to handle tasks such as data entry and reconciliation Create digital journeys (e.g., onboarding/offboarding) that improve employee experience while reducing costs 	26 Compliance, Environmental, Finance, HR	10%	 Conduct diagnostic to identify highest-value automation use cases (i.e., time spent on automatable tasks) Redesign processes end-to-end, leveraging the appropriate automation solutions (e.g., RPA, machine learning, etc.) Embed an automation team to build and scale solutions, focusing on MVPs and iterating quickly Build a sustainable automation program that generates demand for solutions from the business
TS service delivery transformation	 Strategically address delivery options to: Become more cost competitive; Free resources from current state operations to focus on strategic priorities and establish workforce capacity, both in scale and skills; and Improve quality through engagement of select partners 	18 Technology internal labor and contracted labor ¹	34%	 Conduct holistic review of technology services required by the business and existing capabilities Engage external partners for basic, cost-competitive services Re-allocate internal resources to core competencies and/or other technology needs throughout the business

¹ Excludes internal labor from the application development and administrative teams

2 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case

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JEA.

D G&A initiatives (2/2)

Initiative	Description	2018 addressable spend baseline and description, \$M	Savings target ¹	Key activities to execute Materials
Advanced supply chain	 Redesign warehouse layout to reduce unnecessary walking, unnecessary replenishment, and double-handling of items Automate inventory level management through integration to the work management system to optimize supply levels and dispatch to work sites 	Supply chain labor	15%	 Perform site observations to identify waste in fulfillment activities Identify optimal minimum inventory requirements and implement auto re-order logic to ensure inventories are within the appropriate levels
Demand management	 Reduce amount or frequency of use for materials and services (e.g., reduce fleet mileage, eliminate low-value tasks) Optimizing scope of work to maintain focus on high-value requirements In-source work to JEA employees 	 20 ^{3rd} party services (excluding TS, A&G other) and materials	5%	 Aggregate purchasing system data into a centralized database that enables management to review POs pending for the upcoming weeks Establish a weekly meting to review all pending spend items to determine whether the spend is necessary or if there are cheaper solutions available
Strategic sourcing <i>Led by Supply</i> <i>Chain</i>	 Negotiate lower commercial rates for materials ar services by: Introducing new providers to increase competition (e.g., staff augmentation labor during outages) Expanding supplier performance management systems and methodologies (e.g., on-time delivery, measuring time to complete jobs) Leveraging additional flexibility as a non-governmental entity (e.g., outsource engineering, flexibility to discontinue vendors without multiple notices) 	nd 3 rd party services (excluding TS, A&G other) and materials	15%	 Embed a TCO (total cost of ownership) approach within the procurement organization Align category managers with BUs to identify opportunities to create value through sourcing events Develop "should-cost" or clean-sheet models to support supplier negotiations Develop supplier "scorecards" to measure performance against key KPIs

1 Savings are relative to the Status Quo projections, with further adjustments to slow wage and benefit growth. Savings are incorporated into the transaction model's base case

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xx Internal labor xx Contracts