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JEA Tariff Filing to the Florida PSC

E-Filing Submittal Date: February 12, 2016

Tariff Effective: Various Dates

Public Hearing: March 15, 2016

Contents Cover Page

Cover Letter

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Supporting Documentation

21 West Church Street Jacksonville, Florida 32202-3139

February 12, 2016



ELECTRIC

WATER

SEWER

Ms. Patricia Daniel Bureau Chief, Economic Impact & Rate Design Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, Florida 32399-0850

Dear Ms. Daniel:

Included in this filing are JEA tariffs with various effective dates in calendar year 2016. These tariff changes are expected to be approved by JEA's Board at a public hearing scheduled March 15, 2016.

Tariff revisions include:

- 1. Inclusion of DG-2 and DG-3 Distributed Generation Application subject to the \$1,000 application fee.
- 2. Modification of existing and addition of new street lighting rates
- 3. Introduction of JEA SolarSmart Rider

Following this cover letter are the revised and conformed copies of all tariff sheets. Also included is the supporting documentation for the application fee, streetlight and JEA SolarSmart rate changes.

If you have questions or need additional information please call me at (904) 665-7223.

Sincerely

Ryan Wannemacher, Director, Financial Planning, Budgets, and Rates

JEA

REVISED TARIFF SHEETS

Sheet No. 1.0	Sheet No. 3.2	Sheet No. 4.1	Sheet No. 5.0
Sheet No. 5.1	Sheet No. 13.0	Sheet No. 13.1	Sheet No. 13.2
Sheet No. 15.0	Sheet No. 17.2		

Thirty-<u>Third</u> Revised Sheet No. 1.0 Canceling Thirty-<u>Second</u> Revised Sheet No. 1.0

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ELECTRIC TARIFF DOCUMENTATION

VOLUME 1

JEA 21 W. Church St. Jacksonville, Florida 32202-3139 (904) 665-6000

DESCRIPTION OF TERRITORY SERVED

JEA furnishes retail electric service to the major portion of Duval County, including the City of Atlantic Beach and the Town of Baldwin. In addition, JEA provides retail electric service to the Town of Orange Park, to parts of St. Johns and Clay Counties and wholesale electric service to the City of Fernandina Beach.

Submitted to the Public Service Commission

Approved by the JEA Board March 15, 2016

Deleted: January 19, 2016

RYAN WANNEMACHER, DIRECTOR FINANCIAL PLANNING, BUDGETS, AND RATES Effective May 1, 2016

Deleted: February 1, 2016

Sixteenth Revised Sheet No. 3.2 Canceling Fifteenth, Revised Sheet No. 3.2 Deleted: Fifteenth
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(Continued from Sheet No. 3.1)

- 12. JEA will require a contribution-in-aid-of-construction by a developer for underground utilities in an amount not to exceed the difference in costs between an underground system and an equivalent overhead system. JEA's Policy and Procedure for underground distribution should be referenced for further information.
- 13. A \$5.00 service charge will be added to electric bills when a field notification is provided to a customer to pay the bill in lieu of disconnecting the service. The notification will count as an infraction toward delinquent deposit review.
- 14. A minimum \$75.00 service charge will be assessed for all temporary services. Temporary electric service for residential construction will be charged \$150.00. This single fee will cover all costs and consumption; consumption will not be metered by JEA. This fee is payable to JEA at the time the permit for construction is obtained. Temporary service will not be provided unless the customer has obtained the necessary building/construction permit.
- 15. A special service charge may be added to energy, water or sewer bills when a customer requests a related water, sewer or energy service which is not normally provided, including the repayment over time to JEA of the onetime capital costs of connecting customers to the water and/or sewer system. These special services will be priced based on the cost of the service. JEA's provision of special services requires execution of a contract between JEA and the Customer. Contract approval authorizations shall be as established in applicable JEA Management Directives, Policies or Procedures.
- 16. JEA will charge a customer \$25.00 for each return trip whenever JEA must make a return trip to a customer's service address to perform maintenance and/or activate service because the work requested by the customer was not able to be completed at the first scheduled visit.
- 17. Account Fraud charge shall be \$50.00
- Application fee shall be \$1,000.00 for Tier 3 net metering, DG-2 and DG-3 Distributed Generation applications.

RYAN WANNEMACHER, DIRECTOR FINANCIAL PLANNING, BUDGETS, AND RATES Effective May 1, 2016

Deleted: October 1, 2015

Nineteenth Revised Sheet No. 4.1 ____ Deleted: Eighteenth Canceling Eighteenth, Revised Sheet No. 4.1 _____ Deleted: Seventeenth

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(Continued from Sheet No. 4.0)

Rate Schedule Designations		Sheet Number
SL	Street Lighting	13.0
<u>JSSR</u>	JEA SolarSmart Rider	<u>15.00</u>
MA	Multiple Account Load Factor Improvement Rider	16.00
GSLDR-5	General Service Large Demand Rider (Closed to new customers)	16.10
GSXLD	General Service Extra Large Demand Rider	16.20
LDI	Load Density Improvement Rider (Closed to new customers)	16.30
IS	Interruptible Service Rider	16.40
CS	Curtailable Service Rider	16.50
EDP	Economic Development Rider	17.00
OS	Unmetered Miscellaneous Service for Traffic Signals and Other Uses	18.0
	Disclaimer	19.0

| RYAN WANNEMACHER, DIRECTOR FINANCIAL PLANNING, BUDGETS, AND RATES

Effective October 1, 2016

Deleted: October 1, 2015

Forty-Fifth Revised Sheet No. 5.0 Canceling Forty-Forth Revised Sheet No. 5.0

FUEL AND PURCHASED POWER COST RECOVERY CHARGE POLICY - FPPC

The Retail Rates section of this Fuel and Purchased Power Cost Recovery Charge Policy (FPPC or the Fuel Charge) shall be applicable to all JEA Retail Rate Schedules. The said energy charge stated in each rate schedule for each kilowatt hour billed in accordance with JEA's normal billing cycle shall be increased by the fuel charge per kilowatt hour as indicated below.

The Sale For Resale Rates section of this Fuel and Purchased Power Cost Recovery Charge Policy shall be applicable to all JEA Sale for Resale Rate Schedules. The said energy charge stated in each such rate schedule for each kilowatt hour billed in accordance with JEA's normal billing cycle shall be increased by the fuel charge per kilowatt hour as indicated below for service taken at 26.4 kV and above.

Variable Fuel Rate Policy

The Variable Fuel Rate charge for each retail rate schedule shall be rounded to the nearest 0.001 cents per kilowatt hour of sales to reflect recovery of costs of fuels and purchased power (excluding capacity payments) for each kilowatt hour delivered. The Fuel Charge is normally calculated annually, for the billing period October through September and is adjusted to incorporate changes in costs from one period to the next, using a method approved by the Board. The Fuel Charge may be adjusted or credited during the billing period if the costs for fuel and purchased power are projected to deviate more than +/-10% of the original forecast. Any intra-year adjustment or credit must be approved by the Board. The current Variable Fuel Rate is 3.675 cents per kWh.

A Fuel Stabilization Fund (Fuel Reserve) charge shall apply to all kilowatt hours delivered under all retail rate schedules. This charge is used to fund the Fuel Reserve for managing short term fluctuations in fuel and purchased power costs, where the Fuel Stabilization fund target is 15% of annual fuel and purchased power costs. The current Fuel Stabilization charge is 0.000 cents per kWh. A Fuel Recovery charge shall apply to all kilowatt hours delivered under all retail rate schedules. This charge is used to repay funds used from other electric system sources to pay fuel expenses. The current Fuel Recovery charge is 0.000 cents per kWh.

The total fuel rate charge for each rate schedule shall be the sum of the Variable Fuel Rate plus the Fuel Stabilization charge plus the Fuel Recovery charge.

FUEL CHARGE PER kWh

RETAIL RATES	LEVELIZED	OFF PEAK	ON PEAK
Residential	3.675 cents per kWh	3.563 cents per kWh	3.920 cents per kWh
General Service	3.675 cents per kWh	3.566 cents per kWh	3.923 cents per kWh
General Service Demand	3.675 cents per kWh	3.572 cents per kWh	3.930 cents per kWh
General Service Lrg Demand	3.675 cents per kWh	3.575 cents per kWh	3.932 cents per kWh
Rate Schedules SL & OL	3.675 cents per kWh		
Riders GSXLD, IS & CS	3.675 cents per kWh		
JEA SolarSmart	7.500 cents per kWh		

SALE FOR RESALE RATES Municipal Rates

<u>LEVELIZED</u> 3.675 cents per kWh

RYAN WANNEMACHER, DIRECTOR FINANCIAL PLANNING, BUDGETS, AND RATES Effective May 1, 2016

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Thirty-<u>Third Revised Sheet No. 5.1</u> Canceling Thirty-<u>Second</u> Revised Sheet No. 5.1

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EXCESS REACTIVE DEMAND (KVAR) POLICY

Effective October 1, 2006:

This policy applies to all accounts receiving service under GSD, GSDT, GSLD, GSLDT, GSXLD, IS, CS, and the Multiple Account Rider as applied to any of these rates.

The customer's utilization equipment shall not result in a target power factor (TPF) at the point of delivery of less than ninety percent (90%) lagging at the time of maximum demand. Should this TPF be less than ninety percent (90%) lagging during any month, JEA may adjust the readings taken to determine the Total Demand.

If TPF is less than ninety percent (90%) lagging then the Billing Demand (BD) is calculated using the following formula:

BD = Maximum measured 15-minute demand (kW) X (TPF / PF)

PF = power factor calculated per the following formula

PF = COS(ATAN(kVar/kW))

kVar in the above formula is the kVar measured coincident with the maximum 15-minute kW demand used in the formula. For GSDT and GSLDT the off-peak demand will be used for determining Excess Reactive Demand.

ENVIRONMENTAL CHARGE

Effective October 1, 2007

This Environmental Charge applies to all rate classes. The said energy charge stated in each rate schedule for each kilowatt hour billed in accordance with JEA's normal billing cycle shall be increased by the Environmental Charge per kilowatt hour as indicated below.

Rate for all rate classes = \$0.00062 per kWh

JEA SolarSmart kWh as defined on Sheet No. 15.00 are exempt from Environmental Charge.

NET METERING

Effective October 1, 2009

Net metering is authorized for residential and commercial customers in accordance with JEA's Net Metering Policy.

| RYAN WANNEMACHER, DIRECTOR FINANCIAL PLANNING, BUDGETS, AND RATES Effective October 1, 2016

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JEA

SL

Twenty-Sixth Revised Sheet No. 13.0 Canceling Twenty-Fifth, Revised Sheet No. 13.0

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Revenue Codes See Rate Code RATE SCHEDULE SL STREET LIGHTING

AvailableIn all territory served by the retail distribution system of JEA.ApplicableTo any Public Agency (State, County or Municipal governments) and to
Owner's Associations for automatically-controlled lighting of public
thoroughfares and to JEA's private residential customers who are owners of the

property in question for automatically-controlled area lighting.

Character of Service

Dusk-to-dawn automatically-controlled lighting owned, operated and maintained by JEA, and governed by JEA's Management Directive for Street Lighting, MD909.

Schedule of Rates

	Rate <u>Code</u>	Service <u>Type</u>	Wattage & <u>Type</u>	<u>Fixture</u> <u>Types</u>	Monthly <u>kWh</u>	Monthly Non-Fuel Charge <u>\$/Fixture*</u>		
	SLHPS1	Standard	70W HPS	CH, PT	29	\$6.36		
	SLHPS2	Standard	200W HPS	CH, FL	88	\$7.43		
	SLHPS3	Standard	250W HPS	СН	108	\$7.58		
	SLHPS4	Standard	400W HPS	CH, FL	169	\$8.42		
	SLMHS1	Standard	100W MH	DA	47	\$10.61		
	SLMHS2	Standard	150W MH	PT	67	\$7.57		
	SLMHS3	Standard	175W MH	PT	76	\$7.65		
	SLMHS4	Standard	320W MH	CH, FL	130	\$8.10		
l	SLMHS5	Standard	<u>150W</u> MH	DA	<u>67</u>	\$ <u>13.36</u>		
	SLMHS6	Standard	400W MH	CH, FL	164	\$8.42	X.	2
l	SLMHS7	<u>Standard</u>	<u>175W MH</u>	DA	<u>76</u> 67	<u>\$13.45</u>		1
	SLMHE1	Historic Energy & O&M	150W MH	DA	67	\$1.92		
	SLMHE2	Historic Energy & O&M	175W MH	DA	76	\$2.01		
l	SLMHE3	Energy & O&M	320W MH	CH, FL <u>, SB</u>	130	\$2.51		
l	SLMHE4	Energy & O&M	400W MH	CH, FL <u>, SB</u>	164	\$2.82		
	SLLED1	Standard	40W LED	CH	15	\$6.32		
	SLLED2	Standard	40W LED	PT	16	\$7.07		1
	SLLED3	Standard	115W LED	CH	41	\$7.20	1	9
l	SLLED4	Standard	162W LED	SB	59	\$1 <u>1.02</u>		,
ļ	SLLED5	<u>Standard</u>	<u>275W LED</u>	<u>CH</u>	<u>99</u>	<u>\$8.90</u>	•	ï
l	<u>SLLED6</u>	<u>Standard</u>	72W LED	<u>PT</u>	26	<u>\$7.48</u>	/	
l	SLLED7	<u>Standard</u>	<u>100W</u> LED	<u>DA</u>	<u>36</u>	\$ <u>14.96</u>		
l								1

HPS = High Pressure Sodium LED = Light Emitting Diode MH = Metal Halide

CH = Cobra Head DA = Decorative Acorn FL = Floodlight PT = Post Top SB = Shoebox

*Monthly Fixture charge is valid for bills of 30 days only. _The charge will vary depending on the actual number of days billed

(Continued to Sheet No. 13.1)

| RYAN WANNEMACHER, DIRECTOR FINANCIAL PLANNING, BUDGETS, AND RATES

Effective June 1, 2016

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Light Emitting Diode MH = Metal Halide ¶
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CH = Cobra Head DA = Decorative Acorn FL =
Floodlight $PT = Post Top SB = Shoebox¶$
1
Energy Only (Rate Code ENERGY97) The monthly
charge shall be computed as follows:
1
. Total Wattage (including Ballast) x 360 Hours
x \$0.03325
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JEA

Eighteenth Revised Sheet No. 13.1 Canceling Seventeenth Revised Sheet No. 13.1

(Continued from Sheet No. 13.0)

Energy Only (Rate Code ENERGY97) The monthly charge shall be computed as follows:

Total Wattage (including Ballast) x 360 Hours x \$0.03325

Types of Service

The types of service are defined as follows:

- (a) STANDARD SERVICE: (Applicable Rate Codes SLHPS1-4, SLMHS1-7, SLLED1-7). In addition to Energy and O&M service, as described below, this service also includes an ownership cost for the initial installation of the fixture assembly including bracket, accessories, and labor. The applicable rates are for both overhead and underground fed lighting systems. Underground systems and fixture types not listed above require a contribution-in-aid-of construction to cover the differential cost between overhead versus underground systems and standard versus non-standard fixture types.
- (b) HISTORIC (PED LIGHT) ENERGY & O&M SERVICE: (Applicable Rate Codes SLMHE1-2). This service shall apply to those Historic Pedestrian Lights that are usually installed within predefined "whitelight areas" (see Rules & Regulations, Downtown Service Area Boundary Maps). JEA is responsible for maintenance of these lights which include replacement of failed electrical components, bulbs, glassware, and the cleaning of glassware at such intervals as necessary to keep the system presentable and efficient. JEA is not responsible for the installation/removal/maintenance of the street banners and associated banner rod equipment. The capital cost is the responsibility of the City or the using Agency.
- (c) ENERGY AND O&M SERVICE:

(Continued to Sheet No. 13.2)

(Applicable Rate Codes SLMHE 3-4). This service includes dusk-todawn powering, maintenance and replacement of the standard, replacement of failed electrical components, bulbs, glassware, and the cleaning of glassware at such intervals as necessary to keep the system presentable and efficient. The capital cost is the responsibility of the City or the using Agency. This service is not available for new installations after the effective date of this policy.

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	HPS = High Pressure Sodium LED = Light Emitting Diode MH = Metal Halide¶
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RYAN WANNEMACHER, DIRECTOR FINANCIAL PLANNING, BUDGETS, AND RATES Effective June 1, 2016

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Moved down [1]: (d). ENERGY ONLY SERVICE: (Applicable Rate Code ENERGY97). This service shall arrangements have been made with JEA and applies to those decorative standards which are supplied and installed by others in the Downtown area. Maintenance and replacement of the standard shall be on a contractual or cost plus basis.¶ Seventeenth Revised Sheet No. 13.2 Canceling Sixteenth Revised Sheet No. 13.2

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(Continued from Sheet No. 13.1)

	<u>(d)</u>	ENERGY ONLY SERVICE: (Applicable Rate Code ENERGY97). This service shall apply to those lights where special arrangements have been made with JEA and applies to those decorative standards which are supplied and installed by others in the Downtown area. Maintenance and replacement of the standard shall be on a contractual or cost plus basis.	(Moved (insertion) [1]
Fuel Charge		As stated in the Fuel and Purchased Power Cost Recovery Charge Policy (Sheet No. 5.0). The FFPC is applied to the Monthly kWh.	
		As stated in the Environmental Charge (Sheet No. 5.1). The Environmental Charge is applied to the Monthly kWh.	
Terms and <u>Conditions</u>	The fe	ollowing Terms and Conditions apply to Lighting Service:	
	(a)	Monthly charges for all Rate Codes are based upon JEA having an existing source of electrical power to each lighting installation.	
	(b)	Monthly charges are based on an overhead service. An initial charge will be required for all underground installations, unless a facilities charge is applied.	
	(c)	Prior to installation of area lighting facilities, JEA's private residential customers who are owners of the property in question, shall execute a contract for lighting service with JEA. The initial term for such contracts shall be three (3) years. In the event the light is removed prior to the expiration of the first three (3) year contract, either at the customer's request or for non-payment of bill, a "Take-Down" fee shall be assessed the customer. All charges due under this contract shall be applicable to any account the customer may then or thereafter have with JEA.	

| RYAN WANNEMACHER, DIRECTOR FINANCIAL PLANNING, BUDGETS, AND RATES

Effective June 1, 2016

Deleted: October 1, 2015

Nineteenth Revised Sheet No. 15.0 - Deleted: Eighteenth Canceling Eighteenth Revised Sheet No. 15.0 Deleted: Seventeenth JEA SOLARSMART RIDER AVAILABLE: In all territory served by JEA APPLICABLE: Available upon request to any customer that meets the following conditions: a) No delinquent account balance b) Not currently served under a time of day rate schedule RATE PER MONTH: The charge per month shall consist of the basic monthly, demand (where applicable), energy, fuel, and environmental charges per the applicable rate schedule as modified below: Fuel Charge: JEA SolarSmart kWh will be billed at the JEA SolarSmart Rate as stated in the Fuel and Purchased Power Cost Recovery Charge Policy (Sheet No. 5.0). Remaining kWh will be billed at the Levelized Fuel Rate as stated in the Fuel and Purchased Power Cost Recovery Charge Policy (Sheet No. 5.0). Environmental Charge: JEA SolarSmart kWh are exempt from the Environmental Charge (Sheet No. 5.1) Definition of JEA SolarSmart kWh: The elected percentage of total kWh per billing period rounded to the nearest kWh. **TERMS AND CONDITIONS:** (a) Customers may elect to receive up to 100% of their energy from JEA solar energy sources. Deleted: ¶ (b) Customers may enroll at any time but must remain on JEA SolarSmart for at least one (1) billing period after enrollment. A customer may cancel any time thereafter and enroll again at a later date. (c) No refund or adjustments of JEA SolarSmart charges will be made if service is canceled. (d) Energy produced from JEA solar energy sources may not be specifically delivered to the customer. (e) Any Fuel Credit, approved by JEA's Board, will be calculated using the total kWh less JEA SolarSmart kWh in the month a credit is given.

RYAN WANNEMACHER, DIRECTOR FINANCIAL PLANNING, BUDGETS, AND RATES Effective October 1, 2016

(For Future Use) Deleted: October 1 2015

JEA		Thirteenth Revised Sheet No. 17.2 Canceling Twelfth Revised Sheet No. 17.2
		(Continued from Sheet No. 17.1)
Term of <u>Service</u>	a)	Service under this rider shall be for at least six (6) years but not more than eight (8) years for projects greater than 5,000 kW, from the commencement of service and will terminate at the end of the final year.
	b)	JEA may terminate service under this Rider if the Customer fails to maintain the full-time employees and/or the Customer fails to take the required amount of metered demand specified in the Economic Development Program Rider Service Agreement. If JEA elects to terminate the Economic Development Program Rider Service Agreement for noncompliance with Rider EDP, the Customer is no longer entitled to discounts provided by Rider EDP.
	c)	Customers desiring to terminate service under this rider will be required to give JEA thirty (30) days written notice. If the Customer elects to terminate the Economic Development Program Rider Service Agreement the Customer is no longer entitled to discounts provided by Rider EDP.
Terms and Conditions	a)	Service hereunder shall be subject to the Rules and Regulations of JEA.
	b)	Service under this Rider shall not be available where the service is provided solely or predominately for: 1) Multi-tenant residential or commercial properties 2) Any service deemed "Temporary"
	c)	A name change or other superficial change at an existing location, where the ownership and/or control over the premise is not changed, will not be considered as a new Customer.
	d)	If a change of ownership of the same business occurs after the Customer has initiated an Economic Development Program Rider Service Agreement, the successor Customer may be allowed to continue the balance of the agreement provided there are no reductions in employment or metered demand.
	e)	This Rider is not available for load shifted between service delivery points within JEA's service territory.
	f)	This Rider is not available for renewal or extension beyond the date listed in the Economic Development Program Rider Service Agreement.
	g)	Election of this Rider will preclude the election of any other JEA Rider, with the exception of JEA SolarSmart Rider, for new metered demand.
	h)	Customer must maintain their JEA account in a current status. JEA retains the right to terminate this Rider at any time if Customer is classified as a "High Risk Customer" as defined in JEA Procedure MBC 302 Credit & Collections

RYAN WANNEMACHER, DIRECTOR FINANCIAL PLANNING, BUDGETS, AND RATES

Effective October 1, 2016

Deleted: October 1, 2015

ELECTRIC TARIFF DOCUMENTATION

VOLUME 1

JEA 21 W. Church St. Jacksonville, Florida 32202-3139 (904) 665-6000

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Submitted to the Public Service Commission

Approved by the JEA Board March 15, 2016 (Continued from Sheet No. 3.1)

- 12. JEA will require a contribution-in-aid-of-construction by a developer for underground utilities in an amount not to exceed the difference in costs between an underground system and an equivalent overhead system. JEA's Policy and Procedure for underground distribution should be referenced for further information.
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The total fuel rate charge for each rate schedule shall be the sum of the Variable Fuel Rate plus the Fuel Stabilization charge plus the Fuel Recovery charge.

FUEL CHARGE PER kWh

<u>RETAIL RATES</u> Residential General Service General Service Demand General Service Lrg Demand Rate Schedules SL & OL Riders GSXLD, IS & CS JEA SolarSmart

SALE FOR RESALE RATES	<u>LEVELIZED</u>
Municipal Rates	3.675 cents per kWh

LEVELIZED 3.675 cents per kWh 7.500 cents per kWh OFF PEAK 3.563 cents per kWh 3.566 cents per kWh 3.572 cents per kWh 3.575 cents per kWh <u>ON PEAK</u>

3.920 cents per kWh 3.923 cents per kWh 3.930 cents per kWh 3.932 cents per kWh

EXCESS REACTIVE DEMAND (KVAR) POLICY

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The customer's utilization equipment shall not result in a target power factor (TPF) at the point of delivery of less than ninety percent (90%) lagging at the time of maximum demand. Should this TPF be less than ninety percent (90%) lagging during any month, JEA may adjust the readings taken to determine the Total Demand.

If TPF is less than ninety percent (90%) lagging then the Billing Demand (BD) is calculated using the following formula:

BD = Maximum measured 15-minute demand (kW) X (TPF / PF)

PF = power factor calculated per the following formula

PF = COS(ATAN(kVar/kW))

kVar in the above formula is the kVar measured coincident with the maximum 15-minute kW demand used in the formula. For GSDT and GSLDT the off-peak demand will be used for determining Excess Reactive Demand.

ENVIRONMENTAL CHARGE

Effective October 1, 2007

This Environmental Charge applies to all rate classes. The said energy charge stated in each rate schedule for each kilowatt hour billed in accordance with JEA's normal billing cycle shall be increased by the Environmental Charge per kilowatt hour as indicated below.

Rate for all rate classes = 0.00062 per kWh

JEA SolarSmart kWh as defined on Sheet No. 15.00 are exempt from Environmental Charge.

NET METERING

Effective October 1, 2009

Net metering is authorized for residential and commercial customers in accordance with JEA's Net Metering Policy.

SL	
Revenue Codes See Rate Code	

RATE SCHEDULE SL STREET LIGHTING

Available In all territory served by the retail distribution system of JEA.

Applicable To any Public Agency (State, County or Municipal governments) and to Owner's Associations for automatically-controlled lighting of public thoroughfares and to JEA's private residential customers who are owners of the property in question for automatically-controlled area lighting.

of Service Dusk-to-dawn automatically-controlled lighting owned, operated and maintained by JEA, and governed by JEA's Management Directive for Street Lighting, MD909.

Schedule of Rates

Rate Code	Service <u>Type</u>	Wattage & <u>Type</u>	<u>Fixture</u> <u>Types</u>	Monthly <u>kWh</u>	Monthly Non-Fuel Charge <u>\$/Fixture*</u>
SLHPS1	Standard	70W HPS	CH, PT	29	\$6.36
SLHPS2	Standard	200W HPS	CH, FL	88	\$0.30 \$7.43
SLHPS3	Standard	250W HPS	CH, TL CH	108	\$7.58
SLHPS4	Standard	400W HPS	CH, FL	169	\$8.42
SLMHS1	Standard	100W MH	DA	47	\$10.61
SLMHS2	Standard	150W MH	PT	67	\$7.57
SLMHS3	Standard	175W MH	PT	76	\$7.65
SLMHS4	Standard	320W MH	CH, FL	130	\$8.10
SLMHS5	Standard	150W MH	DA	67	\$13.36
SLMHS6	Standard	400W MH	CH, FL	164	\$8.42
SLMHS7	Standard	175W MH	DA	76	\$13.45
SLMHE1	Historic Energy & O&M	150W MH	DA	67	\$1.92
SLMHE2	Historic Energy & O&M	175W MH	DA	76	\$2.01
SLMHE3	Energy & O&M	320W MH	CH, FL, SB	130	\$2.51
SLMHE4	Energy & O&M	400W MH	CH, FL, SB	164	\$2.82
SLLED1	Standard	40W LED	CH	15	\$6.32
SLLED2	Standard	40W LED	PT	16	\$7.07
SLLED3	Standard	115W LED	CH	41	\$7.20
SLLED4	Standard	162W LED	SB	59	\$11.02
SLLED5	Standard	275W LED	CH	99	\$8.90
SLLED6	Standard	72W LED	PT	26	\$7.48
SLLED7	Standard	100W LED	DA	36	\$14.96

HPS = High Pressure Sodium LED = Light Emitting Diode MH = Metal Halide

CH = Cobra Head DA = Decorative Acorn FL = Floodlight PT = Post Top SB = Shoebox

*Monthly Fixture charge is valid for bills of 30 days only.

The charge will vary depending on the actual number of days billed.

(Continued to Sheet No. 13.1)

(Continued from Sheet No. 13.0)

Energy Only (Rate Code ENERGY97) The monthly charge shall be computed as follows:

Total Wattage (including Ballast) x 360 Hours x \$0.03325

Types of <u>Service</u> The types of service are defined as follows:

- (a) STANDARD SERVICE: (Applicable Rate Codes SLHPS1-4, SLMHS1-7, SLLED1-7). In addition to Energy and O&M service, as described below, this service also includes an ownership cost for the initial installation of the fixture assembly including bracket, accessories, and labor. The applicable rates are for both overhead and underground fed lighting systems. Underground systems and fixture types not listed above require a contribution-in-aid-of construction to cover the differential cost between overhead versus underground systems and standard versus non-standard fixture types.
- (b) HISTORIC (PED LIGHT) ENERGY & O&M SERVICE: (Applicable Rate Codes SLMHE1-2). This service shall apply to those Historic Pedestrian Lights that are usually installed within predefined "whitelight areas" (see Rules & Regulations, Downtown Service Area Boundary Maps). JEA is responsible for maintenance of these lights which include replacement of failed electrical components, bulbs, glassware, and the cleaning of glassware at such intervals as necessary to keep the system presentable and efficient. JEA is not responsible for the installation/removal/maintenance of the street banners and associated banner rod equipment. The capital cost is the responsibility of the City or the using Agency.
- (c) ENERGY AND O&M SERVICE: (Applicable Rate Codes SLMHE 3-4). This service includes dusk-todawn powering, maintenance and replacement of the standard, replacement of failed electrical components, bulbs, glassware, and the cleaning of glassware at such intervals as necessary to keep the system presentable and efficient. The capital cost is the responsibility of the City or the using Agency. This service is not available for new installations after the effective date of this policy.

(Continued to Sheet No. 13.2)

(Continued from Sheet No. 13.1)

- (d) ENERGY ONLY SERVICE: (Applicable Rate Code ENERGY97). This service shall apply to those lights where special arrangements have been made with JEA and applies to those decorative standards which are supplied and installed by others in the Downtown area. Maintenance and replacement of the standard shall be on a contractual or cost plus basis.
- Fuel ChargeAs stated in the Fuel and Purchased Power Cost Recovery Charge
Policy (Sheet No. 5.0). The FFPC is applied to the Monthly kWh.
- <u>Environmental Charge</u> As stated in the Environmental Charge (Sheet No. 5.1). The Environmental Charge is applied to the Monthly kWh.

Terms and Conditions

The following Terms and Conditions apply to Lighting Service:

- (a) Monthly charges for all Rate Codes are based upon JEA having an existing source of electrical power to each lighting installation.
- (b) Monthly charges are based on an overhead service. An initial charge will be required for all underground installations, unless a facilities charge is applied.
- (c) Prior to installation of area lighting facilities, JEA's private residential customers who are owners of the property in question, shall execute a contract for lighting service with JEA. The initial term for such contracts shall be three (3) years. In the event the light is removed prior to the expiration of the first three (3) year contract, either at the customer's request or for non-payment of bill, a "Take-Down" fee shall be assessed the customer. All charges due under this contract shall be applicable to any account the customer may then or thereafter have with JEA.

JEA SOLARSMART RIDER

AVAILABLE:

In all territory served by JEA

APPLICABLE:

Available upon request to any customer that meets the following conditions:

- a) No delinquent account balance
- b) Not currently served under a time of day rate schedule

RATE PER MONTH:

The charge per month shall consist of the basic monthly, demand (where applicable), energy, fuel, and environmental charges per the applicable rate schedule as modified below:

Fuel Charge: JEA SolarSmart kWh will be billed at the JEA SolarSmart Rate as stated in the Fuel and Purchased Power Cost Recovery Charge Policy (Sheet No. 5.0).

Remaining kWh will be billed at the Levelized Fuel Rate as stated in the Fuel and Purchased Power Cost Recovery Charge Policy (Sheet No. 5.0).

Environmental Charge: JEA SolarSmart kWh are exempt from the Environmental Charge (Sheet No. 5.1)

<u>Definition of JEA SolarSmart kWh:</u> The elected percentage of total kWh per billing period rounded to the nearest kWh.

TERMS AND CONDITIONS:

- (a) Customers may elect to receive up to 100% of their energy from JEA solar energy sources.
- (b) Customers may enroll at any time but must remain on JEA SolarSmart for at least one (1) billing period after enrollment. A customer may cancel any time thereafter and enroll again at a later date.
- (c) No refund or adjustments of JEA SolarSmart charges will be made if service is canceled.
- (d) Energy produced from JEA solar energy sources may not be specifically delivered to the customer.
- (e) Any Fuel Credit, approved by JEA's Board, will be calculated using the total kWh less JEA SolarSmart kWh in the month a credit is given.

JEA		Thirteenth Revised Sheet No. 17.2 Canceling Twelfth Revised Sheet No. 17.2
		(Continued from Sheet No. 17.1)
Term of <u>Service</u>	a)	Service under this rider shall be for at least six (6) years but not more than eight (8) years for projects greater than 5,000 kW, from the commencement of service and will terminate at the end of the final year.
	b)	JEA may terminate service under this Rider if the Customer fails to maintain the full-time employees and/or the Customer fails to take the required amount of metered demand specified in the Economic Development Program Rider Service Agreement. If JEA elects to terminate the Economic Development Program Rider Service Agreement for noncompliance with Rider EDP, the Customer is no longer entitled to discounts provided by Rider EDP.
Terms and	c)	Customers desiring to terminate service under this rider will be required to give JEA thirty (30) days written notice. If the Customer elects to terminate the Economic Development Program Rider Service Agreement the Customer is no longer entitled to discounts provided by Rider EDP.
Conditions	a)	Service hereunder shall be subject to the Rules and Regulations of JEA.
	b)	 Service under this Rider shall not be available where the service is provided solely or predominately for: 1) Multi-tenant residential or commercial properties 2) Any service deemed "Temporary"
	c)	A name change or other superficial change at an existing location, where the ownership and/or control over the premise is not changed, will not be considered as a new Customer.
	d)	If a change of ownership of the same business occurs after the Customer has initiated an Economic Development Program Rider Service Agreement, the successor Customer may be allowed to continue the balance of the agreement provided there are no reductions in employment or metered demand.
	e)	This Rider is not available for load shifted between service delivery points within JEA's service territory.
	f)	This Rider is not available for renewal or extension beyond the date listed in the Economic Development Program Rider Service Agreement.
	g)	Election of this Rider will preclude the election of any other JEA Rider, with the exception of JEA SolarSmart Rider, for new metered demand.
	h)	Customer must maintain their JEA account in a current status. JEA retains the right to terminate this Rider at any time if Customer is classified as a "High Risk Customer" as defined in JEA Procedure MBC 302 Credit & Collections

JEA Net Metering Tier 3, DG-2, and DG-3 Interconnection Application Fee Cost Basis													
Description	JEA Department	Hours	Hourly Rate	Cost	Total								
Initial Process & Screening of Application	ECS - Director	1	\$53.00	\$53.00	\$53.00								
Initial Contact / Meeting with Applicant	ECS - Director	2	\$53.00	\$106.00	\$159.00								
Technical Review													
Review Distribution System Loading at Interconnection Point	Planning(Engineer)	4	\$45.00	\$180.00	\$339.00								
Review Customer Equipment for Compliance with Interconnection Agreement.	Standards(Engineer)	3 3	\$45.00 \$40.00	\$135.00 \$120.00	\$474.00								
Review Customer's Contribution to Existing Circuit's Available Fault Current.	ECS (Engineer)				\$594.00								
Review Customer's Effect to Existing Protective Device's Coordination.	ECS (Engineer)	4	\$40.00	\$160.00	\$754.00								
Final Inspection of Customer's Equipment	Standards(Engineer)	4	\$45.00	\$180.00	\$934.00								
Installation / Change out of existing meter	Metering	4	\$35.00	\$140.00	\$1,074.00								
				Total =	\$ 1,074.00								

Streetlight Rate Design

Rate Class Wattage - Type	Rate Code	Monthly Energy Costs (Non-Fuel Energy Cost/Total Annual kWh x Energy)	Monthly Customer Costs (Customer Cost/Number of Fixtures)	Replacement Cost	Monthly Fixed Costs (Replacement Cost x Fixed Charge Rate)	Monthly Relamp Cost	Monthly Stranded Cost	Monthly Cost
150W MH Decorative Acorn	SLMHS5	\$0.62	\$0.27	\$2,409.96	\$11.44	\$1.04	n/a	\$13.36
175W MH Decorative Acorn	SLMHS7	\$0.70	\$0.27	\$2,409.96	\$11.44	\$1.04	n/a	\$13.45
320W MH Shoebox¹	SLMHS5	\$1.21	\$0.27	\$3,274.00	\$15.54	\$1.04	n/a	\$18.06
72W LED Post Top	SLLED6	\$0.24	\$0.27	\$1,337.03	\$6.35	\$0.00	\$0.63	\$7.48
100W LED Decorative Acorn	SLLED7	\$0.33	\$0.27	\$2,892.12	\$13.73	\$0.00	\$0.63	\$14.96
162W LED Shoebox ²	SLLED4	\$0.55	\$0.27	\$3,470.89	\$16.48	\$0.00	\$0.63	\$17.92
162W LED Shoebox	SLLED4	\$0.55	\$0.27	\$2,017.89	\$9.58	\$0.00	\$0.63	\$11.02

Total Fixed Charge Rate 5.70%

Notes:

1. The standard rate is no longer applicable to our customer needs.

2. Revised replacement cost.

Supporting Calculations

LED STRANDED COST CALCULATION:	
Book Value Aug-2014	\$17,156,730
COJ 84%	\$14,411,653
LED Conversion 93%	\$13,402,838
Bracket Cost	(\$2,361,864)
Stranded Cost	\$11,040,973
Average cost of capital	3.87%
Payment	(\$803,089.69)
Number of LED lights	106,615
Annual Stranded Cost	\$ 7.53
Monthly Stranded Cost	\$ 0.63

JEA Solar PPA Pricing	Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
PPA #1	MWh(AC)	14,179	14,108	14,038	13,968	13,898	13,828	13,759	13,690	13,622	13,554	13,486	13,419	13,351	13,285	13,218	13,152	13,086	13,021	12,956	12,891	270,509	l
7 MW(AC)	\$/MWh(AC)	69.30	70.69	72.10	73.54	75.01	76.51	78.04	79.60	81.20	82.82	84.48	86.17	87.89	89.65	91.44	93.27	95.13	97.04	98.98	100.96	22,700	83.91
PPA #2	MWh(AC)	8,454	8,412	8,370	8,328	8,286	8,245	8,204	8,163	8,122	8,081	8,041	8,000	7,960	7,921	7,881	7,842	7,802	7,763	7,725	7,686	161,285	
4 MW(AC)	\$/MWh(AC)	62.30	64.48	66.74	69.07	71.49	73.99	76.58	79.26	82.04	84.91	87.88	90.96	94.14	97.43	100.84	104.37	108.03	111.81	115.72	119.77	14,127	87.59
PPA #3	MWh(AC)	5,088	5,063	5 <i>,</i> 038	5,012	4,987	4,962	4,937	4,913	4,888	4,864	4,840	4,816	4,792	4,768	4,744	4,720	4,696	4,673	4,649	4,626	97,072	
3 MW(AC)	\$/MWh(AC)	75.87	75.87	75.87	75.87	75.87	75.87	75.87	75.87	75.87	75.87	75.87	75.87	75.87	75.87	75.87	75.87	75.87	75.87	75.87	75.87	7,365	75.87
PPA #4	MWh(AC)	10,481	10,429	10,376	10,325	10,273	10,222	10,170	10,120	10,069	10,019	9,969	9,919	9,869	9,820	9,771	9,722	9,673	9,625	9,577	9,529	199,956	
5 MW(AC)	\$/MWh(AC)	86.50	86.50	86.50	86.50	86.50	86.50	86.50	86.50	86.50	86.50	86.50	86.50	86.50	86.50	86.50	86.50	86.50	86.50	86.50	86.50	17,296	86.50
PPA #5	MWh(AC)	4,192	4,171	4,151	4,130	4,109	4,089	4,068	4,048	4,028	4,007	3,987	3,967	3,948	3,928	3,908	3,889	3,869	3,850	3,831	3,812	79,982	
2 MW(AC)	\$/MWh(AC)	83.43	83.43	83.43	83.43	83.43	83.43	83.43	83.43	83.43	83.43	83.43	83.43	83.43	83.43	83.43	83.43	83.43	83.43	83.43	83.43	6,673	83.43
PPA #6	MWh(AC)	1,800	1,791	1,782	1,773	1,765	1,756	1,748	1,739	1,730	1,721	1,713	1,704	1,694	1,686	1,677	1,669	1,660	1,652	1,644	1,636	34,340	
1 MW(AC)	\$/MWh(AC)	64.00	66.24	68.56	70.96	73.44	76.01	78.67	81.42	84.27	87.22	90.27	93.43	96.70	100.08	103.59	107.22	110.97	114.85	118.87	123.03	3,090	89.97
PPA #7	MWh(AC)	9 <i>,</i> 966	9,916	9 <i>,</i> 866	9,817	9,768	9,719	9,671	9,622	9,574	9,526	9,479	9,431	9,384	9,337	9,290	9,244	9,198	9,152	9,106	9,061	190,127	
5 MW(AC)	\$/MWh(AC)	79.00	79.00	79.00	79.00	79.00	79.00	79.00	79.00	79.00	79.00	79.00	79.00	79.00	79.00	79.00	79.00	79.00	79.00	79.00	79.00	15,020	79.00
PPA #8	MWh(AC)	10,735	10,681	10,628	10,574	10,522	10,469	10,417	10,364	10,313	10,261	10,210	10,159	10,108	10,058	10,007	9 <i>,</i> 958	9,907	9,858	9,808	9,760	204,797	
4.5 MW(AC)	\$/MWh(AC)	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	17,920	87.50
PPA #9	MWh(AC)	10,200	10,149	10,098	10,048	9,998	9,948	9,898	9,848	9,799	9,750	9,701	9,653	9,605	9,557	9,509	9,461	9,414	9,367	9,320	9,273	194,595	
5 MW(AC)	\$/MWh(AC)	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	11,676	60.00
	MWh(AC)	75,096	74,720	74,346	73,974	73,606	73,237	72,871	72,506	72,144	71,783	71,425	71,068	70,711	70,358	70,005	69 <i>,</i> 656	69,306	68,961	68,615	68,274	1,432,662	
Total Solar - 36.5 MW(AC)	Cost (\$000)	5,606	5,619	5,634	5,650	5,667	5,684	5,703	5,722	5,743	5,764	5,787	5,811	5,835	5,861	5,888	5,917	5,946	5,977	6,009	6,043	115,865	l
	\$/MWh(AC)	74.65	75.21	75.78	76.37	76.98	77.61	78.25	78.92	79.60	80.30	81.02	81.76	82.52	83.31	84.11	84.94	85.80	86.68	87.58	88.51	80.87	J

*JEA SolarSmart pricing is based on JEA's average solar PPA cost for the first two years JEA receives solar power. This price will be adjusted accordingly in the future based on cost.