

**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 53

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 53

APPLYING TO MISSOURI SERVICE AREA

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\* Indicates Change.

Issued pursuant to the Order of the Mo.P.S.C. in Case No. ER-2016-0179.

DATE OF ISSUE March 8, 2017 DATE EFFECTIVE April 7, 2017

ISSUED BY Michael Moehn President St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 54  
 CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 54

APPLYING TO MISSOURI SERVICE AREA

**SERVICE CLASSIFICATION NO. 1(M)**  
**RESIDENTIAL SERVICE RATE**

**\*RATE BASED ON MONTHLY METER READINGS**

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Customer Charge - per month	\$9.00
Low-Income Pilot Program Charge - per month	\$0.04
Energy Charge - per kWh	12.58¢
Energy Efficiency Program Charge - per kWh	0.03¢

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Customer Charge - per month	\$9.00
Low-Income Pilot Program Charge - per month	\$0.04
Energy Charge - per kWh	
First 750 kWh	8.76¢
Over 750 kWh	6.00¢
Energy Efficiency Program Charge - per kWh	0.02¢

Optional Time-of-Day Rate (Pilot)

Customer Charge - per month	\$9.00
Low-Income Pilot Program Charge - per month	\$0.04
Energy Charge - per kWh (1)	
Summer (June-September billing periods)	
All On Peak kWh	31.50¢
All Off Peak kWh	7.87¢
Winter (October-May billing periods)	
First 750 kWh	8.76¢
Over 750 kWh	6.00¢
Energy Efficiency Program Charge - per kWh	
Summer (June-September billing periods)	0.03¢
Winter (October-May billing periods)	0.02¢

(1) On-peak and Off-peak hours applicable herein are:

- Peak hours - 2:00 P.M. to 7:00 P.M., Monday through Friday.
- Off-peak hours - 7:00 P.M. of Monday through Thursday to 2:00 P.M. of the following day, and from 7:00 P.M. Friday to 2:00 P.M. Monday.

\* Indicates Change.

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**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6

3rd Revised

SHEET NO. 54.1

CANCELLING MO.P.S.C. SCHEDULE NO. 6

2nd Revised

SHEET NO. 54.1

APPLYING TO MISSOURI SERVICE AREA

**SERVICE CLASSIFICATION NO. 1(M)**  
**RESIDENTIAL SERVICE RATE (Cont'd.)**

**RATE BASED ON MONTHLY METER READINGS (Cont'd.)**

Fuel and Purchased Power Adjustment (Rider FAC). Applicable to all metered kilowatt-hours (kWh) of energy.

Energy Efficiency Investment Charge (Rider EEIC). Applicable to all metered kilowatt-hours (kWh) of energy excluding kWh of energy supplied to customers that have satisfied the opt-out provisions or the low-income exemption provisions of Section 393.1075, RSMo.

\*Payments. Bills are due and payable within twenty-one (21) days from date of bill and become delinquent thereafter.

Term of Use. Initial period one (1) year, terminable thereafter on three (3) days' notice.

Tax Adjustment. Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

\* Indicates Change.

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DATE OF ISSUE March 8, 2017

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ISSUED BY Michael Moehn  
NAME OF OFFICER

President  
TITLE

St. Louis, Missouri  
ADDRESS

**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 55

CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 55

APPLYING TO MISSOURI SERVICE AREA

**SERVICE CLASSIFICATION NO. 2(M)**

**SMALL GENERAL SERVICE RATE**

**\*RATE BASED ON MONTHLY METER READINGS**

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Customer Charge - per month	
Single Phase Service	\$11.19
Three Phase Service	\$21.38
Limited Unmetered Service	\$5.92
Low-Income Pilot Program Charge - per month	\$ 0.05
Energy Charge - per kWh	11.20¢
Energy Efficiency Program Charge - per kWh (3)	0.01¢

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Customer Charge - per month	
Single Phase Service	\$11.19
Three Phase Service	\$21.38
Limited Unmetered Service	\$5.92
Low-Income Pilot Program Charge - per month	\$ 0.05
Energy Charge - per kWh	
Base Use	8.36¢
Seasonal Use(1)	4.82¢
Energy Efficiency Program Charge - per kWh (3)	0.01¢

Optional Time-of-Day Rate

Customer Charge - per month	
Single Phase Service	\$21.43
Three Phase Service	\$41.84
Limited Unmetered Service	\$5.92
Low-Income Pilot Program Charge - per month	\$ 0.05
Energy Charge - per kWh (2)	
Summer (June-September billing periods)	
All On Peak kWh	16.64¢
All Off Peak kWh	6.78¢
Winter (October-May billing periods)	
All On Peak kWh	10.96¢
All Off Peak kWh	5.03¢
Energy Efficiency Program Charge - per kWh (3)	
Summer (June-September billing periods)	0.01¢
Winter (October-May billing periods)	0.01¢

(1) The winter seasonal energy use shall be all kWh in excess of 1,000 kWh per month and in excess of the lesser of a) the kWh use during the preceding May billing period, or b) October billing period, or c) the maximum monthly kWh use during any preceding summer month.

(2) On-peak and Off-peak hours applicable herein shall be as specified in Rider I, paragraph A.

(3) Not applicable to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo.

\* Indicates Change.

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**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 55.1

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 55.1

APPLYING TO MISSOURI SERVICE AREA

**SERVICE CLASSIFICATION NO. 2(M)**  
**SMALL GENERAL SERVICE RATE (Cont'd.)**

**RATE BASED ON MONTHLY METER READINGS (Cont'd.)**

Fuel and Purchased Power Adjustment (Rider FAC) Applicable to all metered kilowatt-hours (kWh) of energy.

Energy Efficiency Investment Charge (Rider EEIC). Applicable to all metered kilowatt-hours (kWh) of energy excluding kWh of energy supplied to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo.

\*Payments Bills are due and payable within twenty-one (21) days from date of bill and become delinquent thereafter.

Term of Use One (1) year, terminable thereafter on three (3) days' notice.

Tax Adjustment Any license, franchise, gross receipts, occupation, or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

\* Indicates Change.

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MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 55.3CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 55.3APPLYING TO MISSOURI SERVICE AREASERVICE CLASSIFICATION NO. 2(M)  
SMALL GENERAL SERVICE RATE (Cont'd.)**6. OPTIONAL TIME-OF-DAY (TOD) SERVICE (Cont'd.)**

- a. Customer will be transferred to this TOD rate option effective with TOD meter installation and transferred from this TOD rate option to the applicable non-TOD rate after the meter is removed.
- b. Customer electing this TOD option, shall remain on said option for a minimum period of twelve (12) months, provided however, that customer may discontinue this option within the first ninety (90) days thereunder subject to the continued payment of the TOD customer charge, in lieu of any other customer charge, for the full twelve (12) month term of this option.
- c. Any customer canceling this TOD option cannot thereafter resume billing under said option for a period of one year following the last billing period on the TOD option.
- d. Premises with 120 volt 2-wire service, or meter locations which would make monthly meter readings unusually difficult to obtain, do not qualify for this TOD option.

**\*7. LIMITED UNMETERED SERVICE**

Where service is required for electrical loads which are constant over a predetermined operating schedule and can be reasonably estimated by Company, Company may at its sole discretion waive the metering requirement for the limited types of load referred to herein. In such instances Company would calculate monthly billing for these loads under Service Classification No. 2(M). Additionally, all other provisions of Service Classification 2(M) shall apply to these loads. Service supplied under the provisions of this paragraph is limited to loads of 5 kVA or less at any one service delivery point.

**\*\*8. GENERAL RULES AND REGULATIONS**

In addition to the above specific rules and regulations, all of Company's General Rules and Regulations shall apply to the supply of service under this rate.

\* Indicates Addition. \*\* Indicates Reissue.

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**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 56  
 CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 56

APPLYING TO MISSOURI SERVICE AREA

**SERVICE CLASSIFICATION NO. 3(M)**  
**LARGE GENERAL SERVICE RATE**

**\*RATE BASED ON MONTHLY METER READINGS**

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Customer Charge - per month	\$94.51
Low-Income Pilot Program Charge - per month	\$ 0.56
Energy Charge - per kWh	
First 150 kWh per kW of Billing Demand	10.58¢
Next 200 kWh per kW of Billing Demand	7.96¢
All Over 350 kWh per kW of Billing Demand	5.35¢
Demand Charge - per kW of Total Billing Demand	\$ 5.40
Energy Efficiency Program Charge - per kWh (1)	0.03¢

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Customer Charge - per month	\$94.51
Low-Income Pilot Program Charge - per month	\$ 0.56
Base Energy Charge - per kWh	
First 150 kWh per kW of Base Demand	6.65¢
Next 200 kWh per kW of Base Demand	4.94¢
All Over 350 kWh per kW of Base Demand	3.89¢
Seasonal Energy Charge - Seasonal kWh	3.89¢
Demand Charge - per kW of Total Billing Demand	\$ 2.00
Energy Efficiency Program Charge - per kWh (1)	0.02¢

(1) Not applicable to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo.

Optional Time-of-Day Adjustments

Additional Customer Charge - per Month	\$21.08 per month
Energy Adjustment - per kWh	
	On-Peak      Off-Peak
	<u>Hours(2)</u> <u>Hours(2)</u>
Summer kWh(June-September billing periods)	+1.25¢      -0.71¢
Winter kWh(October-May billing periods)	+0.38¢      -0.21¢

(2) On-peak and off-peak hours applicable herein shall be as specified in Rider I, paragraph A.

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NAME OF OFFICER	TITLE	ADDRESS

**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 56.1

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 56.1

APPLYING TO MISSOURI SERVICE AREA

**SERVICE CLASSIFICATION NO. 3(M)**  
**LARGE GENERAL SERVICE RATE (Cont'd.)**

**RATE BASED ON MONTHLY METER READINGS (Cont'd.)**

Fuel and Purchased Power Adjustment (Rider FAC) Applicable to all metered kilowatt-hours (kWh) of energy.

Energy Efficiency Investment Charge (Rider EEIC). Applicable to all metered kilowatt-hours (kWh) of energy excluding kWh of energy supplied to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo.

\* Payments Bills are due and payable within twenty-one (21) days from date of bill and become delinquent thereafter.

Term of Use One (1) year, terminable thereafter on three (3) days' notice.

Tax Adjustment Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

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MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 57

CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 57

APPLYING TO MISSOURI SERVICE AREA

**SERVICE CLASSIFICATION NO. 4(M)**  
**SMALL PRIMARY SERVICE RATE**

**\*RATE BASED ON MONTHLY METER READINGS**

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Customer Charge - per month	\$323.82
Low-Income Pilot Program Charge - per month	\$ 0.56
Energy Charge - per kWh	
First 150 kWh per kW of Billing Demand	10.23¢
Next 200 kWh per kW of Billing Demand	7.70¢
All Over 350 kWh per kW of Billing Demand	5.16¢
Demand Charge - per kW of Total Billing Demand	\$ 4.66
Reactive Charge - per kVar	38.00¢
Energy Efficiency Program Charge - per kWh (1)	0.03¢

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Customer Charge - per month	\$323.82
Low-Income Pilot Program Charge - per month	\$ 0.56
Base Energy Charge - per kWh	
First 150 kWh per kW of Base Demand	6.44¢
Next 200 kWh per kW of Base Demand	4.78¢
All Over 350 kWh per kW of Base Demand	3.74¢
Seasonal Energy Charge - Seasonal kWh	3.74¢
Demand Charge - per kW of Total Billing Demand	\$ 1.69
Reactive Charge - per kVar	38.00¢
Energy Efficiency Program Charge - per kWh (1)	0.02¢

(1) Not applicable to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo.

Optional Time-of-Day Adjustments

Additional Customer Charge - per Month	\$21.08 per month	
Energy Adjustment - per kWh	On-Peak <u>Hours (2)</u>	Off-Peak <u>Hours (2)</u>
Summer kWh(June-September billing periods)	+0.91¢	-0.51¢
Winter kWh(October-May billing periods)	+0.34¢	-0.18¢

(2) On-peak and Off-peak hours applicable herein shall be as specified within this service classification.

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	NAME OF OFFICER		ADDRESS
			<u>St. Louis, Missouri</u>

**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 57.1

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 57.1

APPLYING TO MISSOURI SERVICE AREA

**SERVICE CLASSIFICATION NO. 4(M)**  
**SMALL PRIMARY SERVICE RATE (Cont'd.)**

**RATE BASED ON MONTHLY METER READINGS (Cont'd.)**

Fuel and Purchased Power Adjustment (Rider FAC) Applicable to all metered kilowatt-hours (kWh) of energy.

Energy Efficiency Investment Charge (Rider EEIC). Applicable to all metered kilowatt-hours (kWh) of energy excluding kWh of energy supplied to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo.

\* Payments Bills are due and payable within twenty-one (21) days from date of bill and become delinquent thereafter.

Term of Use One (1) year, terminable thereafter on three (3) days' notice.

Tax Adjustment Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

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**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 58  
 CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 58

APPLYING TO MISSOURI SERVICE AREA

**SERVICE CLASSIFICATION NO. 5(M)**  
**STREET AND OUTDOOR AREA LIGHTING - COMPANY-OWNED**

**\* RATE PER UNIT PER MONTH LAMP AND FIXTURE**

\* A. LED bracket mounted luminaire on existing wood pole:

<u>Identification</u>	<u>Rate</u>
100W Equivalent (1)	\$10.31
250W Equivalent (1)	\$16.70
400W Equivalent (1)	\$30.89

(1) The equivalent wattage represents the rating of the high pressure sodium lamp that the LED replaces.

The Light Emitting Diode (LED) offerings under section B. below will be made available to customers beginning on or about July 1, 2017.

\*\*\* B. LED directional flood luminaire; limited to installations accessible to Company basket truck:

<u>Identification</u>	<u>Rate</u>
Directional - Small	\$21.61
Directional - Medium	\$34.69
Directional - Large	\$69.13

\*\* C. Standard post-top luminaire including standard 17-foot post:

<u>High Pressure Sodium</u>		<u>Mercury Vapor (1)</u>	
<u>Lumens</u>	<u>Rate*</u>	<u>Lumens</u>	<u>Rate*</u>
9,500	\$23.65	3,300	\$22.35
		6,800	\$23.65

\* The High Pressure Sodium and Mercury Vapor offerings under sections D. and E. below are no longer available. Company will replace these existing fixtures, upon failure, with an LED fixture under section A.

\*\* D. Standard horizontal burning, enclosed luminaire on existing wood pole:

<u>High Pressure Sodium</u>		<u>Mercury Vapor</u>	
<u>Lumens</u>	<u>Rate*</u>	<u>Lumens</u>	<u>Rate*</u>
9,500	\$12.89	6,800	\$12.89
25,500	\$18.63	20,000	\$18.63
50,000	\$33.21	54,000	\$33.21

\*\* E. Standard side mounted, hood with open bottom glassware on existing wood pole:

<u>High Pressure Sodium</u>		<u>Mercury Vapor</u>	
<u>Lumens</u>	<u>Rate*</u>	<u>Lumens</u>	<u>Rate*</u>
5,800	\$10.44	3,300	\$10.44
9,500	\$11.41	6,800	\$11.41

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**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 58.1  
 CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 58.1

APPLYING TO MISSOURI SERVICE AREA

**SERVICE CLASSIFICATION NO. 5(M)**  
**STREET AND OUTDOOR AREA LIGHTING - COMPANY-OWNED (Cont'd.)**

\* The High Pressure Sodium, Metal Halide and Mercury Vapor offerings under sections F. below will only be available for new installations through on or about June 30, 2017. At that time, Company will replace these existing fixtures, upon failure, with an LED fixture under section B.

\*\* F. Pole-mounted, directional flood luminaire; limited to installations accessible to Company basket truck:

<u>High Pressure Sodium</u>		<u>Metal Halide</u>		<u>Mercury Vapor (1)</u>	
<u>Lumens</u>	<u>Rate*</u>	<u>Lumens</u>	<u>Rate*</u>	<u>Lumens</u>	<u>Rate*</u>
25,500	\$23.65	34,000	\$23.65	20,000	\$23.65
50,000	\$37.40	100,000	\$74.76	54,000	\$37.40

(1) Mercury Vapor lamps and fixtures are limited to customers served under contracts initiated prior to September 27, 1988. Company will continue to maintain these lamps and fixtures so long as parts are economically available.

\*\* G. All poles and cable, where required to provide lighting service: The installation of all standard poles and cables shall be paid for in advance by customer, with all subsequent replacements of said facilities provided by Company.

\*\* H. Former Subsidiary Company lighting units provided under contracts initiated prior to April 9, 1986, which facilities will only be maintained by Company so long as parts are available in Company's present stock:

<u>Lamp and Fixture</u>	<u>*Per Unit Monthly Rate</u>
11,000 Lumens, Mercury Vapor, Open Bottom	\$11.41
140,000 Lumens, H.P. Sodium, Directional	\$74.76

Term of Contract Minimum term of three (3) years where only standard facilities are installed; ten (10) years where post-top luminaires are installed.

Discount for Franchised Municipal Customers A 10% discount will be applied to bills rendered for lighting facilities served under the above rates and currently contracted for by municipalities with whom the Company has an ordinance granted electric franchise as of September 27, 1988. The above discount shall only apply for the duration of said franchise. Thereafter, the above discount shall apply only when the following two conditions are met: 1) any initial or subsequent ordinance granted electric franchise must be for a minimum term of twenty (20) years and 2) Company must have a contract for all lighting facilities for municipal lighting service provided by Company in effect.

\*\*\* Payments Bills are due and payable within twenty-one (21) days from date of bill and become delinquent thereafter.

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**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 58.2  
 CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 58.2

APPLYING TO MISSOURI SERVICE AREA

**SERVICE CLASSIFICATION NO. 5(M)**  
**STREET AND OUTDOOR AREA LIGHTING - COMPANY-OWNED (Cont'd.)**

Tax Adjustment Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

Fuel and Purchased Power Adjustment (Rider FAC) The kilowatt-hours for lighting service provided under the terms of this Service Classification shall be subject to the provisions of Company's Fuel and Purchased Power Adjustment Clause (Rider FAC). The kilowatt-hour consumption of each lamp, whose operating hours are determined by a photoelectric control, shall be determined from the manufacturer's rated wattage multiplied by the number of hours of operation for the month, in accordance with the following schedules:

<u>* LED Bracket Mounted</u> <u>(Watts)</u>	<u>* LED (Watts)</u>	<u>Billing Month</u>	<u>Burning Hours</u>
100W Equivalent	48	January	408
250W Equivalent	88	February	347
400W Equivalent	195	March	346
		April	301
		May	279
		June	255
<u>* LED Directional Flood</u> Small	89	July	272
Medium	150	August	298
Large	297	September	322
		October	368
<u>Lamp Size (Lumens)</u>	<u>Rating (Watts)</u>	November	387
		December	417
<u>H. P. Sodium</u>			
5,800	70		
9,500	120		
16,000	202		
25,500	307		
50,000	482		
140,000	1000		
<u>Mercury Vapor</u>			
3,300	127		
6,800	207		
11,000	294		
20,000	455		
42,000	700		
54,000	1080		
<u>Metal Halide</u>			
34,000	450		
100,000	1100		

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MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 59  
 CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 59

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 6(M)  
STREET AND OUTDOOR AREA LIGHTING - CUSTOMER-OWNED

**\* MONTHLY RATE FOR METERED SERVICE**

Customer Charge Per Meter \$6.97 per month  
 Energy Charge 4.72¢ per kWh

**\* RATE PER UNIT PER MONTH FOR UNMETERED SERVICE**

<u>H.P. Sodium</u>	<u>Energy &amp; Maintenance(1)</u>	<u>Energy Only(2)</u>
9,500 Lumens, Standard	\$3.80	\$ 1.84
25,500 Lumens, Standard	\$6.61	\$ 4.70
50,000 Lumens, Standard	\$9.54	\$ 7.39
<u>Metal Halide</u>		
5,500 Lumens, Standard	\$5.49	N/A
12,900 Lumens, Standard	\$6.57	N/A
<u>Mercury Vapor</u> <span style="float: right;"><u>(3)</u></span>		
3,300 Lumens, Standard	\$3.80	\$ 1.95
6,800 Lumens, Standard	\$4.94	\$ 3.17
11,000 Lumens, Standard	\$ 6.69	\$ 4.51
20,000 Lumens, Standard	\$ 8.87	\$ 6.96
54,000 Lumens, Standard	\$18.93	\$16.57
<u>Light Emitting Diodes (LED)</u>		
Energy Charge - per rated wattage per month		1.59¢

- \*(1) Company will furnish electric energy, furnish and replace lamps, and adjust and replace control mechanisms, as required. In conjunction with the Company's conversion of its Company-Owned lights to LED, Company anticipates eliminating 6(M) Energy & Maintenance service in the future but not prior to 6/1/2022. Customers remaining on Energy & Maintenance at that time will be transitioned to Energy Only service.
  - (2) Limited to lamps served under contracts initiated prior to September 27, 1988.
  - (3) Maintenance of lamps and fixtures limited to customers served under contracts prior to November 15, 1991.
- N/A Not Available.

Term of Contract One (1) year, terminable thereafter on three (3) days' notice.

Discount For Franchised Municipal Customers A 10% discount will be applied to bills rendered for lighting facilities served under the above rates and currently contracted for by municipalities with whom the Company has an ordinance granted electric franchise as of September 27, 1988. The above discount shall only apply for the duration of said franchise.

\* Indicates Change.

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 NAME OF OFFICER TITLE ADDRESS

**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 59.1

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 59.1

APPLYING TO MISSOURI SERVICE AREA

**SERVICE CLASSIFICATION NO. 6(M)**  
**STREET AND OUTDOOR AREA LIGHTING - CUSTOMER-OWNED (Cont'd.)**

Discount For Franchised Municipal Customers (Cont'd.) Thereafter, the above discount shall apply only when the following two conditions are met: 1) any initial or subsequent ordinance granted electric franchise must be for a minimum term of twenty (20) years and 2) Company must have a contract for all lighting facilities for municipal lighting service provided by Company in effect.

Fuel and Purchased Power Adjustment (Rider FAC) The kilowatt-hours for lighting service provided under the terms of this Service Classification shall be subject to the provisions of Company's Fuel and Purchased Power Adjustment Clause (Rider FAC). The kilowatt-hour consumption of each lamp, whose operating hours are determined by a photoelectric control, shall be determined from the manufacturer's rated wattage multiplied by the number of hours of operation for the month, in accordance with the following schedules:

<u>Lamp Size</u> <u>(Lumens)</u>	<u>Rating</u> <u>(Watts)</u>	<u>Billing</u> <u>Month</u>	<u>Burning</u> <u>Hours</u>
<u>*H. P. Sodium</u>			
9,500	120	January	408
25,500	307	February	347
50,000	482	March	346
		April	301
		May	279
		June	255
<u>*Mercury Vapor</u>			
3,300	127	July	272
6,800	207	August	298
11,000	294	September	322
20,000	455	October	368
54,000	1080	November	387
		December	417
<u>Metal Halide</u>			
5,500	122		
12,900	206		

\*Light Emitting Diodes (LED)

Based on the rated wattage of individual customer lights.

\*\* Payments Bills are due and payable within twenty-one (21) days from date of bill and become delinquent thereafter.

Tax Adjustment Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

\* Indicates Change. \*\*Indicates Addition.

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MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 59.3CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 59.3APPLYING TO MISSOURI SERVICE AREASERVICE CLASSIFICATION NO. 6 (M)STREET AND OUTDOOR AREA LIGHTING - CUSTOMER-OWNED (Cont'd.)**3. GENERAL PROVISIONS (Cont'd.)**

- e. Customer shall furnish to Company, without cost to Company and on forms suitable to it, or customer shall reimburse Company for all costs incurred in obtaining all rights, permits and easements necessary to permit the installation and maintenance of Company's facilities on, over, under and across both public and private property where and as needed by Company in providing service hereunder.
- f. Customer shall notify Company immediately if any changes are made in customer's installation.
- g. Company may refuse to make the initial connection or may discontinue service to any installation if there is any engineering, construction, safety, legal or practical reason for doing so.
- h. In case of destruction or damage of customer's property hereunder due to highway accidents, storm damage or other similar causes or where replacement of equipment other than as provided above is required, Company, upon receipt of either written or verbal instructions from customer, may at its option, effect the necessary repairs or replacement of the damaged equipment to place it in normal operating condition. Such repairs will be made with parts supplied by customer or, where applicable, with suitable standard items carried in Company stores. Customer shall reimburse Company for such work at the Company's current Productive man-hour rate including applicable overhead for all labor expended and 1.2 times all direct costs or charges incurred by Company for all materials and any related items. All charges and payments hereunder shall be in addition to the monthly charge for normal maintenance.
- \*i. For unmetered service, Company shall have the right to verify or audit the type and/or rated wattage of lights installed.

**\* 4. LIMITED LED CONVERSION OPTION AND GRANDFATHERING PROVISION**

Customer-owned horizontal enclosed or open bottom lights which were installed on Company distribution poles and billed under this Service Classification on or before April 1, 2017 are eligible for participation in a LED lighting conversion program.

If customer elects this LED conversion option, the Company will replace existing fixtures, upon failure of the bulb, and/or the lighting fixture or apparatus with an equivalent LED fixture. The Company will install, own and operate and maintain the LED fixture, mast, and wiring. Customer shall continue to receive service under this Service Classification 6(M) subject to being billed the following applicable monthly charges:

\* Indicates Addition.

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MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 59.4

CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_ SHEET NO. \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREA

**SERVICE CLASSIFICATION NO. 6 (M)**

**STREET AND OUTDOOR AREA LIGHTING - CUSTOMER-OWNED (Cont'd.)**

**\* 4. LIMITED LED CONVERSION OPTION AND GRANDFATHERING PROVISION (Cont'd.)**

The monthly unmetered energy-only 6(M) LED rate plus,  
 \$2.76 per month for a 100 watt equivalent LED fixture;  
 \$3.58 per month for a 250 watt equivalent LED fixture;  
 \$6.32 per month for a 400 watt equivalent LED fixture.

In addition, all other applicable charges under this Service Classification 6(M) shall apply.

If customer requests, in writing, the termination of all or a portion of converted LEDs under this provision within ten years of the installation of the LED being terminated, customer shall pay in advance to Company \$100.00 per fixture for both the removal costs associated therewith and the loss of the remaining life value of such facilities. If said request for termination is made after the above ten year in-service period, and customer requests a new lighting installation within twelve months after the removal of the prior terminated lighting facilities, customer shall pay the amount specified earlier in this paragraph for all facilities previously removed prior to Company making any new lighting installation.

**\*\* 5. GENERAL RULES AND REGULATIONS**

In addition to the above specific rules and regulations, all of Company's General Rules and Regulations shall apply to service supplied under this Service Classification.

\* Indicates Addition. \*\* Indicates Reissue.

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 61
CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 61

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 11(M)
LARGE PRIMARY SERVICE RATE

\*RATE BASED ON MONTHLY METER READINGS

Table with 2 columns: Description and Rate. Includes Summer Rate (Applicable during 4 monthly billing periods of June through September) with charges for Customer Charge, Low-Income Pilot Program Charge, Energy Charge, Demand Charge, Reactive Charge, and Energy Efficiency Program Charge.

Table with 2 columns: Description and Rate. Includes Winter Rate (Applicable during 8 monthly billing periods of October through May) with charges for Customer Charge, Low-Income Pilot Program Charge, Energy Charge, Demand Charge, Reactive Charge, and Energy Efficiency Program Charge.

(1) Not applicable to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo.

Optional Time-of-Day Adjustments

Table with 3 columns: Description, On-Peak Hours(2), and Off-Peak Hours(2). Includes Additional Customer Charge and Energy Adjustment for Summer kWh and Winter kWh.

(2) On-peak and off-peak hours applicable herein shall be as specified within this service classification.

\* Indicates Change.

**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 61.1

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 61.1

APPLYING TO MISSOURI SERVICE AREA

**SERVICE CLASSIFICATION NO. 11(M)**  
**LARGE PRIMARY SERVICE RATE (Cont'd.)**

**RATE BASED ON MONTHLY METER READINGS (Cont'd.)**

Fuel and Purchased Power Adjustment (Rider FAC). Applicable to all metered kilowatt-hours (kWh) of energy.

Energy Efficiency Investment Charge (Rider EEIC). Applicable to all metered kilowatt-hours (kWh) of energy excluding kWh of energy supplied to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo.

\* Payments. Bills are due and payable within twenty-one (21) days from date of bill and become delinquent thereafter.

Term of Use. One (1) year, terminable thereafter on three (3) days' notice.

Tax Adjustment. Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

\* Indicates Change.

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**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 62  
 CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 62

APPLYING TO MISSOURI SERVICE AREA

**SERVICE CLASSIFICATION NO. 12(M)**  
**LARGE TRANSMISSION SERVICE RATE**

**\*RATE BASED ON MONTHLY METER READINGS**

Summer Rate (Applicable during four (4) monthly billing periods of June through September)

Customer Charge - per month	\$323.82
Low-Income Pilot Program Charge - per month	\$1,500.00
Demand Charge - per kW of Billing Demand	\$15.55
Energy Charge - per kWh	2.953¢
Reactive Charge - per kVar	38.000¢

Winter Rate (Applicable during eight (8) monthly billing periods of October through May)

Customer Charge - per month	\$323.82
Low-Income Pilot Program Charge - per month	\$1,500.00
Demand Charge - per kW of Billing Demand	\$5.94
Energy Charge - per kWh	2.600¢
Reactive Charge - per kVar	38.000¢

Optional Time-of-Day Adjustments

Additional Customer Charge - per month	\$ 21.08	
Energy Adjustment - per kWh	<u>On-Peak</u>	<u>Off-Peak</u>
	<u>Hours(1)</u>	<u>Hours(1)</u>
Summer kWh (June-September Billing Periods)	+0.68¢	-0.38¢
Winter kWh (October-May Billing Periods)	+0.31¢	-0.17¢

(1) On-peak and off-peak hours applicable herein shall be as specified within this service classification.

\*Fuel and Purchased Power Adjustment (Rider FAC) Applicable to all metered kilowatt-hours (kWh) of energy plus energy line losses from use of a transmission system other than Company's, if any.

Energy Efficiency Investment Charge (Rider EEIC) Applicable to all metered kilowatt-hours (kWh) of energy excluding kWh of energy supplied to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo.

\*Energy Line Loss Rate Compensation for customer's energy line losses from use of the transmission system(s) outside Company's control area shall be in the form of energy solely supplied by Company to the transmission owner(s) and compensated by payment at a monthly rate of \$0.0399 per kWh after appropriate Rider C adjustment of meter readings.

\* Indicates Change.

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**LARGE TRANSMISSION SERVICE RATE (Cont'd.)****\* 3. PAYMENTS**

Bills are due and payable within twenty-one (21) days from date of bill and become delinquent thereafter.

**4. CONTRACT TERM**

A customer taking service under this rate shall agree to an initial Contract Term of 15 years. The Contract Term shall be extended in one-year increments unless or until the contract is terminated at the end of the Contract Term or any annual extension thereof by a written notice of termination given by either party or received not later than five years prior to the date of termination. During the Contract Term, a customer taking service under this rate agrees that Company shall be the exclusive supplier of power and energy to customer's premises, and waives any right or entitlement by virtue of any law, including but not limited to Section 91.026 RSMo as it now exists or as amended from time to time, statute, rule, regulation, or tariff, to purchase, acquire or take delivery of power and energy from any other person or entity.

**5. TAX ADJUSTMENT**

Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

**6. RATE APPLICATION**

This rate shall be applicable, at customer's request, to any customer that 1) meets the Rate Application conditions of the Large Primary Service rate, 2) can demonstrate to Company's satisfaction that such energy was routinely consumed at a load factor of 95% or higher or that customer will, in the ordinary course of its operations, operate at a similar load factor, 3) if necessary, arranges and pays for transmission service for the delivery of electricity over the transmission facilities of a third party, 4) does not require use of Company's distribution system or distribution arrangements that are provided by Company at Company's cost, excepting Company's metering equipment, for service to customer, and 5) meets all other required terms and conditions of the rate.

**7. CHARACTER OF SERVICE SUPPLIED**

Company will supply a standard three-phase alternating current transmission service voltage. The appropriate adjustments under Rider C will apply; however, there will be no adjustments under Rider B.

\* Indicates Change.

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**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6

1st Revised

SHEET NO. 62.5

CANCELLING MO.P.S.C. SCHEDULE NO. 6

Original

SHEET NO. 62.5

APPLYING TO MISSOURI SERVICE AREA

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\* THIS SHEET RESERVED FOR FUTURE USE

\* Indicates Change.

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**UNION ELECTRIC COMPANY**

**ELECTRIC SERVICE**

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 63  
 CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 63

APPLYING TO MISSOURI SERVICE AREA

**MISCELLANEOUS CHARGES**

A. Reconnection Charges per Connection Point

Sheet No. 79, Par. B-3 (Annually Recurring Service) \$30.00  
 Sheet No. 145, Par. I (Reconnection of Service) \$30.00

\* B. Supplementary Service Minimum Monthly Charges

Sheet No. 78, Par. C-3

Charges applicable during 4 monthly  
billing periods of June through September Primary Service Rate

Customer Charge per month, plus \$323.82  
 Low-Income Pilot Program Charge - per month \$61.10  
 All kW @ \$21.16

Charges applicable during 8 monthly  
billing periods of October through May Primary Service Rate

Customer Charge per month, plus \$323.82  
 Low-Income Pilot Program Charge - per month \$61.10  
 All kW @ \$9.61

C. Service Call Charge

Customer's reporting service problems may be charged a \$50.00 fee for a service call, if it is determined the problem is within the customer's electrical system.

Tax Adjustment Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

\* Indicates Change.

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MO.P.S.C. SCHEDULE NO. 62nd RevisedSHEET NO. 70CANCELLING MO.P.S.C. SCHEDULE NO. 61st RevisedSHEET NO. 70APPLYING TO MISSOURI SERVICE AREATABLE OF CONTENTSRIDERS

<u>RIDER</u>		<u>SHEET NO.</u>
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RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE

\*(Applicable To Service Provided Between May 30, 2015 And The Day Before The Effective Date Of This Tariff)

APPLICABILITY

This rider is applicable to kilowatt-hours (kWh) of energy supplied to customers served by the Company under Service Classification Nos. 1(M), 2(M), 3(M), 4(M), 5(M), 6(M), 11(M), 12(M), and 13(M).

Costs passed through this Fuel and Purchased Power Adjustment Clause (FAC) reflect differences between actual fuel and purchased power costs, including transportation and emissions costs and revenues, net of off-system sales revenues (OSSR) (i.e., Actual Net Energy Costs (ANEC)) and Net Base Energy Costs (B), calculated and recovered as provided for herein.

The Accumulation Periods and Recovery Periods are as set forth in the following table:

<u>Accumulation Period (AP)</u>	<u>Recovery Period (RP)</u>
February through May	October through May
June through September	February through September
October through January	June through January

AP means the four (4) calendar months during which the actual costs and revenues subject to this rider will be accumulated for the purposes of determining the Fuel Adjustment Rate (FAR).

RP means the billing months during which the FAR is applied to retail customer usage on a per kWh basis, as adjusted for service voltage.

The Company will make a FAR filing no later than sixty (60) days prior to the first billing cycle read date of the applicable Recovery Period above. All FAR filings shall be accompanied by detailed workpapers supporting the filing in an electronic format with all formulas intact.

FAR DETERMINATION

Ninety five percent (95%) of the difference between ANEC and B for each respective AP will be utilized to calculate the FAR under this rider pursuant to the following formula with the results stated as a separate line item on the customers' bills.

\*Indicates Change.

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\*(Applicable To Service Provided Between May 30, 2015 And The Day Before The Effective Date Of This Tariff)

FAR DETERMINATION (Cont'd.)

For each FAR filing made, the FAR<sub>RP</sub> is calculated as:

$$FAR_{RP} = [(ANEC - B) \times 95\% \pm I \pm P \pm T] / S_{RP}$$

Where:

ANEC = FC + PP + E - OSSR

FC = Fuel costs and revenues associated with the Company's generating plants. These consist of the following:

1. For fossil fuel plants:

- A. the following costs and revenues (including applicable taxes) reflected in Federal Energy Regulatory Commission (FERC) Account 501 for: coal commodity, gas, alternative fuels, fuel additives, Btu adjustments assessed by coal suppliers, quality adjustments related to the sulfur content of coal assessed by coal suppliers, railroad transportation, switching and demurrage charges, railcar repair and inspection costs, railcar depreciation, railcar lease costs, similar costs associated with other applicable modes of transportation, fuel hedging costs, fuel oil adjustments included in commodity and transportation costs, oil costs, ash disposal costs and revenues, and revenues and expenses resulting from fuel and transportation portfolio optimization activities; and
- B. the following costs and revenues reflected in FERC Account 502 for: consumable costs related to Air Quality Control System (AQCS) operation, such as urea, limestone and powder activated carbon; and
- C. the following costs and revenues reflected in FERC Account 547, excluding fuel costs related to the Company's landfill gas generating plant known as Maryland Heights Energy Center. Such costs and revenues include natural gas generation costs related to commodity, oil, transportation, storage, capacity reservation, fuel losses, hedging, and revenues and expenses resulting from fuel and transportation portfolio optimization activities; and

2. The following costs and revenues in FERC Account 518 (Nuclear Fuel Expense) for: nuclear fuel commodity expense, waste disposal expense, and nuclear fuel hedging costs.

PP = Purchased power costs and revenues and consists of the following:

1. The following costs and revenues for purchased power reflected in FERC Account 555, excluding all charges under Midwest Independent Transmission System Operator, Inc. ("MISO") Schedules 10, 16, 17 and 24 (or any successor to those MISO Schedules), and excluding generation capacity charges for contracts with terms in excess of one (1) year. Such costs and revenues include:

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\*(Applicable To Service Provided Between May 30, 2015 And The Day Before The Effective Date Of This Tariff)

FAR DETERMINATION (Cont'd.)

- A. MISO costs or revenues for MISO's energy and operating reserve market settlement charge types and capacity market settlement clearing costs or revenues associated with:
- i. Energy;
  - ii. Losses;
  - iii. Congestion management:
    - a. Congestion;
    - b. Financial Transmission Rights; and
    - c. Auction Revenue Rights;
  - iv. Generation capacity acquired in MISO's capacity auction or market; provided such capacity is acquired for a term of one (1) year or less;
  - v. Revenue sufficiency guarantees;
  - vi. Revenue neutrality uplift;
  - vii. Net inadvertent energy distribution amounts;
  - viii. Ancillary Services:
    - a. Regulating reserve service (MISO Schedule 3, or its successor);
    - b. Energy imbalance service (MISO Schedule 4, or its successor);
    - c. Spinning reserve service (MISO Schedule 5, or its successor);and
    - d. Supplemental reserve service (MISO Schedule 6, or its successor); and
  - ix. Demand response:
    - a. Demand response allocation uplift; and
    - b. Emergency demand response cost allocation (MISO Schedule 30, or its successor);
- B. Non-MISO costs or revenues as follows:
- i. If received from a centrally administered market (e.g. PJM/SPP), costs or revenues of an equivalent nature to those identified for the MISO costs or revenues specified in subpart A of part 1 above;
  - ii. If not received from a centrally administered market:
    - a. Costs for purchases of energy; and
    - b. Costs for purchases of generation capacity, provided such capacity is acquired for a term of one (1) year or less; and

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MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 73.3CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 73.3APPLYING TO MISSOURI SERVICE AREARIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

\*(Applicable To Service Provided Between May 30, 2015 And The Day Before The Effective Date Of This Tariff)

FAR DETERMINATION (Cont'd.)

- C. Realized losses and costs (including broker commissions and fees) minus realized gains for financial swap transactions for electrical energy that are entered into for the purpose of mitigating price volatility associated with anticipated purchases of electrical energy for those specific time periods when the Company does not have sufficient economic energy resources to meet its native load obligations, so long as such swaps are for up to a quantity of electrical energy equal to the expected energy shortfall and for a duration up to the expected length of the period during which the shortfall is expected to exist; and
2. Three and one-half percent (3.5%) of the transmission service costs reflected in FERC Account 565. Such transmission service costs include:
- A. MISO costs and revenues associated with:
- i. network transmission service (MISO Schedule 9 or its successor);
  - ii. point-to-point transmission service (MISO Schedules 7 and 8 or their successors);
  - iii. System control and dispatch, (MISO Schedule 1 or its successor);
  - iv. Reactive supply and voltage control (MISO Schedule 2 or its successor);
  - v. MISO Schedule 11 or its successor;
  - vi. MISO Schedules 26, 26A, 37 and 38 or their successors; and
  - vii. MISO Schedule 33;
  - viii. MISO Schedules 41, 42-A, 42-B, 45 and 47;
- B. Non-MISO costs associated with:
- i. network transmission service;
  - ii. point-to-point transmission service;
  - iii. System control and dispatch; and
  - iv. Reactive supply and voltage control.

\*Indicates Change.

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MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 73.4CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 73.4APPLYING TO MISSOURI SERVICE AREARIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

\*(Applicable To Service Provided Between May 30, 2015 And The Day Before The Effective Date Of This Tariff)

FAR DETERMINATION (Cont'd.)

E = Costs and revenues for SO<sub>2</sub> and NO<sub>x</sub> emissions allowances in FERC Accounts 411.8, 411.9, and 509, including those associated with hedging.

OSSR = Costs and revenues in FERC Account 447 for:

1. Capacity;
2. Energy;
3. Ancillary services, including:
  - A. Regulating reserve service (MISO Schedule 3, or its successor);
  - B. Energy Imbalance Service (MISO Schedule 4, or its successor);
  - C. Spinning reserve service (MISO Schedule 5, or its successor); and
  - D. Supplemental reserve service (MISO Schedule 6, or its successor);
4. Make-whole payments, including:
  - A. Price volatility; and
  - B. Revenue sufficiency guarantee; and
5. Hedging.

Adjustment For Reduction of Service Classification 12(M) or 13(M) Billing Determinants:

Should the level of monthly billing determinants under Service Classifications 12(M) or 13(M) fall below the level of normalized 12(M) or 13(M) monthly billing determinants as established in Case No. ER-2014-0258, an adjustment to OSSR shall be made in accordance with the following levels:

- a) A reduction of less than 40,000,000 kWh in a given month
  - No adjustment will be made to OSSR.
- b) A reduction of 40,000,000 kWh or greater in a given month
  - An adjustment excluding off-system sales revenue from OSSR will be made equal to the lesser of (1) all off-system sales revenues derived from all kWh of energy sold off-system due to the entire reduction, or (2) off-system sales revenues up to the reduction of 12(M) or 13(M) revenues compared to normalized 12(M) or 13(M) revenues as determined in Case No. ER-2014-0258.

\* Indicates Change.

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MO.P.S.C. SCHEDULE NO. 61st RevisedSHEET NO. 73.5CANCELLING MO.P.S.C. SCHEDULE NO. 6OriginalSHEET NO. 73.5

APPLYING TO

MISSOURI SERVICE AREARIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

\*(Applicable To Service Provided Between May 30, 2015 And The Day Before The Effective Date Of This Tariff)

FAR DETERMINATION (Cont'd.)

For purposes of factors FC, E, and OSSR, "hedging" is defined as realized losses and costs (including broker commissions and fees associated with the hedging activities) minus realized gains associated with mitigating volatility in the Company's cost of fuel, off-system sales and emission allowances, including but not limited to, the Company's use of futures, options and over-the-counter derivatives including, without limitation, futures contracts, puts, calls, caps, floors, collars, and swaps.

Costs and revenues not specifically detailed in Factors FC, PP, E, or OSSR shall not be included in the Company's FAR filings; provided however, in the case of Factors PP or OSSR the market settlement charge types under which MISO or another centrally administered market (e.g., PJM or SPP) bills/credits a cost or revenue need not be detailed in Factors PP or OSSR for the costs or revenues to be considered specifically detailed in Factors PP or OSSR; and provided further, should the MISO or another centrally administered market (e.g. PJM or SPP) implement a market settlement charge type or schedule not listed in the FAC Charge Type Exhibit filed with the Commission in File No. ER-2014-0258 on May 6, 2015 (a "new charge type"):

- A. The Company may include the new charge type cost or revenue in its FAR filings if the Company believes the new charge type cost or revenue possesses the characteristics of, and is of the nature of, the costs or revenues listed in factors PP or OSSR, as the case may be, subject to the requirement that the Company make a filing with the Commission as outlined in B below and also subject to another party's right to challenge the inclusion as outlined in E. below;
- B. The Company will make a filing with the Commission giving the Commission notice of the new charge type no later than 60 days prior to the Company including the new charge type cost or revenue in a FAR filing. Such filing shall identify the proposed accounts affected by such change, provide a description of the new charge type demonstrating that it possesses the characteristics of, and is of the nature of, the costs or revenues listed in factors PP or OSSR as the case may be, and identify the preexisting market settlement charge type(s) which the new charge type replaces or supplements;
- C. The Company will also provide notice in its monthly reports required by the Commission's fuel adjustment clause rules that identifies the new charge type costs or revenues by amount, description and location within the monthly reports;
- D. The Company shall account for the new charge type costs or revenues in a manner which allows for the transparent determination of current period and cumulative costs or revenues; and

\* Indicates Change.

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TITLESt. Louis, Missouri  
ADDRESS

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APPLYING TO

MISSOURI SERVICE AREARIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

\*(Applicable To Service Provided Between May 30, 2015 And The Day Before The Effective Date Of This Tariff)

FAR DETERMINATION (Cont'd.)

- E. If the Company makes the filing provided for in B above and a party challenges the inclusion, such challenge will not delay approval of the FAR filing. To challenge the inclusion of a new charge type, a party shall make a filing with the Commission based upon that party's contention that the new charge type costs or revenues at issue should not have been included, because they do not possess the characteristics of the costs or revenues listed in Factors PP or OSSR, as the case may be. A party wishing to challenge the inclusion of a charge type shall include in its filing the reasons why it believes the Company did not show that the new charge type possesses the characteristics of the costs or revenues listed in Factors PP or OSSR, as the case may be, and its filing shall be made within 30 days of the Company's filing under B above. In the event of a timely challenge, the Company shall bear the burden of proof to support its decision to include a new charge type in a FAR filing. Should such challenge be upheld by the Commission, any such costs will be refunded (or revenues retained) through a future FAR filing in a manner consistent with that utilized for Factor P; and
- F. A party other than the Company may seek the inclusion of a new charge type in a FAR filing by making a filing with the Commission no less than 60 days before the Company's next FAR filing. Such a filing shall give the Commission notice that such party believes the new charge type should be included because it possesses the characteristics of, and is of the nature of, the costs or revenues listed in factors PP or OSSR, as the case may be. The party's filing shall identify the proposed accounts affected by such change, provide a description of the new charge type demonstrating that it possesses the characteristics of, and is of the nature of, the costs or revenues listed in factors PP or OSSR as the case may be, and identify the preexisting market settlement charge type(s) which the new charge type replaces or supplements. If a party makes the filing provided for by this paragraph F and a party (including the Company) challenges the inclusion, such challenge will not delay inclusion of the new charge type in the FAR filing or delay approval of the FAR filing. To challenge the inclusion of a new charge type, the challenging party shall make a filing with the Commission based upon that party's contention that the new charge type costs or revenues at issue should not have been included, because they do not possess the characteristics of the costs or revenues listed in Factors PP or OSSR, as the case may be. The challenging party shall make its filing challenging the inclusion and stating the reasons why it believes the new charge type does not possess the characteristic of the costs or revenues listed in Factors PP or OSSR, as the case may be, within 30 days of the

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APPLYING TO

MISSOURI SERVICE AREARIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

\*(Applicable To Service Provided Between May 30, 2015 And The Day Before The Effective Date Of This Tariff)

FAR DETERMINATION (Cont'd.)

filing that seeks inclusion of the new charge type. In the event of a timely challenge, the party seeking the inclusion of the new charge type shall bear the burden of proof to support its contention that the new charge type should be included in the Company's FAR filings. Should such challenge be upheld by the Commission, any such costs will be refunded (or revenues retained) through a future FAR filing in a manner consistent with that utilized for Factor P.

Should FERC require any item covered by factors FC, PP, E or OSSR to be recorded in an account different than the FERC accounts listed in such factors, such items shall nevertheless be included in factor FC, PP, E or OSSR. In the month that the Company begins to record items in a different account, the Company will file with the Commission the previous account number, the new account number and what costs or revenues that flow through this Rider FAC are to be recorded in the account.

$$B = BF \times S_{AP}$$

BF = The Base Factor, which is equal to the normalized value for the sum of allowable fuel costs (consistent with the term FC), plus cost of purchased power (consistent with the term PP), and emissions costs and revenues (consistent with the term E), less revenues from off-system sales (consistent with the term OSSR) divided by corresponding normalized retail kWh as adjusted for applicable losses. The normalized values referred to in the prior sentence shall be those values used to determine the revenue requirement in the Company's most recent rate case. The BF applicable to June through September calendar months ( $BF_{SUMMER}$ ) is \$0.01796 per kWh. The BF applicable to October through May calendar months ( $BF_{WINTER}$ ) is \$0.01729 per kWh.

$S_{AP}$  = kWh during the AP that ended immediately prior to the FAR filing, as measured by taking the most recent kWh data for the retail component of the Company's load settled at its MISO CP node (AMMO.UE or successor node), plus the kWh reductions up to the kWh of energy sold off-system associated with the 12(M) or 13(M) OSSR adjustment above plus the metered net energy output of any generating station operating within its certificated service territory as a behind the meter resource in MISO, the output of which served to reduce the Company's load settled at its MISO CP node (AMMO.UE or successor node).

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\*(Applicable To Service Provided Between May 30, 2015 And The Day Before The Effective Date Of This Tariff)

FAR DETERMINATION (Cont'd.)

- $S_{RP}$  = Applicable RP estimated kWh representing the expected retail component of the Company's load settled at its MISO CP node (AMMO.UE or successor node) plus the metered net energy output of any generating station operating within its certificated service territory as a behind the meter resource in MISO, the output of which served to reduce the Company's load settled at its MISO CP node (AMMO.UE or successor node).
- I = Interest applicable to (i) the difference between ANEC and B for all kWh of energy supplied during an AP until those costs have been recovered; (ii) refunds due to prudence reviews ("P"), if any; and (iii) all under- or over-recovery balances created through operation of this FAC, as determined in the true-up filings ("T") provided for herein. Interest shall be calculated monthly at a rate equal to the weighted average interest rate paid on the Company's short-term debt, applied to the month-end balance of items (i) through (iii) in the preceding sentence.
- P = Prudence disallowance amount, if any, as defined below.
- T = True-up amount as defined below.

The FAR, which will be multiplied by the Voltage Adjustment Factors (VAF) set forth below is calculated as:

$$FAR = FAR_{RP} + FAR_{(RP-1)}$$

where:

- FAR = Fuel Adjustment Rate applied to retail customer usage on a per kWh basis starting with the applicable Recovery Period following the FAR filing.
- $FAR_{RP}$  = FAR Recovery Period rate component calculated to recover under- or over-collection during the Accumulation Period that ended immediately prior to the applicable filing.
- $FAR_{(RP-1)}$  = FAR Recovery Period rate component for the under- or over-collection during the Accumulation Period immediately preceding the Accumulation Period that ended immediately prior to the application filing for  $FAR_{RP}$ .

\* Indicates Change.

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MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 73.9

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 73.9

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

\*(Applicable To Service Provided Between May 30, 2015 And The Day Before The Effective Date Of This Tariff)

FAR DETERMINATION (Cont'd.)

The Initial Rate Component For the Individual Service Classifications shall be determined by multiplying the FAR in accordance with the foregoing by the following Voltage Adjustment Factors (VAF):

Secondary Voltage Service (VAF <sub>SEC</sub> )	1.0575
Primary Voltage Service (VAF <sub>PRI</sub> )	1.0252
Transmission Voltage Service (VAF <sub>TRAN</sub> )	0.9917

Customers served by the Company under Service Classification No. 13(M), Industrial Aluminum Smelter (IAS) Service shall be capped such that their FAR<sub>IAS</sub>, adjusted for applicable voltage service, does not exceed \$0.00200/kWh, with FAR<sub>IAS</sub> to be determined as follows:

FAR<sub>IAS</sub> = the lesser of \$0.00200/kWh or the Initial Rate Component For Transmission Customers

Where the Initial Rate Component for Transmission Customers is greater than \$0.00200/kWh, then a Per kWh FAR Shortfall Adder shall apply to each of the respective Initial Rate Components to be determined as follows:

Per kWh FAR Shortfall Adder = (((Initial Rate Component For Transmission Customers - FAR<sub>IAS</sub>) x S<sub>IAS</sub>) / (S<sub>RP</sub> - S<sub>RP-IAS</sub>))

Where:

S<sub>IAS</sub> = Estimated Recovery Period IAS kWh sales at the retail meter  
 S<sub>RP-IAS</sub> = Estimated Recovery Period IAS kwh sales at the Company's MISO CP Node (AMMO.UE or successor node)

The FAR Applicable to the Individual Service Classifications shall be determined as follows:

FAR<sub>SEC</sub> = Initial Rate Component For Secondary Customers + (Per kWh FAR Shortfall Adder x VAF<sub>SEC</sub>)

FAR<sub>PRI</sub> = Initial Rate Component For Primary Customers + (Per kWh FAR Shortfall Adder x VAF<sub>PRI</sub>)

FAR<sub>TRAN</sub> = Initial Rate Component For Transmission Customers + (Per kWh FAR Shortfall Adder x VAF<sub>TRAN</sub>)

The FAR applicable to the individual Service Classifications shall be rounded to the nearest \$0.00001 to be charged on a \$/kWh basis for each applicable kWh billed.

TRUE-UP

After completion of each RP, the Company shall make a true-up filing on the same day as its FAR filing. Any true-up adjustments shall be reflected in T above. Interest on the true-up adjustment will be included in I above.

\*Indicates Change.

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APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

\*(Applicable To Service Provided Between May 30, 2015 And The Day Before The Effective Date Of This Tariff)

TRUE-UP (Cont'd.)

The true-up adjustments shall be the difference between the revenues billed and the revenues authorized for collection during the RP.

GENERAL RATE CASE/PRUDENCE REVIEWS

The following shall apply to this FAC, in accordance with Section 386.266.4, RSMo. and applicable Missouri Public Service Commission Rules governing rate adjustment mechanisms established under Section 386.266, RSMo:

The Company shall file a general rate case with the effective date of new rates to be no later than four years after the effective date of a Commission order implementing or continuing this FAC. The four-year period referenced above shall not include any periods in which the Company is prohibited from collecting any charges under this FAC, or any period for which charges hereunder must be fully refunded. In the event a court determines that this FAC is unlawful and all moneys collected hereunder are fully refunded, the Company shall be relieved of the obligation under this FAC to file such a rate case.

Prudence reviews of the costs subject to this FAC shall occur no less frequently than every eighteen months, and any such costs which are determined by the Commission to have been imprudently incurred or incurred in violation of the terms of this rider shall be returned to customers. Adjustments by Commission order, if any, pursuant to any prudence review shall be included in the FAR calculation in P above unless a separate refund is ordered by the Commission. Interest on the prudence adjustment will be included in I above.

\* Indicates Change.

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RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

APPLICABILITY

\*This rider is applicable to kilowatt-hours (kWh) of energy supplied to customers served by the Company under Service Classification Nos. 1(M), 2(M), 3(M), 4(M), 5(M), 6(M), 11(M), and 12(M).

Costs passed through this Fuel and Purchased Power Adjustment Clause (FAC) reflect differences between actual fuel and purchased power costs, including transportation and emissions costs and revenues, net of off-system sales revenues (OSSR) (i.e., Actual Net Energy Costs (ANEC)) and Net Base Energy Costs (B), calculated and recovered as provided for herein.

The Accumulation Periods and Recovery Periods are as set forth in the following table:

<u>Accumulation Period (AP)</u>	<u>Recovery Period (RP)</u>
February through May	October through May
June through September	February through September
October through January	June through January

AP means the four (4) calendar months during which the actual costs and revenues subject to this rider will be accumulated for the purposes of determining the Fuel Adjustment Rate (FAR).

RP means the billing months during which the FAR is applied to retail customer usage on a per kWh basis, as adjusted for service voltage.

The Company will make a FAR filing no later than sixty (60) days prior to the first billing cycle read date of the applicable Recovery Period above. All FAR filings shall be accompanied by detailed workpapers supporting the filing in an electronic format with all formulas intact.

FAR DETERMINATION

Ninety five percent (95%) of the difference between ANEC and B for each respective AP will be utilized to calculate the FAR under this rider pursuant to the following formula with the results stated as a separate line item on the customers' bills.

\*Indicates Change.

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CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_ SHEET NO. \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREARIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And  
Thereafter)FAR DETERMINATION (Cont'd.)For each FAR filing made, the FAR<sub>RP</sub> is calculated as:

$$FAR_{RP} = [(ANEC - B) \times 95\% \pm I \pm P \pm T] / S_{RP}$$

Where:

\* ANEC = FC + PP + E ± R - OSSR

\* FC = Fuel costs and revenues associated with the Company's generating plants that are listed in Federal Energy Regulatory Commission ("FERC") Account 151 and recorded in FERC Accounts 501 or 547, and all costs and revenues that are recorded in FERC Account 518. These include the following:

1. For fossil fuel plants:

\*A. the following costs and revenues (including applicable taxes) arising from steam plant operations: coal commodity, gas, alternative fuels, Btu adjustments assessed by coal suppliers, quality adjustments related to the sulfur content of coal assessed by coal suppliers, railroad transportation, switching and demurrage charges, railcar repair and inspection costs, railcar depreciation, railcar lease costs, similar costs associated with other applicable modes of transportation, fuel hedging costs, fuel oil adjustments included in commodity and transportation costs, fuel additive costs included in commodity or transportation costs, oil costs, and expenses resulting from fuel and transportation portfolio optimization activities; and

\*B. the following costs and revenues (including applicable taxes) arising from non-steam plant operations: natural gas generation costs related to commodity, oil, transportation, storage, capacity reservation, fuel losses, hedging, and revenues and expenses resulting from fuel and transportation portfolio optimization activities, but excluding fuel costs related to the Company's landfill gas generating plant known as Maryland Heights Energy Center; and

\*2. The following costs and revenues (including applicable taxes) arising from nuclear plant operations: nuclear fuel commodity expense, waste disposal expense, and nuclear fuel hedging costs.

PP = Purchased power costs and revenues and consists of the following:

\*1. The following costs and revenues for purchased power reflected in FERC Account 555, excluding all charges under Midcontinent Independent System Operator, Inc. ("MISO") Schedules 10, 16, 17 and 24 (or any successor to those MISO Schedules), and excluding generation capacity charges for contracts with terms in excess of one (1) year. Such costs and revenues include:

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APPLYING TO MISSOURI SERVICE AREARIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

- A. MISO costs or revenues for MISO's energy and operating reserve market settlement charge types and capacity market settlement clearing costs or revenues associated with:
- i. Energy;
  - ii. Losses;
  - iii. Congestion management:
    - a. Congestion;
    - b. Financial Transmission Rights; and
    - c. Auction Revenue Rights;
  - iv. Generation capacity acquired in MISO's capacity auction or market; provided such capacity is acquired for a term of one (1) year or less;
  - v. Revenue sufficiency guarantees;
  - vi. Revenue neutrality uplift;
  - vii. Net inadvertent energy distribution amounts;
  - viii. Ancillary Services:
    - a. Regulating reserve service (MISO Schedule 3, or its successor);
    - b. Energy imbalance service (MISO Schedule 4, or its successor);
    - c. Spinning reserve service (MISO Schedule 5, or its successor); and
    - d. Supplemental reserve service (MISO Schedule 6, or its successor); and
  - ix. Demand response:
    - a. Demand response allocation uplift; and
    - b. Emergency demand response cost allocation (MISO Schedule 30, or its successor);
- B. Non-MISO costs or revenues as follows:
- i. If received from a centrally administered market (e.g. PJM/SPP), costs or revenues of an equivalent nature to those identified for the MISO costs or revenues specified in subpart A of part 1 above;
  - ii. If not received from a centrally administered market:
    - a. Costs for purchases of energy; and
    - b. Costs for purchases of generation capacity, provided such capacity is acquired for a term of one (1) year or less; and

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SHEET NO. \_\_\_\_\_

APPLYING TO \_\_\_\_\_

MISSOURI SERVICE AREARIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

- C. Realized losses and costs (including broker commissions and fees) minus realized gains for financial swap transactions for electrical energy that are entered into for the purpose of mitigating price volatility associated with anticipated purchases of electrical energy for those specific time periods when the Company does not have sufficient economic energy resources to meet its native load obligations, so long as such swaps are for up to a quantity of electrical energy equal to the expected energy shortfall and for a duration up to the expected length of the period during which the shortfall is expected to exist; and
- \*2. One and 71/100 percent (1.71%) of transmission service costs reflected in FERC Account 565 and one and 71/100 percent (1.71%) of transmission revenues reflected in FERC Account 456.1 (excluding costs or revenues under MISO Schedule 10, or any successor to that MISO Schedule). Such transmission service costs and revenues included in Factor PP include:
- A. MISO costs and revenues associated with:
- i. Network transmission service (MISO Schedule 9 or its successor);
  - ii. Point-to-point transmission service (MISO Schedules 7 and 8 or their successors);
  - iii. System control and dispatch (MISO Schedule 1 or its successor);
  - iv. Reactive supply and voltage control (MISO Schedule 2 or its successor);
  - v. MISO Schedule 11 or its successor;
  - vi. MISO Schedules 26, 26A, 37 and 38 or their successors;
  - vii. MISO Schedule 33; and
  - viii. MISO Schedules 41, 42-A, 42-B, 45 and 47;
- B. Non-MISO costs and revenues associated with:
- i. Network transmission service;
  - ii. Point-to-point transmission service;
  - iii. System control and dispatch; and
  - iv. Reactive supply and voltage control.

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TITLESt. Louis, Missouri  
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CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_

SHEET NO. \_\_\_\_\_

APPLYING TO \_\_\_\_\_

MISSOURI SERVICE AREARIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

- E = Costs and revenues for SO<sub>2</sub> and NO<sub>x</sub> emissions allowances in FERC Accounts 411.8, 411.9, and 509, including those associated with hedging.
- \*\* R = Net insurance recoveries for costs/revenues included in this Rider FAC (and the insurance premiums paid to maintain such insurance), and subrogation recoveries and settlement proceeds related to costs/revenues included in this Rider FAC.
- \* OSSR = Costs and revenues in FERC Account 447 for:
1. Capacity;
  2. Energy;
  3. Ancillary services, including:
    - A. Regulating reserve service (MISO Schedule 3, or its successor);
    - B. Energy Imbalance Service (MISO Schedule 4, or its successor);
    - C. Spinning reserve service (MISO Schedule 5, or its successor); and
    - D. Supplemental reserve service (MISO Schedule 6, or its successor);
  4. Make-whole payments, including:
    - A. Price volatility; and
    - B. Revenue sufficiency guarantee; and
  5. Hedging.

\* Indicates Change. \*\* Indicates Addition.

Issued pursuant to the Order of the Mo.P.S.C. in Case No. ER-2016-0179.

DATE OF ISSUE March 8, 2017DATE EFFECTIVE April 7, 2017ISSUED BY Michael Moehn  
NAME OF OFFICERPresident  
TITLESt. Louis, Missouri  
ADDRESS



MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 74.5

CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_ SHEET NO. \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREARIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

For purposes of factors FC, E, and OSSR, "hedging" is defined as realized losses and costs (including broker commissions and fees associated with the hedging activities) minus realized gains associated with mitigating volatility in the Company's cost of fuel, off-system sales and emission allowances, including but not limited to, the Company's use of futures, options and over-the-counter derivatives including, without limitation, futures contracts, puts, calls, caps, floors, collars, and swaps.

\*Costs and revenues not specifically detailed in Factors FC, PP, E, or OSSR shall not be included in the Company's FAR filings; provided however, in the case of Factors PP or OSSR the market settlement charge types under which MISO or another centrally administered market (e.g., PJM or SPP) bills/credits a cost or revenue need not be detailed in Factors PP or OSSR for the costs or revenues to be considered specifically detailed in Factors PP or OSSR; and provided further, should the MISO or another centrally administered market (e.g. PJM or SPP) implement a market settlement charge type or schedule not listed in the FAC Charge Type Table included in this rider (a "new charge type"):

- A. The Company may include the new charge type cost or revenue in its FAR filings if the Company believes the new charge type cost or revenue possesses the characteristics of, and is of the nature of, the costs or revenues listed in factors PP or OSSR, as the case may be, subject to the requirement that the Company make a filing with the Commission as outlined in B below and also subject to another party's right to challenge the inclusion as outlined in E. below;
- B. The Company will make a filing with the Commission giving the Commission notice of the new charge type no later than 60 days prior to the Company including the new charge type cost or revenue in a FAR filing. Such filing shall identify the proposed accounts affected by such change, provide a description of the new charge type demonstrating that it possesses the characteristics of, and is of the nature of, the costs or revenues listed in factors PP or OSSR as the case may be, and identify the preexisting market settlement charge type(s) which the new charge type replaces or supplements;
- C. The Company will also provide notice in its monthly reports required by the Commission's fuel adjustment clause rules that identifies the new charge type costs or revenues by amount, description and location within the monthly reports;
- D. The Company shall account for the new charge type costs or revenues in a manner which allows for the transparent determination of current period and cumulative costs or revenues; and

\* Indicates Change.

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ISSUED BY Michael Moehn President St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

RIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

- E. If the Company makes the filing provided for in B above and a party challenges the inclusion, such challenge will not delay approval of the FAR filing. To challenge the inclusion of a new charge type, a party shall make a filing with the Commission based upon that party's contention that the new charge type costs or revenues at issue should not have been included, because they do not possess the characteristics of the costs or revenues listed in Factors PP or OSSR, as the case may be. A party wishing to challenge the inclusion of a charge type shall include in its filing the reasons why it believes the Company did not show that the new charge type possesses the characteristics of the costs or revenues listed in Factors PP or OSSR, as the case may be, and its filing shall be made within 30 days of the Company's filing under B above. In the event of a timely challenge, the Company shall bear the burden of proof to support its decision to include a new charge type in a FAR filing. Should such challenge be upheld by the Commission, any such costs will be refunded (or revenues retained) through a future FAR filing in a manner consistent with that utilized for Factor P; and
- F. A party other than the Company may seek the inclusion of a new charge type in a FAR filing by making a filing with the Commission no less than 60 days before the Company's next FAR filing. Such a filing shall give the Commission notice that such party believes the new charge type should be included because it possesses the characteristics of, and is of the nature of, the costs or revenues listed in factors PP or OSSR, as the case may be. The party's filing shall identify the proposed accounts affected by such change, provide a description of the new charge type demonstrating that it possesses the characteristics of, and is of the nature of, the costs or revenues listed in factors PP or OSSR as the case may be, and identify the preexisting market settlement charge type(s) which the new charge type replaces or supplements. If a party makes the filing provided for by this paragraph F and a party (including the Company) challenges the inclusion, such challenge will not delay inclusion of the new charge type in the FAR filing or delay approval of the FAR filing. To challenge the inclusion of a new charge type, the challenging party shall make a filing with the Commission based upon that party's contention that the new charge type costs or revenues at issue should not have been included, because they do not possess the characteristics of the costs or revenues listed in Factors PP or OSSR, as the case may be. The challenging party shall make its filing challenging the inclusion and stating the reasons why it believes the new charge type does not possess the characteristic of the costs or revenues listed in Factors PP or OSSR, as the case may be, within 30 days of the

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NAME OF OFFICER

President  
TITLE

St. Louis, Missouri  
ADDRESS

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

filing that seeks inclusion of the new charge type. In the event of a timely challenge, the party seeking the inclusion of the new charge type shall bear the burden of proof to support its contention that the new charge type should be included in the Company's FAR filings. Should such challenge be upheld by the Commission, any such costs will be refunded (or revenues retained) through a future FAR filing in a manner consistent with that utilized for Factor P.

Should FERC require any item covered by factors FC, PP, E or OSSR to be recorded in an account different than the FERC accounts listed in such factors, such items shall nevertheless be included in factor FC, PP, E or OSSR. In the month that the Company begins to record items in a different account, the Company will file with the Commission the previous account number, the new account number and what costs or revenues that flow through this Rider FAC are to be recorded in the account.

B = BF x S<sub>AP</sub>

\*BF = The Base Factor, which is equal to the normalized value for the sum of allowable fuel costs (consistent with the term FC), plus cost of purchased power (consistent with the term PP), and emissions costs and revenues (consistent with the term E), less revenues from off-system sales (consistent with the term OSSR) divided by corresponding normalized retail kWh as adjusted for applicable losses. The normalized values referred to in the prior sentence shall be those values used to determine the revenue requirement in the Company's most recent rate case. The BF applicable to June through September calendar months (BF<sub>SUMMER</sub>) is \$0.01565 per kWh. The BF applicable to October through May calendar months (BF<sub>WINTER</sub>) is \$0.01536 per kWh.

\*S<sub>AP</sub> = kWh during the AP that ended immediately prior to the FAR filing, as measured by taking the most recent kWh data for the retail component of the Company's load settled at its MISO CP node (AMMO.UE or successor node), plus the metered net energy output of any generating station operating within its certificated service territory as a behind the meter resource in MISO, the output of which served to reduce the Company's load settled at its MISO CP node (AMMO.UE or successor node).

\*Indicates Change.

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 NAME OF OFFICER TITLE ADDRESS

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FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

- S<sub>RP</sub> = Applicable RP estimated kWh representing the expected retail component of the Company's load settled at its MISO CP node (AMMO.UE or successor node) plus the metered net energy output of any generating station operating within its certificated service territory as a behind the meter resource in MISO, the output of which served to reduce the Company's load settled at its MISO CP node (AMMO.UE or successor node).
- I = Interest applicable to (i) the difference between ANEC and B for all kWh of energy supplied during an AP until those costs have been recovered; (ii) refunds due to prudence reviews ("P"), if any; and (iii) all under- or over-recovery balances created through operation of this FAC, as determined in the true-up filings ("T") provided for herein. Interest shall be calculated monthly at a rate equal to the weighted average interest rate paid on the Company's short-term debt, applied to the month-end balance of items (i) through (iii) in the preceding sentence.
- P = Prudence disallowance amount, if any, as defined below.
- T = True-up amount as defined below.

The FAR, which will be multiplied by the Voltage Adjustment Factors (VAF) set forth below is calculated as:

$$FAR = FAR_{RP} + FAR_{(RP-1)}$$

where:

- FAR = Fuel Adjustment Rate applied to retail customer usage on a per kWh basis starting with the applicable Recovery Period following the FAR filing.
- FAR<sub>RP</sub> = FAR Recovery Period rate component calculated to recover under- or over-collection during the Accumulation Period that ended immediately prior to the applicable filing.
- FAR<sub>(RP-1)</sub> = FAR Recovery Period rate component for the under- or over-collection during the Accumulation Period immediately preceding the Accumulation Period that ended immediately prior to the application filing for FAR<sub>RP</sub>.

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

(Applicable To Service Provided On The Effective Date Of This Tariff Sheet And Thereafter)

FAR DETERMINATION (Cont'd.)

\*To determine the FAR applicable to the individual Service Classifications, the FAR determined in accordance with the foregoing will be multiplied by the following Voltage Adjustment Factors (VAF):

Table with 2 columns: Service Type and VAF value. Rows include Secondary Voltage Service (1.0549), Primary Voltage Service (1.0238), and Transmission Voltage Service (0.9921).

The FAR applicable to the individual Service Classifications shall be rounded to the nearest \$0.00001 to be charged on a \$/kWh basis for each applicable kWh billed.

TRUE-UP

After completion of each RP, the Company shall make a true-up filing on the same day as its FAR filing. Any true-up adjustments shall be reflected in T above. Interest on the true-up adjustment will be included in I above.

The true-up adjustments shall be the difference between the revenues billed and the revenues authorized for collection during the RP.

GENERAL RATE CASE/PRUDENCE REVIEWS

The following shall apply to this FAC, in accordance with Section 386.266.4, RSMo. and applicable Missouri Public Service Commission Rules governing rate adjustment mechanisms established under Section 386.266, RSMo:

The Company shall file a general rate case with the effective date of new rates to be no later than four years after the effective date of a Commission order implementing or continuing this FAC. The four-year period referenced above shall not include any periods in which the Company is prohibited from collecting any charges under this FAC, or any period for which charges hereunder must be fully refunded. In the event a court determines that this FAC is unlawful and all moneys collected hereunder are fully refunded, the Company shall be relieved of the obligation under this FAC to file such a rate case.

Prudence reviews of the costs subject to this FAC shall occur no less frequently than every eighteen months, and any such costs which are determined by the Commission to have been imprudently incurred or incurred in violation of the terms of this rider shall be returned to customers. Adjustments by Commission order, if any, pursuant to any prudence review shall be included in the FAR calculation in P above unless a separate refund is ordered by the Commission. Interest on the prudence adjustment will be included in I above.

\*Indicates Change.

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ISSUED BY Michael Moehn
NAME OF OFFICER

President
TITLE

St. Louis, Missouri
ADDRESS

APPLYING TO \_\_\_\_\_

MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

\*FAC CHARGE TYPE TABLE

MISO Energy & Operating Reserve Market Settlement Charge Types and Capacity Market Charges and Credits

DA Asset Energy Amount;	RT Asset Energy Amount;
DA Congestion Rebate on Carve-out GFA;	RT Congestion Rebate on Carve-out GFA;
DA Congestion Rebate on Option B GFA;	RT Contingency Reserve Deployment Failure Charge Amount;
DA Financial Bilateral Transaction Congestion Amount;	RT Demand Response Allocation Uplift Charge;
DA Financial Bilateral Transaction Loss Amount;	RT Distribution of Losses Amount;
DA Loss Rebate on Carve-out GFA;	RT Excessive Energy Amount;
DA Loss Rebate on Option B GFA;	RT Excessive\Deficient Energy Deployment Charge Amount;
DA Non-Asset Energy Amount;	RT Financial Bilateral Transaction Congestion Amount;
DA Ramp Capability Amount;	RT Financial Bilateral Transaction Loss Amount;
DA Regulation Amount;	RT Loss Rebate on Carve-out GFA;
DA Revenue Sufficiency Guarantee Distribution Amount;	RT Miscellaneous Amount;
DA Revenue Sufficiency Guarantee Make Whole Payment Amount;	RT Ramp Capability Amount;
DA Spinning Reserve Amount;	Real Time MVP Distribution;
DA Supplemental Reserve Amount;	RT Net Inadvertent Distribution Amount;
DA Virtual Energy Amount;	RT Net Regulation Adjustment Amount;
FTR Annual Transaction Amount;	RT Non-Asset Energy Amount;
FTR ARR Revenue Amount;	RT Non-Excessive Energy Amount;
FTR ARR Stage 2 Distribution;	RT Price Volatility Make Whole Payment;
FTR Full Funding Guarantee Amount;	RT Regulation Amount;
FTR Guarantee Uplift Amount;	RT Regulation Cost Distribution Amount;
FTR Hourly Allocation Amount;	RT Resource Adequacy Auction Amount;
FTR Infeasible ARR Uplift Amount;	RT Revenue Neutrality Uplift Amount;
FTR Monthly Allocation Amount;	RT Revenue Sufficiency Guarantee First Pass Dist Amount;
FTR Monthly Transaction Amount;	RT Revenue Sufficiency Guarantee Make Whole Payment Amount;
FTR Yearly Allocation Amount;	RT Spinning Reserve Amount;
FTR Transaction Amount;	RT Spinning Reserve Cost Distribution Amount;
Net Revenue from Voluntary Capacity Auction;	RT Supplemental Reserve Amount;
Net Purchase for Voluntary Capacity Auction;	RT Supplemental Reserve Cost Distribution Amount;
	RT Virtual Energy Amount;

MISO Transmission Service Settlement Schedules

MISO Schedule 1 (System control & dispatch);	MISO Schedule 41 (Charge to Recover Costs of Entergy Strom Securitization);
MISO Schedule 2 (Reactive supply & voltage control);	MISO Schedule 42A (Entergy Charge to Recover Interest);
MISO Schedule 7 & 8 (point to point transmission service);	MISO Schedule 42B (Entergy Credit associated with AFUDC);
MISO Schedule 9 (network transmission service);	MISO Schedule 45 (Cost Recovery of NERC Recommendation or Essential Action);
MISO Schedule 11 (Wholesale Distribution);	MISO Schedule 47 (Entergy Operating Companies MISO Transition Cost Recovery);
MISO Schedules 26, 26A, 37 & 38 (MTEP & MVP Cost Recovery);	
MISO Schedule 33 (Black Start Service);	

MISO Charge Types Which Appear On MISO Settlement Statements Represent Administrative Charges And Are Specifically Excluded From The FAC

DA Market Administration Amount;	RT Market Administration Amount;
DA Schedule 24 Allocation Amount;	RT Schedule 24 Allocation Amount;
FTR Market Administration Amount;	RT Schedule 24 Distribution Amount;
Schedule 10 - ISO Cost Recovery Adder;	Schedule 10 - FERC - Annual Charges Recovery;

\* Indicates Addition.

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ISSUED BY Michael Moehn  
NAME OF OFFICER

President  
TITLE

St. Louis, Missouri  
ADDRESS

APPLYING TO \_\_\_\_\_

MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

\*FAC CHARGE TYPE TABLE (Cont'd.)

PJM Market Settlement Charge Types

Auction Revenue Rights;  
 Balancing Operating Reserve;  
 Balancing Operating Reserve for Load Response;  
  
 Balancing Spot Market Energy;  
 Balancing Transmission Congestion;  
 Balancing Transmission Losses;  
 Capacity Resource Deficiency;  
 Capacity Transfer Rights;  
 Day-ahead Economic Load Response;  
 Day-Ahead Load Response Charge Allocation;  
 Day-ahead Operating Reserve;  
 Day-ahead Operating Reserve for Load Response;  
 Day-ahead Spot Market Energy;  
 Day-ahead Transmission Congestion;  
 Day-ahead Transmission Losses;  
 Demand Resource and ILR Compliance Penalty;  
 Emergency Energy;  
 Emergency Load Response;  
 Energy Imbalance Service;  
 Financial Transmission Rights Auction;  
 Generation Deactivation;  
 Generation Resource Rating Test Failure;  
 Inadvertent Interchange;  
 Incremental Capacity Transfer Rights;  
 Interruptible Load for Reliability;

Load Reconciliation for Inadvertent Interchange;  
 Load Reconciliation for Operating Reserve Charge;  
 Load Reconciliation for Regulation and Frequency Response Service;  
 Load Reconciliation for Spot Market Energy;  
 Load Reconciliation for Synchronized Reserve;  
 Load Reconciliation for Synchronous Condensing;  
 Load Reconciliation for Transmission Congestion;  
 Load Reconciliation for Transmission Losses;  
 Locational Reliability;  
 Miscellaneous Bilateral;  
 Non-Unit Specific Capacity Transaction;  
 Peak Season Maintenance Compliance Penalty;  
 Peak-Hour Period Availability;  
 PJM Customer Payment Default;  
 Planning Period Congestion Uplift;  
 Planning Period Excess Congestion;  
 Ramapo Phase Angle Regulators;  
 Real-time Economic Load Response;  
 Real-Time Load Response Charge Allocation;  
 Regulation and Frequency Response Service;  
 RPM Auction;  
 Station Power;  
 Synchronized Reserve;  
 Synchronous Condensing;  
 Transmission Congestion;  
 Transmission Losses;

PJM Transmission Service Charge Types

Black Start Service;  
 Day-ahead Scheduling Reserve;  
 Direct Assignment Facilities;  
 Expansion Cost Recovery;  
 Firm Point-to-Point Transmission Service;  
 Internal Firm Point-to-Point Transmission Service;  
 Internal Non-Firm Point-to-Point Transmission Service;  
 Load Reconciliation for PJM Scheduling, System Control and Dispatch Service;

Network Integration Transmission Service Offset;  
 Non-Firm Point-to-Point Transmission Service;  
 Non-Zone Network Integration Transmission Service;  
 Other Supporting Facilities;  
 PJM Scheduling, System Control and Dispatch Service Refunds;  
 PJM Scheduling, System Control and Dispatch Services;  
 Qualifying Transmission Upgrade Compliance Penalty;  
 Reactive Services;

\* Indicates Addition.

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 NAME OF OFFICER

President  
 TITLE

St. Louis, Missouri  
 ADDRESS

MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 74.12

CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_ SHEET NO. \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREA

RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)

\*FAC CHARGE TYPE TABLE (Cont'd.)

PJM Transmission Service Charge Types (Cont'd.)

Load Reconciliation for PJM Scheduling, System Control and Dispatch Service Refund;	Reactive Supply and Voltage Control from Generation and Other Sources Service;
Load Reconciliation for Reactive Services;	Transmission Enhancement;
Load Reconciliation for Transmission Owner Scheduling, System Control and Dispatch Service;	Transmission Owner Scheduling, System Control and Dispatch Service;
Network Integration Transmission Service;	Unscheduled Transmission Service;
Network Integration Transmission Service (exempt);	

PJM Charge Types Which Appear On The Settlement Statements Represent Administrative Charges Are Specifically Excluded From The FAC

Annual PJM Building Rent;	Michigan - Ontario Interface Phase Angle Regulators;
Annual PJM Cell Tower;	North American Electric Reliability Corporation (NERC);
FERC Annual Charge Recovery;	Organization of PJM States, Inc. (OPSI) Funding;
Load Reconciliation for FERC Annual Charge Recovery;	PJM Annual Membership Fee;
Load Reconciliation for North American Electric Reliability Corporation (NERC);	PJM Settlement, Inc.;
Load Reconciliation for Organization of PJM States, Inc. (OPSI) Funding;	Reliability First Corporation (RFC);
Load Reconciliation for Reliability First Corporation (RFC);	RTO Start-up Cost Recovery;
Market Monitoring Unit (MMU) Funding;	Virginia Retail Administrative Fee;

\* Indicates Addition.

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 NAME OF OFFICER TITLE ADDRESS



**RIDER FAC**  
**FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (Cont'd.)**

(Applicable To Calculation of Fuel Adjustment Rate for the Billing Months of  
 XXXXXX 2017 through XXXXX 2017)

\*Calculation of Current Fuel Adjustment Rate (FAR):

Accumulation Period Ending:

* 1. Actual Net Energy Cost = (ANEC) (FC+PP+E±R-OSSR)		\$
2. (B) = (BF x S <sub>AP</sub> )	-	\$
2.1 Base Factor (BF)		\$/kWh
2.2 Accumulation Period Sales (S <sub>AP</sub> )		kWh
3. Total Company Fuel and Purchased Power Difference =		\$
3.1 Customer Responsibility	x	95%
4. Fuel and Purchased Power Amount to be Recovered =		\$
4.1 Interest (I)	-	\$
4.2 True-Up Amount (T)	+	\$
4.3 Prudence Adjustment Amount (P)	±	\$
5. Fuel and Purchased Power Adjustment (FPA)	=	\$
6. Estimated Recovery Period Sales (S <sub>RP</sub> )	÷	kWh
7. Current Period Fuel Adjustment Rate (FAR <sub>RP</sub> )	=	\$0.00000/kWh
8. Prior Period Fuel Adjustment Rate (FAR <sub>RP-1</sub> )	+	\$0.00000/kWh
9. Fuel Adjustment Rate (FAR)	=	\$0.00000/kWh
10. Secondary Voltage Adjustment Factor (VAF <sub>SEC</sub> )		1.0549
11. Initial Rate Component for Secondary Customers		\$0.00000/kWh
12. Primary Voltage Adjustment Factor (VAF <sub>PRI</sub> )		1.0238
13. Initial Rate Component for Primary Customers		\$0.00000/kWh
14. Transmission Voltage Adjustment Factor (VAF <sub>TRAN</sub> )		0.9921
15. Initial Rate Component for Transmission Customers		\$0.00000/kWh

\*Indicates Change.

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MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 75

CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 75

APPLYING TO MISSOURI SERVICE AREA

RIDER B

DISCOUNTS APPLICABLE FOR SERVICE TO SUBSTATIONS OWNED  
BY CUSTOMER IN LIEU OF COMPANY OWNERSHIP

Where a customer served under rate schedules 4(M) or 11 (M) takes delivery of power and energy at a delivery voltage of 34kV or higher, Company will allow discounts from its applicable rate schedule as follows:

- \*1. A monthly credit of \$1.23/kW of billing demand for customers taking service at 34.5 or 69kV.
- \*2. A monthly credit of \$1.46/kW of billing demand for customers taking service at 115kV or higher.

\*Indicates Change.

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MO.P.S.C. SCHEDULE NO. 61st RevisedSHEET NO. 76CANCELLING MO.P.S.C. SCHEDULE NO. 6OriginalSHEET NO. 76APPLYING TO MISSOURI SERVICE AREARIDER CADJUSTMENTS OF METER READINGS FOR METERING AT A  
VOLTAGE NOT PROVIDED FOR IN RATE SCHEDULE

Where service is metered at a voltage other than the voltage provided for under the applicable rate schedule, an adjustment in both the kilowatt-hour (kWh) and kilowatt (kW) meter readings for the applicable service will be made as follows:

For customers on rate schedule 2(M) or 3(M) taking delivery at secondary voltage:

1. Metered at Primary Voltage or higher, meter readings (kWh and kW) will be decreased by 0.68%.

For customers on rate schedule 4(M) or 11(M):

2. Metered at 34kV or higher, meter readings (kWh and kW) will be decreased by 0.68%
3. Metered at Secondary voltage, meter readings (kWh and kW) will be increased by 0.68%
4. Delivered at 34 kV or higher, served through a single transformation to secondary voltage, and metered at secondary voltage, no Rider C adjustment will apply.
- \*5. Served at transmission voltage, metered kWh will be increased to account for the energy line losses from the use of a transmission system other than Company's, if any.

Company shall not be required to provide any distribution facilities beyond the metering point except when required for engineering or other valid reasons.

\* Indicates Addition.

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MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 78CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 78APPLYING TO MISSOURI SERVICE AREARIDER ESUPPLEMENTARY SERVICE**A. DEFINITION**

Where the service supplied by Company is available in the event of failure or shutdown of customer's private plant service or any other source of electrical energy or motive power through electrical or mechanical means or by means of operational procedure, or where the service in effect serves to relieve, sustain or augment any other source of power, such service shall constitute Supplementary Service.

**\* B. AVAILABILITY**

Supplementary Service will be supplied whenever, in the opinion of the Company, it will have capacity available for the supply of such service during the term of the proposed Electric Service Agreement. This Rider is limited to those customers receiving Supplementary Service prior to April 1, 2017. After April 1, 2017 all new customers or those customer(s) on Rider E who experience a significant change to the customer's generating equipment shall have Supplementary Service supplied under Standby Service.

**C. RATE FOR SERVICE**

1. Supplementary Service will be delivered to customer under the Primary Service Rate at a primary service voltage to be selected by Company. All provisions of the Primary Service Rate under which supplementary service is to be supplied shall remain in effect, except as hereinafter specifically provided.
2. Electric service actually used each month shall be charged for under the applicable rate specified in customer's Electric Service Agreement.
3. The monthly bill to be paid by customer, whether or not any electric service is actually used, shall in no case be less than the minimum charge specified in the applicable rate or the amount based on the Contract Demand (as hereinafter defined) computed on the schedule of charges set forth on Sheet No. 63, Miscellaneous Charges, whichever is greater.

**D. GENERAL PROVISIONS**

1. Contract Demand is defined as the higher of either:
  - a. The number of kilowatts mutually agreed upon by Company with customer as representing customer's maximum service requirements under all conditions of use, and such demand shall be specified in customer's Electric Service Agreement; or
  - b. The maximum demand established by customer in use of Company's service.

\* Indicates Change.

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DATE OF ISSUE March 8, 2017 DATE EFFECTIVE April 7, 2017ISSUED BY Michael Moehn President St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

APPLYING TO MISSOURI SERVICE AREA

RIDER EEIC  
ENERGY EFFICIENCY INVESTMENT CHARGE (Cont'd.)  
For MEEIA Cycle 2 Plan

TD DETERMINATION (Cont'd.)

c. For Measures under the -Business Custom Incentive Program, Business New Construction Incentive Program, and Business Retro-Commissioning Program, the ME will be the annual value attributable to the installations reported monthly by the program implementer.

CM = Current calendar month.

CAS = Cumulative sum of MAS of all prior calendar months for each End Use Category for the MEEIA 2016-18 Plan.

PM = Prior calendar month.

RB = Rebasing Adjustment. The RB shall equal the CAS applicable as of the date used for MEEIA normalization when base rates are adjusted in any general electric rate case or otherwise resulting in new retail electric rates becoming effective during the accrual and collection of TD pursuant to this MEEIA 2016-18 Plan. In the event base rates are adjusted by more than one general electric rate case or otherwise resulting in new rates becoming effective during the accrual and collection of TD pursuant to this MEEIA 2016-18 Plan occurs, the RB adjustment shall include each and every prior RB adjustment calculation.

LS = Load Shape. The LS is the monthly load shape percent (%) for each End-Use Category (attached as Appendix E to the Stipulation).

\*NMR = Net Margin Revenue. NMR values for each applicable Service Classification are as follows:

Month	Service Classifications				
	1(M)Res \$/kWh	2(M)SGS \$/kWh	3(M)LGS \$/kWh	4(M)SPS \$/kWh	11(M)LPS \$/kWh
January	0.047640	0.051510	0.039208	0.039679	0.032205
February	0.048358	0.051361	0.040171	0.040327	0.034811
March	0.050250	0.053864	0.041181	0.040935	0.033627
April	0.052130	0.056283	0.041883	0.040619	0.033490
May	0.054358	0.058034	0.042811	0.042414	0.034512
June	0.109291	0.095491	0.082589	0.082629	0.059935
July	0.109291	0.095491	0.081263	0.081994	0.062387
August	0.109291	0.095491	0.081614	0.082803	0.061130
September	0.109291	0.095491	0.081939	0.082068	0.061869
October	0.051354	0.056247	0.041868	0.041285	0.035011
November	0.054399	0.057698	0.042226	0.041439	0.034514
December	0.050066	0.054705	0.040610	0.040618	0.033040

\* Indicates Change.

MO.P.S.C. SCHEDULE NO. 61st RevisedSHEET NO. 92CANCELLING MO.P.S.C. SCHEDULE NO. 6OriginalSHEET NO. 92APPLYING TO MISSOURI SERVICE AREARIDER SSRSTANDBY SERVICE RIDERAPPLICABILITY

Applicable to each customer not currently served by Rider E, at a single premises with behind the meter on-site parallel distributed generation and/or storage system(s) with a capacity over 100 kilowatts (kW), as a modification to standard electric service supplied under either the tariffed rate schedules of Large General Service 3(M), Small Primary Service 4(M), or Large Primary Service 11(M). Customers with emergency backup, solar or wind generation that is not integrated with a storage system are excluded from this Rider.

DEFINITIONS

DISTRIBUTED GENERATION AND/OR STORAGE - Customer's private on-site generation and/or storage that:

1. is located behind the meter on the customer's premises,
2. has a rated capacity of 100 kW or more,
3. operates in parallel with the Company's system, and
4. adheres to applicable interconnection agreement entered into with the Company.

SUPPLEMENTAL SERVICE - Electric service provided by the Company to customer to supplement normal operation of the customer's on-site parallel distributed generation and/or storage in order to meet the customer's full service requirements.

STANDBY SERVICE - Service supplied to the premises by the Company in the event of the customer exceeding its Supplemental Contract Capacity. Standby Service may be needed on either a scheduled or unscheduled basis. Standby Service comprises capacity and associated energy during the time it is used.

1. BACKUP SERVICE - Unscheduled Standby Service.
2. MAINTENANCE SERVICE - Scheduled Standby Service.

BACK-UP SERVICE - The portion of Standby Contract Capacity and associated energy used without advance permission from the Company. The customer must notify the Company within thirty (30) minutes of taking Back-up Service for amounts over five (5) megawatts (MW). For Back-up Service billed, the customer shall be charged the daily standby demand charge for back-up service and back-up energy charges associated with Standby Service. The rates for these charges as well as the monthly fixed charges are stated in this Rider. Back-up Service charges will be shown and calculated separately on the customer bill.

MAINTENANCE SERVICE - The portion of Standby Contract Capacity used with advance permission from the Company. The customer must schedule Maintenance Service with the Company not less than six (6) days prior to its use. Unless otherwise agreed to by the Company, Maintenance Service shall be limited to not more than six (6) occurrences and not more than sixty (60) total and partial days during twelve (12) consecutive billing periods (based on billing dates). Maintenance Service may be available during all months and shall not be greater than the seasonal Standby Contract Capacity. The scheduling of Maintenance Service may be restricted by the Company during times associated with system peaking conditions or other times as necessary. For Maintenance Service billed, the customer shall be charged the daily standby demand charge for maintenance service associated with Standby Service Demand.

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TITLESt. Louis, Missouri  
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MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 92.1

CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_ SHEET NO. \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREARIDER SSRSTANDBY SERVICE RIDER (Cont'd.)DEFINITIONS (Cont'd.)

MAINTENANCE SERVICE (Cont'd.) - The rates for these daily demand charges as well as the monthly fixed charges are stated in this Rider. Energy charges for Maintenance Service associated with the Standby Service will be billed as standard energy charges per the applicable tariffed rate schedule. Maintenance Service charges will be shown and calculated separately on the customer bill.

SUPPLEMENTAL CONTRACT CAPACITY - The customer must designate and contract by season the maximum amount of demand, in kW, taken at the premises through the billing meter that may be billed on the applicable standard tariffed rate and shall be mutually agreeable to customer and Company. The Supplemental Contract Capacity shall insofar as possible estimate ninety percent (90%) of the historic or probable loads of the facility as adjusted for customer generation.

STANDBY CONTRACT CAPACITY - The higher of:

1. The number of kilowatts mutually agreed upon by Company with customer as representing the customer's maximum service requirements under all conditions of use less Supplemental Contract Capacity, and such demand shall be specified in customer's Electric Service Agreement. Such amount shall be seasonally designated and shall not exceed the nameplate rating(s) of the customer's own generation. The amount of Standby Contract Capacity will generally consider the seasonal (summer or winter billing periods) capacity ratings and use of the generator(s), or may be selected based on a Company approved load shedding plan.
2. The maximum demand established by customer in use of Company's service less the product of Supplemental Contract Capacity and 110%.

Fixed monthly charges for generation and transmission access and facilities shall be levied upon a capacity not to exceed the nameplate rating(s) of the customer's generating unit(s).

SUPPLEMENTAL DEMAND - The lesser of:

1. Supplemental Contract Capacity or
2. The Total Billing Demand in this Rider.

STANDBY SERVICE DEMAND - The Total Billing Demand as determined in this Rider in excess of the Supplemental Contract Capacity.

TOTAL BILLING DEMAND - Total Billing Demand for purposes of this Rider shall be the maximum 15 minute demand established during peak hours or 50% of the maximum 15 minute demand established during off-peak hours, whichever is greater, but in no event less than 100 kW for Large General Service or Small Primary Service, nor less than 5,000 kW for Large Primary Service.

Peak and off-peak hours are defined as follows:

Peak hours: 10:00 A.M. to 10:00 P.M.,  
Monday through Friday

Off-peak hours: All other hours including the entire 24 hours of the tariffed holidays as defined in the base tariff. All times stated above apply to the local effective time.

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NAME OF OFFICER TITLE ADDRESS

APPLYING TO MISSOURI SERVICE AREA

RIDER SSR  
STANDBY SERVICE RIDER (Cont'd.)

GENERAL PROVISIONS

The contract term shall be one (1) year, automatically renewable, unless usage, plant modifications or additional generation requires a change to Supplemental Contract Capacity or Standby Contract Capacity.

The Company will install and maintain the necessary suitable meters for measurement of service rendered hereunder. The Company may inspect generation logs or other evidence that the customer's generator is being used in accordance with the provisions this Rider.

Power production equipment at the customer site shall not commence parallel operation until after inspection by the Company and a written interconnection agreement is executed. The sale of excess energy to the Company may be included in the interconnection or other agreement.

If at any time customer desires to increase demand above the capacity of Company's facilities used in supplying said service due to plant modifications, customer will sign a new agreement for the full capacity of service required and in accordance with applicable rules governing extension of its distribution system.

In addition to the charges in the applicable rate schedule, customers taking service under this Rider will be subject to the applicable Administrative Charge, Generation and Transmission Access Charges, and the Facilities Charge each month contained herein. If customer chooses the Time-Of-Day (TOD) option under the applicable rate schedule such option will apply to this Rider SSR as well.

Those customers choosing to install more than one (1) generating unit on the same premises will have a twenty five percent (25%) discount applied to the monthly Generation and Transmission Access Charges and Facilities Charges applicable to each additional generator on the same premises.

In addition to the above specific rules and regulations, all of Company's General Rules and Regulations shall apply to the supply of service under this Rider.

In the event a customer adds distributed generation and/or storage after investments are made by the Company in accordance with the net revenue test described in the Company's line extension policy, the Company may require reimbursement by the customer. Such reimbursement shall be limited to that investment which was incurred within the previous five years and shall be based upon the change in load requirements on the Company's electric system.

Fuel and Purchased Power Adjustment (Rider FAC). Applicable to all billed kilowatt-hours (kWh) of energy under this Rider.

Energy Efficiency Investment Charge (Rider EEIC) and Energy Efficiency Program Charge. Applicable to all billed kilowatt-hours (kWh) of energy under this Rider excluding kWh of energy supplied to customers that have satisfied the opt-out provisions of Section 393.1075, RSMo.



RIDER SSR

STANDBY SERVICE RIDER (Cont'd.)

<b>STANDBY RATE</b>			
	<b>Large General Service</b>	<b>Small Primary Service</b>	<b>Large Primary Service</b>
<b>Standby Fixed Charges</b>			
Administrative Charge	\$199.00/month	\$199.00/month	\$199.00/month
Generation and Transmission Access Charge per month per kW of Contracted Standby Demand	\$0.67/kW	\$0.67/kW	\$0.84/kW
Facilities Charge per month per kW of Contracted Standby Demand:			
Summer	\$4.13/kW	\$3.39/kW	\$3.39/kW
Winter	\$1.03/kW	\$0.72/kW	\$0.72/kW
<b>Daily Standby Demand Rate – Summer</b>			
Per kW of Daily Standby Service Demand:			
Back-Up	\$0.04/kW	\$0.04/kW	\$1.12/kW
Maintenance	\$0.02/kW	\$0.02/kW	\$0.56/kW
<b>Daily Standby Demand Rate - Winter</b>			
Per kW of Daily Standby Service Demand:			
Back-Up	\$0.02/kW	\$0.02/kW	\$0.54/kW
Maintenance	\$0.01/kW	\$0.01/kW	\$0.27/kW
<b>Back-Up Energy Charges – Summer</b>			
kWh in excess of Supplemental Contract Capacity			
Energy <sup>(1)</sup>	10.58¢/kWh	10.23¢/kWh	3.54¢/kWh
On-Peak Energy <sup>(2)</sup>	11.83¢/kWh	11.14¢/kWh	4.23¢/kWh
Off-Peak Energy <sup>(2)</sup>	9.87¢/kWh	9.72¢/kWh	3.16¢/kWh
<b>Back-Up Energy Charges – Winter</b>			
kWh in excess of Supplemental Contract Capacity			
Energy <sup>(1)</sup>	6.65¢/kWh	6.44¢/kWh	3.14¢/kWh
On-Peak Energy <sup>(2)</sup>	7.03¢/kWh	6.78¢/kWh	3.45¢/kWh
Off-Peak Energy <sup>(2)</sup>	6.44¢/kWh	6.26¢/kWh	2.96¢/kWh
<b>High Voltage Facilities Charge Discount</b>			
Facilities Charge Credit per month per kW of Contracted Standby Demand			
@ 34.5 or 69kV	N/A	\$1.23/kW	\$1.23/kW
@ 115kV or higher	N/A	\$1.46/kW	\$1.46/kW

(1) Applicable to customers not on TOD rates.

(2) Applicable to customers on TOD rates for its non-back-up energy charges.

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President  
TITLE

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MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 95.1CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 95.1APPLYING TO MISSOURI SERVICE AREATABLE OF CONTENTSGENERAL RULES & REGULATIONS (Cont'd.)

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\*Indicates Change.

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MO.P.S.C. SCHEDULE NO. 61st RevisedSHEET NO. 129CANCELLING MO.P.S.C. SCHEDULE NO. 6OriginalSHEET NO. 129APPLYING TO MISSOURI SERVICE AREA**GENERAL RULES AND REGULATIONS****IV. MEASUREMENT OF SERVICE (Cont'd.)****C. MULTIPLE METERED ACCOUNT BILLING**

Where more than one meter is installed for metering the premises of an individual account in accordance with paragraphs A and B above, the sum of each watthour meter's kilowatt-hour usage and each demand meter's individual maximum non-simultaneous kilowatt demand will be used for billing purposes. Under all circumstances involving multiple metered accounts, any alternating current watthour meter registering zero usage in a given billing month shall be subject to the monthly charge for three phase meters, specified in paragraph B of this Section IV, during each month of zero usage.

**D. METER INSPECTIONS AND TESTING**

Company's meters shall be inspected and tested for accuracy in accordance with applicable Missouri Public Service Commission Rules. If customer requests a meter test within 12 months of any previous testing of such meter, a standard charge based on meter type will be assessed for meters found to have an average meter error of 2 percent or less.

**\* E. REMOTE METER READING OPT-OUT**

Customers receiving Residential Service have the option of refusing the installation of remotely read metering or requesting the removal of previously installed remotely read metering. In such instances, non-standard metering equipment will be installed that requires a manual meter read. Customers requesting non-standard metering service after April 1, 2017 will be charged a one-time setup charge of \$150.00 and a monthly recurring Non-Standard Meter Charge of \$45.00 per month.

\* Indicates Change.

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MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 160CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 160APPLYING TO MISSOURI SERVICE AREA**PILOTS, VARIANCES, AND PROMOTIONAL PRACTICES****D. KEEPING CURRENT LOW-INCOME PILOT PROGRAM****\* PURPOSE**

The purpose of the Keeping Current Low-Income Pilot Program (Program) is to provide electric bill payment assistance to customers meeting the eligibility requirements while assessing the delivery methods used in the Program and the impacts on revenues and costs. This Program is provided pursuant to the Stipulation and Agreement Regarding Ameren Missouri's Keeping Current Program approved by the Missouri Public Service Commission (MoPSC) in Case No. ER-2012-0166 and pursuant to the Unanimous Stipulation and Agreement approved by the MoPSC in Case No. ER-2016-0179.

**\* AVAILABILITY**

The Program has three (3) categories of Participants:

- a) Participants in the Keeping Current Electric Heating Program category -  
This Program category shall be limited to electric space heating customers on the Residential Service Rate 1(M) who have an income level at or below 150% of the Federal Poverty Level (FPL) enrolled by a program agency designated by the Company. (For a list of agencies go to [ameren.com/missouri](http://ameren.com/missouri))
- b) Participants in the Keeping Current Non-Electric Heating Program category -  
This Program category shall be limited to non-electric space heating customers on the Residential Service Rate 1(M) who have an income level at or below 150% of the FPL enrolled by a program agency designated by the Company.
- c) Participants in the Keeping Current Cooling Program category -  
This Program category shall be limited to electric space cooling customers on the Residential Service Rate 1(M) who are either 1) elderly, 2) disabled, 3) have a documented chronic medical condition, or 4) live in households with one or more children five (5) years of age or younger and the customer in one of these categories has an income that is no more than 150% of the FPL enrolled by an agency designated by the Company.

No customer with an arrearage that includes a theft of service charge shall be eligible to participate in the Program.

No credit refund checks will be issued by the Company to Participants.

**\* DEFINITIONS**

**Collaborative** - Signatories to the Stipulation and Agreement Regarding Ameren Missouri's Keeping Current Pilot Program in Case No. ER-2012-0166 and Unanimous Stipulation and Agreement in Case No. ER-2016-0179, which include the Company, MoPSC Staff, Office of the Public Counsel (OPC), Missouri Industrial Energy Consumers (MIEC), AARP and Consumers Council of Missouri.

**Federal Poverty Level (FPL)** - The set minimum amount of gross income that a family needs for food, clothing, transportation, shelter and other necessities. This level is determined by the U.S. Department of Health and Human Services. FPL varies according to family size.

\* Indicates Change.

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APPLYING TO MISSOURI SERVICE AREA

**PILOTS, VARIANCES, AND PROMOTIONAL PRACTICES**

**D. KEEPING CURRENT LOW-INCOME PILOT PROGRAM (Cont'd.)**

**\* DEFINITIONS (Cont'd.)**

**Keeping Current Agency** - a community action agency either a local private or a non-profit organization designated by Company to enroll customer's in the Keeping Current Low-Income Pilot Program within their area. For a list of agencies go to [ameren.com/missouri](http://ameren.com/missouri).

**PROVISIONS**

\* Pursuant to the Stipulation and Agreement Regarding Ameren Missouri's Keeping Current Program approved by the MoPSC in Case No. ER-2012-0166 and pursuant to the Unanimous Stipulation and Agreement approved by the MoPSC in Case No. ER-2016-0179, beginning in April 2017 the Company will provide \$625,000 annually, in twelve monthly installments each Program year (calendar year), to finance the Program, with the 2017 contributions prorated for the nine months remaining in the year. An additional amount of approximately \$706,000 will be collected through the Low-Income Pilot Program Charge in the Company's 1(M), 2(M), 3(M), 4(M), 11(M), and 12(M) tariffs and contributed to the Program. The Program will be implemented through the Company's existing Keeping Current Agencies in cooperation with the Collaborative.

\*\* Participants may choose a preferred due date or billing cycle at enrollment that matches the time that they receive income.

Credits will be provided through Monthly Heating Bill Credits and/or Monthly Arrearage Bill Credits and/or Keeping Cool Bill Credits as listed below to Participants meeting the income limits above and the general qualifications listed below as well as the qualifications for each provision:

1. Participant must be registered with a designated Keeping Current Agency.
2. Participant will apply for weatherization and LIHEAP assistance.

**MONTHLY HEATING BILL CREDITS**

*Electric Heating Participant's Monthly Bill Credit	
0-50% FPL	\$90.00
51%-150% FPL	\$60.00

*Non-Electric Heating Participant's Monthly Bill Credit	
0-50% FPL	\$40.00
51%-150% FPL	\$35.00

\*1. Participants must remain current within two (2) billing cycles to continue on Program. Participants that default on payments for two (2) consecutive months will be removed from the Program and not be allowed back into the Program for twelve (12) months except that a Keeping Current Agency may request a one-time re-enrollment for a defaulted Participant experiencing a short-term, unanticipated financial hardship.

\*Indicates Change. \*\*Indicates Addition.

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MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 160.2CANCELLING MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 160.2APPLYING TO MISSOURI SERVICE AREAPILOTS, VARIANCES, AND PROMOTIONAL PRACTICESD. KEEPING CURRENT LOW-INCOME PILOT PROGRAM (Cont'd.)MONTHLY HEATING BILL CREDITS (Cont'd.)

As a one-time exception during the twenty-four (24) month enrollment period, Participants with a missed, late or partial payment will be allowed to receive the monthly bill credit and still be considered current on the program.

2. Participants receiving Electric Heating Monthly Credits must be enrolled in Budget Billing with any under or over collection balance existing at the settlement month rolled over and spread equally across all monthly bills in the next Budget Billing Plan year. All Budget Billing options will be available to a Keeping Current Participant that has satisfactorily completed two (2) years on the Keeping Current Program.
3. Monthly Heating Bill Credits will only be applied for those bills where the Participant makes an on-time (before the delinquent date) payment equal to the amount due less the pre-determined monthly credit, based on FPL. Bill statement will reflect the amount due, the credit, and the new payment required.
4. Monthly Heating Bill Credits will be adjusted accordingly so that the Participant pays a minimum of \$10 (ten) per month if the difference between the budget billing amount and the associated credit results in an amount due which is less than \$10 (ten). Credit will be calculated in these circumstances once the budget billing amount has been determined.

MONTHLY ARREARAGE BILL CREDITS

Monthly arrearage bill credit is 1/12<sup>th</sup> of their original arrearage amount when entering the Program.

1. Participants must make a payment of at least 1/12<sup>th</sup> of any arrearage through pledge or personal funds. This arrearage reduction agreement will remain in effect as long as customer remains current.
2. Participants must remain current within two (2) billing cycles to continue on Program. Participants that default on payments for two (2) consecutive months will be removed from the Program and not be allowed back into the Program for twelve (12) months except that a Keeping Current Agency may request a one-time re-enrollment for a defaulted customer experiencing a short-term, unanticipated financial hardship.
3. Monthly Arrearage Bill Credits will only be applied for those bills where Participant makes an on-time (before the delinquent date) payment equal to the amount due less the pre-determined monthly credit, based on FPL. Bill statement will reflect the amount due, the credit, and the new payment required.

\* Indicates Change.

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APPLYING TO MISSOURI SERVICE AREA

**PILOTS, VARIANCES, AND PROMOTIONAL PRACTICES**

**D. KEEPING CURRENT LOW-INCOME PILOT PROGRAM (Cont'd.)**

**\* KEEPING COOL BILL CREDITS**

Participant's Monthly Cooling Bill Credit(June-August)	
0-100% FPL	\$25.00
101%-150% FPL	\$25.00

Participants may not receive Keeping Cool Bill Credits concurrently with Electric Heating Bill Credits, Non-Electric Heating Bill Credits, or Arrearage Bill Credits.

**\* ADMINISTRATION, REPORTING AND EVALUATION**

Program administration, reporting and evaluation will be conducted consistent with the terms of the Stipulation and Agreement Regarding Ameren Missouri's Keeping Current Program in Case No. ER-2012-0166 and the terms of the Unanimous Stipulation and Agreement in Case No. ER-2016-0179 or as modified by the Collaborative and approved by the MoPSC.

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