

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 \$10.00

Energy Charge - per kWh 10.00¢

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

Customer Charge - per month \$10.00

Energy Charge - per kWh
First 750 kWh 7.10¢
Over 750 kWh 4.77¢

Optional Time-of-Day Rate

Customer Charge - per month \$20.00

Energy Charge - per kWh (1)
Summer (June-September billing periods)
All On Peak kWh 14.53¢
All Off Peak kWh 5.96¢
Winter (October-May billing periods)
All On Peak kWh 8.58¢
All Off Peak kWh 4.24¢

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

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

**Environmental Cost Recovery Mechanism (Rider ECRM). Applicable to all metered kilowatt-hours (kWh) of energy.

Payments. Bills are due and payable within ten (10) days from date of bill and become delinquent after twenty-one (21) days from date of bill.

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. ** Indicates Addition.

DATE OF ISSUE July 24, 2009 DATE EFFECTIVE August 23, 2009

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

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	\$11.00
Three Phase Service	\$22.00
Energy Charge - per kWh	9.59¢

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

Customer Charge - per month	
Single Phase Service	\$11.00
Three Phase Service	\$22.00
Energy Charge - per kWh	
Base Use	7.15¢
Seasonal Use(1)	4.11¢

(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.

Optional Time-of-Day Rate

Customer Charge - per month	
Single Phase Service	\$23.00
Three Phase Service	\$45.00
Energy Charge - per kWh (2)	
Summer (June-September billing periods)	
All On Peak kWh	14.23¢
All Off Peak kWh	5.79¢
Winter (October-May billing periods)	
All On Peak kWh	9.36¢
All Off Peak kWh	4.30¢

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

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

**Environmental Cost Recovery Mechanism (Rider ECRM). Applicable to all metered kilowatt-hours (kWh) of energy.

*Indicates Change. **Indicates Addition.

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 \$85.23

Energy Charge - per kWh

First 150 kWh per kW of Billing Demand 9.54¢

Next 200 kWh per kW of Billing Demand 7.18¢

All Over 350 kWh per kW of Billing Demand 4.84¢

Demand Charge - per kW of Total Billing Demand \$4.46

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

Customer Charge - per month \$85.23

Base Energy Charge - per kWh

First 150 kWh per kW of Base Demand 6.00¢

Next 200 kWh per kW of Base Demand 4.46¢

All Over 350 kWh per kW of Base Demand 3.51¢

Seasonal Energy Charge - Seasonal kWh 3.51¢

Demand Charge - per kW of Total Billing Demand \$1.65

Optional Time-of-Day Adjustments

Additional Customer Charge - per Month \$18.00 per month

Energy Adjustment - per kWh	On-Peak	Off-Peak
	<u>Hours(1)</u>	<u>Hours(1)</u>

Summer kWh(June-September billing periods)	+1.13¢	-0.64¢
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Winter kWh(October-May billing periods)	+0.34¢	-0.19¢
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(1) On-peak and off-peak hours applicable herein shall be as specified in Rider I, paragraph A.

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

**Environmental Cost Recovery Mechanism (Rider ECRM). Applicable to all metered kilowatt-hours (kWh) of energy.

*Indicates Change. **Indicates Addition.

DATE OF ISSUE July 24, 2009 DATE EFFECTIVE August 23, 2009

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri
 NAME OF OFFICER TITLE ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 5 36th Revised SHEET NO. 37
 CANCELLING MO.P.S.C. SCHEDULE NO. 5 35th Revised SHEET NO. 37

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	\$276.00
Energy Charge - per kWh	
First 150 kWh per kW of Billing Demand	9.22¢
Next 200 kWh per kW of Billing Demand	6.95¢
All Over 350 kWh per kW of Billing Demand	4.67¢
Demand Charge - per kW of Total Billing Demand	\$3.68
Reactive Charge - per kVar	32.00¢

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

Customer Charge - per month	\$276.00
Base Energy Charge - per kWh	
First 150 kWh per kW of Base Demand	5.80¢
Next 200 kWh per kW of Base Demand	4.32¢
All Over 350 kWh per kW of Base Demand	3.39¢
Seasonal Energy Charge - Seasonal kWh	3.39¢
Demand Charge - per kW of Total Billing Demand	\$1.34
Reactive Charge - per kVar	32.00¢

Optional Time-of-Day Adjustments

Additional Customer Charge - per Month	\$18.00 per month	
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)	+0.83¢	-0.46¢
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.

**Environmental Cost Recovery Mechanism (Rider ECRM). Applicable to all metered kilowatt-hours (kWh) of energy.

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 ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri
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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. Standard horizontal burning, enclosed luminaire on existing wood pole:

<u>High Pressure Sodium</u>		<u>Mercury Vapor (1)</u>	
<u>Lumens</u>	<u>Rate</u>	<u>Lumens</u>	<u>Rate</u>
9,500	\$10.13	6,800	\$10.13
25,500	\$14.64	20,000	\$14.64
50,000	\$26.09	54,000	\$26.09
		108,000	\$52.21

B. Standard side mounted, hood with open bottom glassware on existing wood pole:

<u>High Pressure Sodium</u>		<u>Mercury Vapor (1)</u>	
<u>Lumens</u>	<u>Rate</u>	<u>Lumens</u>	<u>Rate</u>
9,500	\$8.96	3,300	\$8.20
		6,800	\$8.96

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	\$18.77	3,300	\$17.74
		6,800	\$18.77

D. Pole-mounted, direction 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	\$18.58	34,000	\$18.58	20,000	\$18.58
50,000	\$29.38	100,000	\$58.74	54,000	\$29.38

(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.

*Indicates Change.

APPLYING TO MISSOURI SERVICE AREA

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

- * E. All poles and cable, where required to provide lighting service:
 1. After September 27, 1988 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.
 2. Installations prior to September 27, 1988:

	<u>Monthly Rate</u>
Wood Pole	\$ 9.06 per pole
Ornamental Concrete Pole	\$20.30 per pole
Steel Breakaway Pole	\$61.06 per pole
Standard Two-Conductor Overhead Cable	\$ 2.81 per span
Underground Cable Installed In and Under Dirt	8.33¢ per foot
All Other Underground Cable Installations	15.86¢ per foot

- * F. Incandescent lamps provided under contracts initiated prior to September 30, 1963, which facilities will not be maintained by Company after June 30, 1981:

<u>Lamp and Fixture</u>	<u>Per Unit Monthly Rate</u>
1,000 Lumens	\$ 9.71
2,500 "	13.10
4,000 "	15.12
6,000 "	16.78
10,000 "	22.79

*Indicates Change.

APPLYING TO MISSOURI SERVICE AREA

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

G. 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, Post-Top	\$18.77
11,000 Lumens, Mercury Vapor, Open Bottom	8.96
11,000 Lumens, Mercury Vapor, Horizontal Enclosed	10.13
42,000 Lumens, Mercury Vapor, Horizontal Enclosed	26.09
5,800 Lumens, H.P. Sodium, Open Bottom	8.20
16,000 Lumens, H.P. Sodium, Horizontal Enclosed	10.13
34,200 Lumens, H.P. Sodium, Directional(2)	18.58
140,000 Lumens, H.P. Sodium, Directional	58.74
20,000 Lumens, Metal Halide, Directional	18.58

(2) This lamp represents a mercury vapor fixture with H.P. Sodium lamp.

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.

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.

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C.SCHEDULE NO. 5 1st Revised SHEET NO. 41.1
 CANCELLING MO.P.S.C. SCHEDULE NO. 5 Original SHEET NO. 41.1

APPLYING TO MISSOURI SERVICE AREA

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

*Fuel and Purchased Power Adjustment (Rider FAC) and Environmental Cost Recovery Mechanism (Rider ECRM). The kilowatt hours for lighting service provided under the terms of this Service Classification shall be subject to the provisions of Company's Rider FAC and Rider ECRM. 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>			
5,800	70	January	408
9,500	120	February	347
16,000	202	March	346
25,500	307	April	301
34,200	360	May	279
50,000	482	June	255
140,000	1000	July	272
		August	298
		September	322
<u>Mercury Vapor</u>			
3,300	127	October	368
6,800	207	November	387
11,000	294	December	417
20,000	455		
42,000	700		
54,000	1080		
108,000	2160		
<u>Metal Halide</u>			
20,000	294		
34,000	450		
100,000	1100		
<u>Incandescent</u>			
1,000	103		
2,500	202		
4,000	327		
6,000	448		
10,000	690		

*Indicates Change.

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 ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri
 NAME OF OFFICER TITLE ADDRESS

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 \$6.10 per month
 Energy Charge 4.12¢ per kWh

*Rate Per Unit Per Month For Unmetered Service

Customer Charge per account \$6.10 per month

<u>H.P. Sodium</u>	<u>Energy & Maintenance (1)</u>	<u>Energy Only (2)</u>
9,500 Lumens, Standard	\$ 3.28	\$ 1.59
16,000 Lumens, Standard	N/A	2.70
25,500 Lumens, Standard	5.71	4.07
50,000 Lumens, Standard	8.23	6.38
<u>Metal Halide</u>		
5,500 Lumens, Standard	\$ 4.74	N/A
12,900 Lumens, Standard	5.67	N/A
<u>Mercury Vapor</u>		
	(3)	
3,300 Lumens, Standard	\$ 3.28	\$ 1.69
6,800 Lumens, Standard	4.27	2.74
11,000 Lumens, Standard	5.77	3.89
20,000 Lumens, Standard	7.66	6.02
42,000 Lumens, Standard	N/A	10.01
54,000 Lumens, Standard	16.35	14.31

- (1) Company will furnish electric energy, furnish and replace lamps, wash lamps and luminaires, and adjust and replace control mechanisms, as required.
- (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. 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.

*Indicates Change.

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 5 1st Revised SHEET NO. 45.1
 CANCELLING MO.P.S.C. SCHEDULE NO. 5 Original SHEET NO. 45.1

APPLYING TO MISSOURI SERVICE AREA

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

*Fuel and Purchased Power Adjustment (Rider FAC) and Environmental Cost Recovery Mechanism (Rider ECRM). The kilowatt hours for lighting service provided under the terms of this Service Classification shall be subject to the provisions of Company's Rider FAC and Rider ECRM. 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
16,000	202	February	347
25,500	307	March	346
50,000	482	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
42,000	700	November	387
54,000	1080	December	417
<u>Metal Halide</u>			
5,500	122		
12,900	206		

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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APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 7 (M)
MUNICIPAL STREET LIGHTING - INCANDESCENT
RATE OF LIMITED APPLICATION

* Rate per Lamp per Month

	Incandescent				
	1,000	2,500	4,000	6,000	10,000
	<u>Lumen</u>	<u>Lumen</u>	<u>Lumen</u>	<u>Lumen</u>	<u>Lumen</u>
<u>Wood Pole Rates</u>	\$4.14	\$6.30	\$8.59	\$11.42	\$15.63

Ornamental Pole. Add \$6.79 per month per pole to above Wood Pole charges.

* Circuit Charge per Month

Underground, in and under dirt, per ft.	8.59¢
Underground, all other, per ft.	16.36¢

(In lieu of a monthly circuit charge, customer may elect to pay to Company at the time of installation the estimated excess installed cost of underground over overhead circuit.)

* Customer-Owned Street Lighting Facilities. Where customer furnishes, installs and owns all street lighting facilities, service will be supplied as follows:

For Metered Service:

Customer Charge per Meter	\$14.20 per month
1) Secondary Service	4.14¢ per kWh
2) Primary Service - Rider C shall be applied.	

Customer shall install suitable switching and protective equipment, meter loop, space and mounting facilities for Company metering devices.

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.

Payments. Bills are due and payable within ten (10) days from date of bill.

Term of Contract. Ten (10) years. Customer, if not legally authorized to contract for all of an initial or succeeding ten-year contract term at one time, may sign an agreement for the maximum period for which it is legally authorized to contract, and said agreement will continue in force thereafter for successive one-year periods unless terminated by either party by written notice given not less than sixty (60) days prior to any annual termination date.

*Indicates Change.

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 5 1st Revised SHEET NO. 50.1
 CANCELLING MO.P.S.C. SCHEDULE NO. 5 Original SHEET NO. 50.1

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 7(M)
MUNICIPAL STREET LIGHTING - INCANDESCENT
RATE OF LIMITED APPLICATION (Cont'd.)

*Fuel and Purchased Power Adjustment (Rider FAC) and Environmental Cost Recovery Mechanism (Rider ECRM). The kilowatt hours for lighting service provided under the terms of this Service Classification shall be subject to the provisions of Company's Rider FAC and Rider ECRM. 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>Incandescent</u>		January	408
1,000	103	February	347
2,500	202	March	346
4,000	327	April	301
6,000	448	May	279
10,000	690	June	255
		July	272
		August	298
		September	322
		October	368
		November	387
		December	417

*Indicates Change.

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MO.P.S.C. SCHEDULE NO. 5 20th Revised SHEET NO. 55
 CANCELLING MO.P.S.C. SCHEDULE NO. 5 19th Revised SHEET NO. 55

APPLYING TO CITY OF ST. LOUIS AND ST. LOUIS COUNTY, MISSOURI

SERVICE CLASSIFICATION NO. 8(M)
PRIVATE ORNAMENTAL STREET LIGHTING RATES
RATE OF LIMITED APPLICATION

*Rate per Lamp per Month

<u>Lumen Rating of Series Lamps</u>		
<u>1000</u>	<u>2500</u>	<u>4000</u>
\$10.91	\$13.10	\$15.39

*Circuit Charge per Month

Underground, in and under dirt, per ft. 8.59¢
 Underground, all other, per ft. 16.36¢

(In lieu of a monthly circuit charge, customer may elect to pay to Company at the time of installation the estimated excess installed cost of underground over overhead circuit.)

*Customer-Owned Street Lighting Facilities. Where customer furnishes, installs and owns all street lighting facilities, service will be supplied as follows:

For Metered Service:
 Customer Charge per Meter \$14.20 per month
 1) Secondary Service 4.14¢ per kWh
 2) Primary Service - Rider C shall be applied.

Customer shall install suitable switching and protective equipment, meter loop, space and mounting facilities for Company metering devices.

Tax Adjustment. Any license, franchise, gross receipts, occupations 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.

Payments. Bills are due and payable within ten (10) days from date of bill.

Term of Contract. Ten (10) years.

*Indicates Change.

DATE OF ISSUE July 24, 2009 DATE EFFECTIVE August 23, 2009
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NAME OF OFFICER TITLE ADDRESS

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 5 1st Revised SHEET NO. 55.1
 CANCELLING MO.P.S.C. SCHEDULE NO. 5 Original SHEET NO. 55.1

APPLYING TO CITY OF ST. LOUIS AND ST. LOUIS COUNTY, MISSOURI

SERVICE CLASSIFICATION NO. 8(M)
PRIVATE ORNAMENTAL STREET LIGHTING RATES
RATE OF LIMITED APPLICATION (Cont'd.)

*Fuel and Purchased Power Adjustment (Rider FAC) and Environmental Cost Recovery Mechanism (Rider ECRM). The kilowatt hours for lighting service provided under the terms of this Service Classification shall be subject to the provisions of Company's Rider FAC and Rider ECRM. 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>Incandescent</u>		January	408
1,000	103	February	347
2,500	202	March	346
4,000	327	April	301
		May	279
		June	255
		July	272
		August	298
		September	322
		October	368
		November	387
		December	417

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UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 5 13th Revised SHEET NO. 67.1
 CANCELLING MO.P.S.C.SCHEDULE NO. 5 12th Revised SHEET NO. 67.1

APPLYING TO MISSOURI SERVICE AREA

SERVICE CLASSIFICATION NO. 11(M)
LARGE 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	\$276.00
Energy Charge - per kWh	3.05¢
Demand Charge - per kW of Billing Demand	\$18.25
Reactive Charge - per kVar	32.00¢

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

Customer Charge - per month	\$276.00
Energy Charge - per kWh	2.70¢
Demand Charge - per kW of Billing Demand	\$8.29
Reactive Charge - per kVar	32.00¢

Optional Time-of-Day Adjustments

Additional Customer Charge - per month \$18.00 per month

Energy Adjustment - per kWh	On-Peak	Off-Peak
	<u>Hours(1)</u>	<u>Hours(1)</u>
Summer kWh(June-September billing periods)	+0.59¢	-0.33¢
Winter kWh(October-May billing periods)	+0.27¢	-0.14¢

(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.

**Environmental Cost Recovery Mechanism (Rider ECRM). Applicable to all metered kilowatt-hours (kWh) of energy.

Payments. Bills are due and payable within ten (10) days from date of bill.

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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APPLYING TO MISSOURI SERVICE AREA

MISCELLANEOUS CHARGES

A. Reconnection Charges per Connection Point

Sheet No. 106, Par. B-3 (Annually Recurring Service)	\$30.00
Sheet No. 184, Par. I (Reconnection of Service)	30.00

*B. Supplementary Service Minimum Monthly Charges

Sheet No. 103, Par. C-3

<u>Charges applicable during 4 monthly billing periods of June through September</u>	<u>Primary Service Rate</u>
--	-----------------------------

Customer Charge per month, plus	\$276.00
All kW @	\$18.25

<u>Charges applicable during 8 monthly billing periods of October through May</u>	<u>Primary Service Rate</u>
---	-----------------------------

Customer Charge per month, plus	\$276.00
All kW @	\$8.29

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.

APPLYING TO MISSOURI SERVICE AREA

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

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

Customer Charge - per month	\$276.00
Demand Charge - per kW of Billing Demand	\$15.03
Energy Charge - per kWh	2.852¢
Reactive Charge - per kVar	32.000¢

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

Customer Charge - per month	\$276.00
Demand Charge - per kW of Billing Demand	\$5.73
Energy Charge - per kWh	2.511¢
Reactive Charge - per kVar	32.000¢

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

**Environmental Cost Recovery Mechanism (Rider ECRM). Applicable to all metered kilowatt-hours (kWh) of energy.

*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 \$0.0386 per kWh after appropriate Rider C adjustment of meter readings.

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APPLYING TO MISSOURI SERVICE AREA

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

1. Transmission Service Requirements. Company's obligation to provide service under this service classification is conditioned upon receipt of approval from the appropriate Regional Transmission Organization ("RTO") to incorporate customer's load within Company's Network Integration Transmission Service agreement without the obligation or requirement that Company construct, upgrade, or improve any existing or new transmission plant or facilities.

Customer shall be responsible for securing firm transmission service throughout the Contract Term outside of Company's control area at no cost or charge to Company (except for Energy Line Losses), if necessary, and customer agrees to indemnify and hold Company harmless from all such costs or charges imposed or billed. In any event, customer shall be responsible for all costs and charges imposed or billed to Company from an RTO that are based on the fact that customer's load is not directly connected to Company's system (e.g. Through and Out rates imposed by the Midwest Independent System Operator, Inc.)

2. Credit Requirements. A customer taking service under this service classification shall agree to the following special credit terms and conditions, in addition to those that may be required pursuant to Company's rules, regulations, rates or tariffs. In addition to and without limiting Company's other rights and remedies in law and at equity, Company, upon request and in its sole discretion, may demand of customer a security deposit in the form of cash, letter of credit or surety bond, equal to two times (2x) the highest monthly utility bill from the prior 12-month period, upon the occurrence of any of the following:
- a. an assignment to customer or customer's parent of a long-term public debt rating by Moody's that falls below the rating of Baa3;
 - b. an assignment to customer or customer's parent of a long-term public debt rating by Standard & Poor's that falls below the rating of BBB-;
 - c. a significant change in ownership, as determined by Company, including but not limited to a change in ownership or possession of the assets of customer;
 - d. the assessment of two (2) late payment charges within any 12 month rolling period; or
 - e. Customer makes an assignment for the benefit of creditors, or otherwise becomes bankrupt or insolvent (however evidenced).

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

3. **Payments.** Bills are due and payable within ten (10) days from date of bill.
4. **Contract Term.** A Customer taking service under this service classification 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 service classification 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.** The rates specified in this service classification shall be applicable to any customer that satisfies all of the following: 1) meets the Rate Application conditions of the Large Primary Service rate, 2) if necessary, arranges and pays for transmission service for the delivery of electricity over the transmission facilities of a third party, 3) 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 4) meets all other required terms and conditions of this service classification.
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.
8. **Demand Meters.** Company will be responsible for the demand meters which have been installed for the measurement of demands.

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

9. **Minimum Billing.** Customer's minimum monthly billing amount owed to the Company in each billing month (which shall correspond to the calendar month) shall consist of the applicable Customer Charge, plus the Demand Charge, Energy Charge and Reactive Charge, as specified on Sheet No. 68, applied to the greater of: a) the kWhs used by the Company in the development of the Energy Charges and the kW and kVar used by the Company in the development of the Demand Charges and the Reactive Charge (including the energy line loss rate provided for above) or b) the billing units that would be applicable to the customer's facility for the billing month in the absence of part a) of this sentence. In exchange for customer's obligation to pay its minimum monthly billing amount, Company shall be obligated to tender a quantity of kWh each calendar month equal to the greater of part a) or b) in the immediately preceding sentence; provided, that if less than the quantity of kWh provided for in part a) is taken by customer in a month the provisions of section 11, below, shall apply.

The billing demand used to calculate the Demand Charge under b) shall be the highest demand established during peak hours or 50% of the highest demand established during off-peak hours, whichever is highest during the month, but in no event less than 5,000 kilowatts.

Peak hours 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 following days: New Year's Day, Independence Day, Thanksgiving Friday, Good Friday, Labor Day, Christmas Eve Day, Memorial Day, Thanksgiving Day, Christmas Day.

All times stated above apply to the local effective time.

10. **Reactive Charge.** The kVar charge specified in this service classification shall be applicable to the kilovars by which the customer's average metered kilovars exceed the customer's kilovars at an average power factor of 90% lagging during the billing period. Such average kilovar billing units shall be determined in accordance with the following formula:

$$kVar = \left(\frac{kVarh}{kWh} - 0.4843 \right) (kW)$$

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

where:

kVar = kilovar billing units

kVarh = metered kilovarhours

kWh = metered kilowatthours

kW = metered kilowatts

0.4843 = kilovar requirement at 90% lagging power factor. Where in Company's sole judgment application of the above formula would not be appropriate to a customer, an agreement between Company and customer for the costs or charges associated with reactive supply facilities may be substituted for said formula.

11. Energy Sales - Customer Credit.

- a. If customer's total metered energy consumption in a calendar month is less than the total kWh for that month that were used by the Company in the development of the Energy Charge applicable to that month (the Shortfall), customer will continue to owe the minimum monthly billing amount specified in Section 9, but, except as otherwise provided in Paragraph 11, the Company will credit customer's account in an amount equal to the "Net Monthly Credit" for that month, which is determined as follows:

Company will calculate a "Net Energy Price" for each hour in the calendar month when the kWh consumed by customer (Actual Hourly Usage) were less than the kWh in that same hour in the corresponding calendar month that were used by the Company in the development of the Energy Charge (the Base Hourly Usage). The Net Energy Price for a given hour shall be equal to (1) the hourly locational marginal price of the load zone "AMMO.UE" for that hour in the real time energy market operated by the Midwest Independent Transmission System Operator, Inc. (Midwest ISO), net of, (2) the Midwest ISO Real-Time RSG First Pass Distribution Rate for that hour. The per kWh weighted monthly average of the Net Energy Prices that were determined in the immediately preceding sentence for that calendar month, expressed on a per kWh basis, will then be multiplied by the Shortfall from that calendar month to determine the "Net Monthly Credit."

If the Company is not a participant in the Midwest ISO's energy markets, an equivalent real-time energy price (net of

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

any RSG-type charges) in power markets to which the Company has reasonable access shall be used as the Net Energy Price to determine the Net Monthly Credit called for above.

- b. Notwithstanding any term or condition of Rider FAC to the contrary, the sums credited to customer's account as provided for in 11.a above shall be recorded to Account No. 421, and the real time energy transactions and the associated Net Energy Credits shall not constitute Off-System Sales in factor OSSR in Rider FAC, and they shall not be reflected in any other component of determining rate adjustments under Rider FAC.
- c. All right, title and interest in and to energy that is sold to generate the Net Monthly Credit is property of the Company and shall remain with the Company until the energy is actually sold to the buyer thereof. All right, title, and interest in and to the proceeds of energy that is sold to generate the Net Monthly Credit is property of the Company. If at the time a Net Monthly Credit is to be posted to customer's account customer has not paid its prior minimum monthly billings in full (even if customer is insolvent, bankrupt, dissolved or otherwise ceases to exist), the Company shall be entitled to retain that portion of the Net Monthly Credit (calculated as if customer were not insolvent, bankrupt, dissolved or otherwise not in existence) that is necessary to cover any such under-payment.
- d. Notwithstanding the provisions of 11.a and 11.b above: Where a customer taking service under this service classification fails to demonstrate a metered demand of at least 25 percent of the kWh used by the Company in the development of the Energy Charge in any given monthly billing period, then the Net Monthly Credit for that billing month, determined as provided for in 11.a above, shall be capped at an amount that is equal to the minimum monthly bill amount less the monthly bill amount that would be applicable to customer's facility for the billing month in the absence of part a) of Section 9. The positive difference between the credit calculated under 11.a and the capped credit amount calculated under this 11.d, if any, shall constitute Off-System Sales in factor OSSR in Rider FAC.

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SERVICE CLASSIFICATION NO. 12 (M)
LARGE TRANSMISSION SERVICE RATE (Cont'd.)

- e. Where a customer entirely ceases taking service under this service classification for any reason (including due to plant shut down, bankruptcy, dissolution, or otherwise), the provisions of 11.a through 11.c shall continue to apply to customer's billing quantities under 9.a) above until the occurrence of the first of the following two events: (i) the effective date of new rates resulting from a general rate proceeding for the Company that is concluded after customer ceases taking service under this service classification, or (ii) until the end of the initial Contract Term (June 1, 2020).
- f. To the extent not all of the data necessary to determine the Net Monthly Credit for a billing month exists at the time a monthly bill is sent to customer, the Company will estimate the sums necessary to calculate the expected Net Monthly Credit (if any). Later bills shall be adjusted to reflect any changes in the previously billed amounts once actual data is available.
12. **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 service classification.

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MISSOURI SERVICE AREARIDER FACFUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)

$$FPA_{(RP)} = [[(CF+CPP-OSSR-TS-S) - (NBFC \times S_{AP})] \times 95\% + I + R] / S_{RP}$$

The FPA rate, which will be multiplied by the voltage level adjustment factors set forth below, applicable starting with the following Recovery Period is calculated as:

$$FPA_C = FPA_{(RP)} + FPA_{(RP-1)} + FPA_{(RP-2)}$$

where:

FPA_C = Fuel and Purchased Power Adjustment rate applicable starting with the Recovery Period following the applicable Filing Date.

FPA_{RP} = FPA Recovery Period rate component calculated to recover under/over collection during the Accumulation Period that ended prior to the applicable Filing Date.

$FPA_{(RP-1)}$ = FPA Recovery Period rate component from prior FPA_{RP} calculation, if any.

$FPA_{(RP-2)}$ = FPA Recovery Period rate component from FPA_{RP} calculation prior to $FPA_{(RP-1)}$, if any.

CF = Fuel costs incurred to support sales to all retail customers and Off-System Sales allocated to Missouri retail electric operations, including transportation, associated with the Company's generating plants. These costs consist of the following:

* a) For fossil fuel or hydroelectric plants:

(i) the following costs reflected in Federal Energy Regulatory Commission (FERC) Account Number 501: coal commodity, applicable taxes, 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 (for purposes of factor CF, hedging is defined as realized losses and costs minus realized gains associated with mitigating volatility in the Company's cost of fuel and purchased power, 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), hedging costs associated with SO₂ and fuel oil

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- *TS = The Accumulation Period value of Taum Sauk. This factor will be used to reduce actual fuel costs to reflect the value of Taum Sauk, and will be credited in FPA filings (of which there are three each year as shown in the table above), until the next rate case or, if sooner, until Taum Sauk is placed back in service. This value is \$26.8 million annually, one third of which (i.e., \$8.93 million) will be applied to each Accumulation Period.
- S = The Accumulation Period value of Blackbox Settlement Amount of \$3 million annually, which shall expire on September 1, 2010. One third of the annual value (\$1 million) shall be applied to each Accumulation Period. For the Accumulation Period during which the factor expires, the factor shall be prorated according to the number of days during which it was effective during that Accumulation Period.
- *I = Interest applicable to (i) the difference between Actual Net Fuel Costs (adjusted for Taum Sauk and factor "S") and NBFC for all kWh of energy supplied to Missouri retail customers during an Accumulation Period until those costs have been recovered; (ii) refunds due to prudence reviews (a portion of factor R, below); and (iii) all under- or over-recovery balances created through operation of this FAC, as determined in the true-up filings provided for herein (a portion of factor R, below). 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.
- *R = Under/over recovery (if any) from currently active and prior Recovery Periods as determined for the FAC true-up adjustments, and modifications due to adjustments ordered by the Commission (other than the adjustment for Taum Sauk as already reflected in the TS factor), as a result of required prudence reviews or other disallowances and reconciliations, with interest as defined in item I.
- S_{AP} = Supplied kWh during the Accumulation Period that ended prior to the applicable Filing Date, at the generation level.
- S_{RP} = Applicable Recovery Period estimated kWh, at the generation level, subject to the FPA_{RP} to be billed.

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RIDER FAC
FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)

* NBFC = Net Base Fuel Costs are the net costs determined by the Commission's order as the normalized test year value (and reflecting an adjustment for Taum Sauk, consistent with the term TS) for the sum of allowable fuel costs (consistent with the term CF), plus cost of purchased power (consistent with the term CPP), less revenues from off-system sales (consistent with the term OSSR), less an adjustment (consistent with the term "S"), expressed in cents per kWh, at the generation level, as included in the Company's retail rates. The NBFC rate applicable to June through September calendar months ("Summer NBFC Rate") is 1.102 cents per kWh. The NBFC rate applicable to October through May calendar months ("Winter NBFC Rate") is 1.494 cents per kWh.

*To determine the FPA rates applicable to the individual Service Classifications, the FPA_c rate determined in accordance with the foregoing will be multiplied by the following voltage level adjustment factors:

Secondary Voltage Service	1.0789
Primary Voltage Service	1.0459
Large Transmission Voltage Service	1.0124

The FPA rates applicable to the individual Service Classifications shall be rounded to the nearest 0.001 cents, to be charged on a cents/kWh basis for each applicable kWh billed.

***TRUE-UP OF FAC**

After completion of each Recovery Period, the Company will make a true-up filing in conjunction with an adjustment to its FAC, where applicable. The true-up filings shall be made on the first Filing Date that occurs at least two (2) months after completion of each Recovery Period. Any true-up adjustments or refunds shall be reflected in item R above, and shall include interest calculated as provided for in item I above.

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

GENERAL RATE CASE/PRUDENCE REVIEWS

The following shall apply to this Fuel and Purchased Power Adjustment Clause, 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 Missouri Public Service Commission order implementing or continuing this Fuel and

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RIDER FAC

FUEL AND PURCHASED POWER ADJUSTMENT CLAUSE (CONT'D.)

Calculation of Current FPA_C Rate:

Accumulation Period Ending:	mm/dd/yy
1. Total Energy Cost (CF+CPP-OSSR-TS-S)	\$0
2. Base Energy Cost	-
2.1 NBFC (\$/kWh)	x \$0.0000
2.2 Accumulation Period Sales kWh (S _{AP})	0
3. First Subtotal (1.-2.)	\$0
4. Customer Responsibility	x 95%
5. Second Subtotal	\$0
6. Adjustment for Under / Over recovery for Prior Periods Plus Interest (I + R)	± \$0
7. Third Subtotal	\$0
8. Estimated Recovery Period Sales kWh (S _{RP})	÷ 0
9. FPA _{RP}	\$0.0000
10. FPA _{RP-1}	+ \$0.0000
11. FPA _{RP-2}	+ \$0.0000
12. FPA _C (without Voltage Level Adjustment)	\$0.0000
*13. Voltage Level Adjustment Factor	
13.1 Secondary	x 1.0789
13.2 Primary	x 1.0459
13.3 Large Transmission	x 1.0124
14. FPA _C (with voltage level adjustment)	
14.1 Secondary	\$0.0000
14.2 Primary	\$0.0000
14.3 Large Transmission	\$0.0000

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***RIDER ECRM**

ENVIRONMENTAL COST RECOVERY MECHANISM

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), 7(M), 8(M), 11(M), and 12(M).

Costs passed through this Environmental Cost Recovery Mechanism (ECRM) reflect differences between the actual environmental revenue requirement (factor ERR, as defined below) and the base environmental revenue requirement (factor ERRB, as defined below), calculated and recovered as provided for herein.

For the purpose of this ECRM, the Accumulation Periods, Filing Dates, and Recovery Periods for adjustments to the Company's ECRM are set forth in the following table:

<u>Accumulation Period (AP)</u>	<u>Filing Date</u>	<u>Recovery Period (RP)</u>
February through May	By August 1	October through September
June through January	By April 1	June through May

Accumulation Period (AP) means the historical calendar months during which environmental costs are incurred. The initial Accumulation Period shall begin on the date this Rider becomes effective and ends on the last day of January 2011. The subsequent Accumulation Periods shall be from February through May and from June through January of each succeeding year. Each subsequent Accumulation Period shall begin immediately following the end of the previous Accumulation Period.

Recovery Period (RP) means the billing months during which the difference between the actual environmental revenue requirement (factor ERR, defined below) during an Accumulation Period and the base environmental revenue requirement (factor ERRB, defined below) is applied to and reflected through retail customer billings on a per kWh basis, as adjusted for service voltage level. Each Recovery Period shall be the twelve (12) month period beginning on the first day of the month following two (2) months after the Filing Date.

The Company will make an Environmental Cost Adjustment (ECA) filing by each Filing Date, which shall be not more than two (2) months after the end of the applicable Accumulation Period as shown in the above table. The new ECA rates for which the filing is made will be applicable starting with the Recovery Period that begins following the Filing Date. All ECRM adjustment filings shall be accompanied by detailed work papers supporting the filing in an electronic format.

ECA DETERMINATION

The difference between the actual environmental revenue requirement and the base environmental revenue requirement shall be reflected as an ECA_c credit

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***RIDER ECRM**

ENVIRONMENTAL COST RECOVERY MECHANISM (CONT'D)

or debit, stated as a separate line item on the customer's bill, and will be calculated according to the formulas below.

Any adjustment made to the applicable ECRM rate (ECA_c) shall not generate an annual amount of revenue that exceeds two and one-half percent (2.5%) of the Company's annual Missouri gross jurisdictional base rate retail revenues established in the most recent general rate proceeding. The Company shall also be able to collect any applicable gross receipts taxes, sales taxes, and other similar pass-through taxes on ECRM billing amounts and such taxes shall not be counted against the 2.5% rate adjustment cap. Any amounts not recovered by the Company under this Rider ECRM as a result of this 2.5% limitation on rate adjustments will be deferred, at a carrying cost each month equal to the Company's net of tax cost of capital (i.e., the return on rate base, or return on capital, as allowed by the Missouri Public Service Commission (Commission) in the most recent general rate proceeding), to be recovered in a subsequent Recovery Period or in the Company's next general rate proceeding if not fully recovered in a subsequent Recovery Period.

The Recovery Period rate component to reflect differences (increases or decreases) in the actual environmental revenue requirement and the environmental revenue requirement collected in retail rates during the recently-completed Accumulation Period is calculated as:

$$ECA_{(RP)} = [ERR - ((ERRB + ECA_{(B-1)}) \times S_{AP}) + DEF + I + R] / S_{RP}$$

The ECA_c rate, which will be multiplied by the voltage level adjustment factors set forth below, applicable until a subsequent ECA_c is implemented by a new filing, is calculated as:

$$ECA_c = ECA_B + ECA_{(RP)} + ECA_{(RP-1)} - ECA_{DEF}$$

where:

ECA_c = Environmental Cost Adjustment rate applicable starting with the Recovery Period following the applicable Filing Date.

ECA_B = Environmental capital cost adjustment rate determined as the difference in the environmental capital-related revenue requirement, expressed in cents per kWh at the generation level, between (i) the depreciation, taxes, and return on capital of any major capital projects whose primary purpose is to permit the Company to comply with any federal, state or local environmental law, regulation or rule as reflected on the Company's books and records as of the last day of the Accumulation Period that ended prior to the applicable Filing Date; and (ii) the depreciation, taxes, and

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APPLYING TO MISSOURI SERVICE AREA*RIDER ECRMENVIRONMENTAL COST RECOVERY MECHANISM (CONT'D)

return on capital of any major capital projects whose primary purpose is to permit the Company to comply with any federal, state or local environmental law, regulation or rule as reflected in the ERRB rate approved by the Commission in the most recent general rate proceeding. This ECA_B rate, applicable starting with the Recovery Period immediately following the applicable Filing Date, shall be determined based on the difference between (i) and (ii) above, divided by the normalized kWh at the generation level as approved by the Commission in the Company's most recent general rate case proceeding.

$ECA_{(B-1)}$ = the ECA_B rate applicable during the Accumulation Period that ended prior to the applicable Filing Date, if any.

ECA_{RP} = ECA Recovery Period rate component calculated to recover under/over collection during the Accumulation Period that ended prior to the applicable Filing Date.

$ECA_{(RP-1)}$ = ECA Recovery Period rate component from the prior ECA_{RP} calculation, if any remains in effect.

ECA_{DEF} = ECA rate component for environmental costs that must be deferred as a result of the 2.5% limitation on annual rate adjustments as defined above.

ERR = Environmental revenue requirement actually incurred during the applicable Accumulation Period, which shall encompass (i) all expensed environmental costs (other than taxes and depreciation associated with capital projects) incurred during the Accumulation Period to comply with federal, state or local environmental laws, regulations or rules (to be offset by net revenues from the sale of emission allowances); and (ii) the depreciation, taxes, and return on capital incurred during the Accumulation Period for any major capital projects whose primary purpose is to permit the Company to comply with any federal, state or local environmental law, regulation or rule, as reflected on the Company's books and records during the Accumulation Period.

ERRB = The base environmental revenue requirement as determined in the Company's general rate proceeding in which the ECRM is established consisting of (i) expensed environmental costs included in factor ERR for the normalized test year, as updated or trued-up (other than taxes and depreciation) and (ii) the depreciation, taxes and return on capital for any

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APPLYING TO MISSOURI SERVICE AREA*RIDER ECRMENVIRONMENTAL COST RECOVERY MECHANISM (CONT'D)

major capital projects whose primary purpose is to permit the Company to comply with any federal, state or local environmental law, regulation or rule, as reflected in the rate base approved by the Commission in the Company's general rate proceeding in which the ECRM was established. The ERRB expressed in cents per kWh at the generation level, included in the Company's retail rates, is 0.1345 cents per kWh.

DEF = Environmental costs deferred from previous periods due to the application of the 2.5% limitation on annual adjustments, with interest at a rate equal to the Company's net of tax cost of capital (i.e., the return on rate base, or return on capital as allowed by the Commission in the most recent general rate proceeding).

I = Interest applicable to (i) the difference between the actual environmental revenue requirement and the environmental revenue requirement recovered in rates; (ii) refunds due to prudence reviews and other regulatory adjustments (a portion of factor R below); and (iii) all under- or over-recovery balances created through operation of this ECRM, as determined in true-up filings provided for herein (also a portion of factor R, below). 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.

R = Under/over recovery, if any, from currently active and prior Recovery Periods as determined for the ECRM true up adjustments, and modifications due to adjustments ordered by the Commission, as a result of required prudence reviews or other disallowances and reconciliations, with interest as defined in item I.

S_{AP} = Supplied kWh during the Accumulation Period that ended prior to the applicable Filing Date, at the generation level.

S_{RP} = Applicable Recovery Period estimated kWh, at the generation level, subject to the ECA_{RP} to be billed.

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APPLYING TO MISSOURI SERVICE AREA

***RIDER ECRM**

ENVIRONMENTAL COST RECOVERY MECHANISM (CONT'D)

To determine the ECRM rates applicable to the individual Service Classifications, the ECA_c determined in accordance with the foregoing will be multiplied by the following voltage level adjustment factors:

Secondary Voltage Service	1.0789
Primary Voltage Service	1.0459
Large Transmission Service	1.0124

The ECA rates applicable to the individual Service Classifications shall be rounded to the nearest 0.001 cents, to be charged on a cents/kWh basis for each applicable kWh billed.

TRUE-UP OF ECRM

After the completion of each Recovery Period, the Company will make a true-up filing in conjunction with an adjustment to its ECRM, where applicable. The true-up filings shall be made on the first Filing Date that occurs at least two (2) months after completion of each Recovery Period. Any true-up adjustments or refunds shall be reflected in item R above, and shall include interest calculated as provided for in item I above.

True-up adjustments shall be the difference between the revenue billed and the revenue authorized for collection during the Recovery Period.

GENERAL RATE CASE/PRUDENCE REVIEWS

The following shall apply to this ECRM, in accordance with Section 386.266.4, RSMo. and applicable 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 established in such general rate case to be no later than four (4) years after the effective date of a Commission order implementing or continuing this ECRM. The four (4) year period referenced above shall not include any periods in which the Company is prohibited from collecting any charges under this ECRM, or any period for which charges hereunder must be fully refunded. In the event a court determines that this ECRM is unlawful and all moneys collected hereunder are fully refunded, the Company shall be relieved of the obligation under this ECRM to file such a rate case.

Prudence reviews of the costs subject to this ECRM shall occur no less frequently than every eighteen (18) months, and any such costs which are determined by the Commission to have been imprudently incurred shall be returned to customers with interest at the Company's short-term borrowing rate.

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***RIDER ECRM**

ENVIRONMENTAL COST RECOVER MECHANISM (CONT'D.)

Calculation of Current ECA_C Rate:

Accumulation Period Ending:	mm/dd/yy
1. Total Environmental Revenue Requirement (ERR)	\$0
2. Base Environmental Revenue Requirement	-
2.1 ERRB (\$/kWh)	\$0.0000
2.2 ECA _(B-1) (\$/kWh)	+ \$0.0000
2.3 Accumulation Period Sales kWh (S _{AP})	0
3. First Subtotal (1.-2.)	\$0
4. Deferred Environmental costs from prior periods (DEF)	+ \$0
5. Adjustment for Under / Over recovery for Prior Periods Plus Interest (I + R)	± \$0
6. Third Subtotal	\$0
7. Estimated Recovery Period Sales kWh (S _{RP})	÷ 0
8. ECA _B	\$0.0000
9. ECA _{RP}	+ \$0.0000
10. ECA _{RP-1}	+ \$0.0000
11. ECA _{DEF}	- \$0.0000
12. ECA _C (without Voltage Level Adjustment)	\$0.0000
13. Voltage Level Adjustment Factor	
13.1 Secondary	x 1.0789
13.2 Primary	x 1.0459
13.3 Large Transmission	x 1.0124
14. ECA _C (with voltage level adjustment)	
14.1 Secondary	\$0.0000
14.2 Primary	\$0.0000
14.3 Large Transmission	\$0.0000

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MO.P.S.C. SCHEDULE NO. 5

20th Revised

SHEET NO. 99

CANCELLING MO.P.S.C. SCHEDULE NO. 5

19th Revised

SHEET NO. 99

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 \$1.06/kW of billing demand for customers taking service at 34.5 or 69kV
- *2. A monthly credit of \$1.25/kW of billing demand for customers taking service at 115kV or higher

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MO.P.S.C. SCHEDULE NO. 5 7th Revised SHEET NO. 170CANCELLING MO.P.S.C. SCHEDULE NO. 5 6th Revised SHEET NO. 170APPLYING TO MISSOURI SERVICE AREAGENERAL RULES AND REGULATIONSV. BILLING PRACTICES

- b. In the event of an undercharge, an adjustment shall be made for the entire period that the undercharge can be shown to have existed not to exceed twelve (12) monthly billing periods calculated from the date of discovery inquiry or actual notification of the Company, whichever was first;
- c. Where, upon test, an error in measurement is found to be within the limits prescribed by Commission rules, no billing adjustment will be made;
- d. When evidence of obstruction is found, or there are misrepresentations of the use of service by the customer, the Company will calculate the billing adjustment period in accordance with the applicable statute of limitations for the prosecution of such claim after determining the probable period during which such condition existed from all related and available information; and
- e. In any event, no billing adjustment will be made where the full amount of the adjustment is less than one dollar (\$1) and no interest shall be paid or collected on any billing adjustment provided for herein.
- *f. No corrections to metering data for meter error shall extend beyond the in-service date of the meter discovered to be in error, nor shall any correction be required to extend beyond the date upon which the current customer first occupied the premises at which the error is discovered.
2. Non-Residential - For all non-residential billing errors, the Company will determine from all related and available information the probable period during which the error condition existed and shall make billing adjustments for the estimated period involved as follows:
- a. No billing adjustment will be made where the dollar amount of the adjustment is less than \$15.00. No interest shall be paid or collected on any billing adjustment provided for herein.
- b. Where upon test an average meter error is found to be greater than 2 percent a billing adjustment will be made to compensate customer where the meter reads fast, and to compensate Company where the meter reads slow. However,

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