

# **RATE APPLICATION MANUAL**

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## **Kansas City Board of Public Utilities**



**APPROVED BY THE BPU BOARD DEC. 20, 2006**

<b>Rate Application Manual</b>		
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<b>Rate Application Manual</b>		
<b>INTRODUCTION</b>	<b>BOARD OF PUBLIC UTILITIES KANSAS CITY, KANSAS</b>	<b>Page 1 of 1</b>

This manual has been prepared to assist in the application of rates of the Board of Public Utilities (BPU) of Kansas City, Kansas and in the billing of rates of the Unified Government of Wyandotte County/Kansas City, Kansas (the Unified Government). It is divided into five sections, with Section I being an introduction and a glossary containing definitions of terms used in Section II and III of this manual.

Sections II-V include a complete set of rates for electric, water, water pollution abatement, and residential trash. Sections II and III include all electric and water rate schedules for the BPU under which customers may be served. Sections IV and V include rate schedules for water pollution abatement and residential trash service of the Unified Government. These rates are set by the Unified Government, and these services are provided by the Unified Government and are billed by the BPU. The inclusion of the rates set forth in Section IV and V of the rate manual are for billing reference purposes only.

In the event that a customer qualifies for service under more than one BPU rate schedule, the customer should be placed on the rate which is most favorable to the customer. However, this does not mean that the customer should be switched from one schedule to another during different periods of the year. While the rates contained herein are based upon monthly use, they have been determined on an annual basis, which means that once a rate schedule is selected it should remain in effect for that customer for at least one year.

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The following is a list of definitions of terms used in this manual. It is provided for the purpose of assisting the users in proper use and application of the rates. These definitions and terms are those commonly used in the utility industry. Should you have any questions or need further clarification, please contact the Customer Service Department.

**BASE MONTHLY CHARGES:** Base Monthly Charges are defined as the amount determined from the application of the rate schedule before adding (or subtracting) any amount from the application of any Rider or the addition of any taxes.

**COMMERCIAL USE:** Commercial use is defined as non-residential consumption which is not primarily and directly used in the creation of a product or used in one of the primary industries.

**CONTRACT DEMAND:** A customer's contract demand is the amount of power which a customer agrees to pay to have available at all times. Because this refers to power, which must be made available, as opposed to energy, which can actually be consumed, contract demand is measured in kilowatts, not kilowatt-hours.

**CUBIC FOOT (CU. FT.):** A cubic foot is a volumetric measurement of use in the water industry and contains approximately 7.48 gallons. One hundred (100) cubic feet is therefore approximately 748 gallons.

**CUSTOMER CHARGE:** A Customer Charge is one of the Base Monthly Charges in a rate schedule. This charge normally provides for recovery of costs associated with the fact that certain costs are incurred because customers exist and are not related to how much energy a customer uses. The Customer Charge includes a portion of meter reading, bill calculation, postage and the expenses associated with the basic plant investment at each service location, such as meters, transformers, service lines, etc.

**DEMAND:** The greatest average customer load on the Utility's electric system measured in a 30 minute period during the month, expressed in terms of kilowatts.

**DEMAND CHARGE:** A Demand Charge is a rate applied to a customer's billing demand expressed in Kilowatts (kW). Such a charge is commonly used for General Service and Large Power Service customers.

**DISTRIBUTION:** The locally-owned power system used to deliver electric energy to Utility's native load customers. Distribution facilities are low-voltage when compared to transmission.

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**ENERGY CHARGE:** An Energy Charge is a rate applied to the amount of energy used by a customer, expressed in Kilowatt-hours (kWh).

**ENERGY RATE COMPONENT:** An Energy Rate Component (ERC) is a rider applied to the amount of energy used by a customer to recover most of the Utility's fuel and purchased power costs.

**FACILITIES CHARGE:** A monthly charge used to recover capital costs and related expenses associated with distributing electricity from the Utility's substation to the customer's service conductor (or for primary service to the customer's transformer.) The Facilities Charge is based on the customer's Facilities Demand.

**HOLIDAYS:** The following days:

- |                             |                           |
|-----------------------------|---------------------------|
| 1. New Year's Day           | 6. Independence Day       |
| 2. Martin Luther King's Day | 7. Labor Day              |
| 3. President's Day          | 8. Thanksgiving           |
| 4. Good Friday              | 9. Day After Thanksgiving |
| 5. Memorial Day             | 10. Christmas Day         |

**INDUSTRIAL USE:** Industrial use is defined as non-residential use wherein the primary use of the commodity is in the fabrication of a product or use in a primary industry.

**KILOWATT (kW):** A Kilowatt is 1000 watts (Kilo = 1000, and a watt is a measurement of electrical power).

**KILOWATT-HOUR (kWh):** A kilowatt-hour is 1000 watt-hours and is a measure of energy. It is the time rate use of power. As an example: A 100 watt light bulb used for 10 hours would be 1000 watt-hours or 1 kWh.

**LOAD:** The amount of electric power required at any specified point or points on the electric system. Load originates primarily at the power consuming equipment of the customers.

**LOAD FACTOR:** A measurement showing how efficiently capacity is being utilized within a system. The higher the load factor, the better the efficiency. Load factor is the ratio of the average load in kilowatts supplied during a designated period to the peak load in kilowatts occurring in that period. Load factor, expressed as a percentage, is calculated by multiplying the kilowatt-hours in the period by 100 and dividing by the product of the maximum demand in kilowatts and the number of hours in the period.

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**MARGINAL COST:** The Utility's power supply cost of providing additional power and energy output for new or increased load served under the Economic Development Rider E13.

**MILL:** A Mill is one thousandth of a dollar (\$0.001). It has value in expressing small numbers in that it reduces the need to use zeroes.

**POWER FACTOR:** Power Factor is a term used to express the ratio of actual power required by a customer's load versus the amount of power that has to be generated to serve that load. Certain appliances, such as motors, require that more power be supplied to operate the device than just the amount of power the device puts out.

**RESIDENTIAL:** Residential use is defined as use in a dwelling or in a facility where the primary nature of the facility is that of a residence or dwelling where not more than 25 KVA of installed or allocated transformer capacity is required. Where more than 25 KVA of installed or allocated transformer capacity is required, the Small General Service Rate Schedule shall apply. Multi-family dwellings are considered residences when billed as individual units, otherwise the facility is considered commercial.

**RIDER:** A Rider is an addition to the rate schedule. The primary purpose of a rider is to set out a provision that may not be included in the Base Monthly Charges and may have application to more than one rate schedule and thus eliminates the need for redundancy from one rate schedule to another.

**SUBSTATION:** A facility, which changes or regulates the voltage of electricity from transmission to distribution.

**SUMMER:** The period represented by the six consecutive meter reading cycles commencing with the first scheduled meter reading occurring on or after May 1.

**TRANSFORMER:** An electromagnetic device for changing the voltage of alternating current electricity.

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**TRANSMISSION:** The process of transporting electric energy in bulk from a source of supply to other principal parts of the system or to other utilities. Transmission refers to the high-voltage facilities, which transport electric energy.

**WINTER:** The period represented by the six consecutive non-Summer billing months.

<b>Electric Rate Schedule</b>		
<b>GENERAL PURPOSE RESIDENTIAL RATE</b>	<b>BOARD OF PUBLIC UTILITIES KANSAS CITY, KANSAS</b>	<b>Page 1 of 1</b>
<b>RATE CODE 100</b>		

**AVAILABILITY:**

At any point on the Board's existing secondary distribution system.

**APPLICATION:**

For all residential service to single family residences or individually metered residential dwellings.

**CHARACTER OF SERVICE:**

Service will normally be single-phase, 60 cycles at approximately 120/240 volts. Three-phase service may be made available as provided for by the Board's Rules and Regulations.

**MONTHLY RATE:**

	<u>Summer</u>	<u>Winter</u>
CUSTOMER CHARGE .....	\$6.60	6.60 PER MONTH
ENERGY CHARGE		
First 1,000 kWh.....	\$0.0563	0.0563 PER kWh
Next 1,000 kWh.....	\$0.0672	0.0266 PER kWh
All Additional kWh.....	\$0.0992	0.0266 PER kWh

**MINIMUM BILL:**

The Monthly Customer Charge.

**APPLICABLE RIDERS:**

- E1 Energy Rate Component Rider (Page 17)
- E2 Payment-In-Lieu-Of-Tax (Page 20)
- E16 Electric Rate Stabilization Rider (Page 26)

**Rate Code 100**  
**Effective: 1-1-07**  
**Supersedes Rate Effective: 1-1-06**

<b>Electric Rate Schedule</b>		
<b>SMALL GENERAL SERVICE RATE</b> <b>RATE CODE 200-222</b>	<b>BOARD OF PUBLIC UTILITIES</b> <b>KANSAS CITY, KANSAS</b>	<b>Page</b> <b>1</b> <b>of</b> <b>3</b>

**AVAILABILITY:**

At any point on the Board's existing distribution system having adequate capacity and suitable voltage for service.

**APPLICATION:**

For all non-residential service for which no specific schedule is otherwise provided.

**CHARACTER OF SERVICE:**

Service will be either single-phase or three-phase, 60 cycles at a standard voltage as available at customer's service location. Service requested by customer at other voltages will be provided in accordance with the Board's Rules and Regulations.

**MONTHLY RATE:**

	CUSTOMER CHARGE .....	\$16.50 PER MONTH
a)	For Customers with Demand Meter	
	FACILITIES CHARGE	
	SECONDARY SERVICE.....	\$2.47 PER kW
	PRIMARY SERVICE.....	\$1.29 PER kW
	DEMAND CHARGE	
	FIRST 10 kW .....	NO CHARGE
	ALL ADDITIONAL kW.....	\$6.05 PER kW
	ENERGY CHARGE	
	FIRST 3,500 kWh.....	\$ 0.0708 PER kWh
	ALL ADDITIONAL kWh .....	\$ 0.0112 PER kWh
b)	For Customers without Demand Meter	
	ALL kWh .....	\$0.0762 PER kWh

**MINIMUM BILL:**

The Monthly Customer Charge.

<b>Electric Rate Schedule</b>		
<b>SMALL GENERAL SERVICE RATE</b>  <b>RATE CODE 200-222</b>	<b>BOARD OF PUBLIC UTILITIES</b> <b>KANSAS CITY, KANSAS</b>	<b>Page</b> <b>2</b> <b>of</b> <b>3</b>

**FACILITIES DEMAND:**

The facilities demand shall be equal to the highest metered demand occurring in the current month or the preceding 11 months. In no event shall the Facilities demand be less than the customer's contract demand.

**BILLING DEMAND:**

The billing demand for the summer months May through October shall be the greatest average metered kilowatt demand measured in any 30-minute period during the month. Where time-of-use metering equipment has been installed at customer's expense, the billing demand shall be the greatest average kilowatt demand measured in any 30-minute period between the hours of 10:00 a.m. and 8:00 p.m., excluding weekends and Holidays. The billing demand during the winter period shall be the larger of the contract demand or 70% of the largest billing demand during the aforementioned summer months.

**METERING OPTION:**

At the Utility's option, suitable metering equipment may be installed on the primary side of the transformer.

**PRIMARY METERING ADJUSTMENT:**

The Monthly Facilities, Demand and Energy Charges are based on secondary metering. When a primary meter is installed which does not compensate for transformer losses, the customer's total bill, including any adjustments, shall be decreased by 2.3%.

**TRANSFORMER RENTAL:**

Customers may, upon the approval of the Board, rent their service transformers and related equipment for a monthly fee equivalent to the cost of providing and maintaining these facilities.

<b>Electric Rate Schedule</b>		
<b>SMALL GENERAL SERVICE RATE</b> <b>RATE CODE 200-222</b>	<b>BOARD OF PUBLIC UTILITIES</b> <b>KANSAS CITY, KANSAS</b>	<b>Page</b> <b>3</b> <b>of</b> <b>3</b>

**APPLICABLE RIDERS:**

- E1 Energy Rate Component Rider (Page 17)
- E2 Payment-In-Lieu-Of-Tax (Page 20)
- E7 Reactive Adjustment (Page 21)
- E16 Electric Rate Stabilization Rider (Page 26)

<p><b>Rate Code: 200</b>  <b>Effective: 1-1-07</b>  <b>Supersedes Rate Effective: 1-1-06</b></p>
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<b>Electric Rate Schedule</b>		
<b>LARGE GENERAL SERVICE RATE</b> <b>RATE CODE 300-322</b>	<b>BOARD OF PUBLIC UTILITIES</b> <b>KANSAS CITY, KANSAS</b>	<b>Page</b> <b>1</b> <b>of</b> <b>2</b>

**AVAILABILITY:**

At any point on the Board's existing distribution system having adequate capacity and suitable voltage for service.

**APPLICATION:**

For service to customers having a demand of 70 kW or more.

**CHARACTER OF SERVICE:**

Service will be either single-phase or three-phase, 60 cycles at a standard delivery voltage as available at customer's service location. Service requested by customer at other voltages will be provided in accordance with the Board's Rules and Regulations.

**MONTHLY RATE:**

CUSTOMER CHARGE	\$38.48 PER MONTH
FACILITIES CHARGE	
SECONDARY SERVICE.....	\$2.42 PER kW
PRIMARY SERVICE.....	\$1.26 PER kW
DEMAND CHARGE	\$5.77 PER kW
ENERGY CHARGE	
FIRST 300 kWh PER kW.....	\$0.0347 PER kWh
ALL ADDITIONAL ENERGY.....	\$0.0102 PER kWh

**FACILITIES DEMAND:**

The facilities demand shall be equal to the highest metered demand occurring in the current month or the preceding 11 months. In no event shall the Facilities demand be less than 70 kW or the customer's contract demand.

<b>Electric Rate Schedule</b>		
<b>LARGE GENERAL SERVICE RATE</b> <b>RATE CODE 300-322</b>	<b>BOARD OF PUBLIC UTILITIES</b> <b>KANSAS CITY, KANSAS</b>	<b>Page</b> <b>2</b> <b>of</b> <b>2</b>

**BILLING DEMAND:**

The billing demand during the summer months of May through October shall be the larger of the contract demand (as mutually agreed upon) or the greatest average kilowatt demand measured in any 30 minute period during the month but not less than 70 kW. Where time-of-use metering equipment has been installed at customer's expense, the billing demand shall be the greatest average kilowatt demand measured in any 30-minute period between the hours of 10:00 a.m. and 8:00 p.m., excluding weekends and Holidays. The billing demand during the winter period shall be 70% of the largest billing demand during the aforementioned summer months.

**METERING OPTION:**

At the Utility's option, suitable metering equipment may be installed on the secondary side of the transformer.

**SECONDARY METERING ADJUSTMENT:**

The Monthly Facilities, Demand and Energy Charges are based on primary metering. When a secondary meter is installed which does not compensate for transformer losses, the customer's total bill including any adjustments shall be increased by 2.3%

**TRANSFORMER RENTAL:**

Customers may, upon the approval of the Board, rent their service transformers and related equipment for a monthly fee equivalent to the cost of providing and maintaining these facilities.

**APPLICABLE RIDERS:**

- E1 Energy Rate Component Rider (Page 17)
- E2 Payment-In-Lieu-Of-Tax (Page 20)
- E7 Reactive Adjustment (Page 21)
- E13 Economic Development Rider (Page 23)
- E16 Electric Rate Stabilization Rider (Page 26)

**Rate Code: 200**  
**Effective: 1-1-07**  
**Supersedes Rate Effective: 1-1-06**

<b>Electric Rate Schedule</b>		
<b>LARGE POWER SERVICE RATE</b>  <b>RATE CODE 400-446</b>	<b>BOARD OF PUBLIC UTILITIES</b> <b>KANSAS CITY, KANSAS</b>	<b>Page</b> <b>1</b> <b>of</b> <b>3</b>

**AVAILABILITY:**

At any point on the Board's existing system having adequate capacity and suitable voltage for secondary, primary or substation voltage level of service.

**APPLICATION:**

For service to customers having a demand of 4,000 kW at least once in any given 12-month period or new loads estimated to reach 4,000 kW within two years. In the event that a customer has a demand of 4,000 kW and elects to be served under this rate, the rate shall be applied for a period of at least one year.

**CHARACTER OF SERVICE:**

Service will be at three-phase, 60 cycles at a standard delivery voltage as available at customer's service location. Service requested by customer at other voltages will be provided in accordance with the Board's Rules and Regulations.

**MONTHLY RATE:**

CUSTOMER CHARGE..... \$109.94 PER MONTH

FACILITIES CHARGE

SECONDARY SERVICE..... \$2.42 PER kW

PRIMARY SERVICE..... \$1.26 PER kW

SUBSTATION SERVICE..... \$0.38 PER kW

DEMAND CHARGE

FIRST 4,000 kW ..... \$6.82 PER kW

NEXT 6,000 kW ..... \$6.82 PER kW

ALL OVER 10,000 kW ..... \$6.82 PER kW

ENERGY CHARGE

FIRST 300 kWh PER kW \$0.0203 PER kWh

ALL ADDITIONAL kWh \$0.0101 PER kWh

<b>Electric Rate Schedule</b>		
<b>LARGE POWER SERVICE RATE</b>	<b>BOARD OF PUBLIC UTILITIES</b>	<b>Page</b>
<b>RATE CODE 400-446</b>	<b>KANSAS CITY, KANSAS</b>	<b>2</b>
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**FACILITIES DEMAND:**

The Facilities demand shall be equal to the highest metered demand occurring in the current month or the preceding eleven months. In no event shall the Facilities demand be less than the customer's contract demand.

**BILLING DEMAND:**

The billing demand during the summer months of May through October shall be the larger of the contract demand (as mutually agreed upon) or the greatest average kilowatt demand measured in any thirty minute period between the hours of 10:00 a.m. and 8:00 p.m., excluding weekends and holidays. The billing demand during the remaining winter months of the year shall be the larger of the contract demand or 70% of the largest billing demand during the aforementioned summer months.

**METERING OPTION:**

At the Utility's option, suitable metering equipment may be installed on the secondary side of the transformer.

**METERING ADJUSTMENT:**

The monthly demand and energy charges are based on primary metering. When a secondary, substation or transmission meter is installed which does not compensate for transformer losses, the customer's total bill including any adjustments will be adjusted as follows:

SECONDARY	+ 2.0%
SUBSTATION	- 3.8%
TRANSMISSION	- 4.3%

**TRANSFORMER RENTAL:**

Customers may, upon the approval of the Board, rent their service transformers and related equipment for a monthly fee equivalent to the cost of providing and maintaining these facilities.

<b>Electric Rate Schedule</b>		
<b>LARGE POWER SERVICE RATE</b> <b>RATE CODE 400-446</b>	<b>BOARD OF PUBLIC UTILITIES</b> <b>KANSAS CITY, KANSAS</b>	<b>Page</b> <b>3</b> <b>of</b> <b>3</b>

**APPLICABLE RIDERS:**

- E1 Energy Rate Component Rider (Page 17)
- E2 Payment-In-Lieu-Of-Tax (Page 20)
- E7 Reactive Adjustment (Page 21)
- E13 Economic Development Rider (Page 23)
- E16 Electric Rate Stabilization Rider (Page 26)

<p><b>Rate Code: 400</b>  <b>Effective: 1-1-07</b>  <b>Supersedes Rate Effective: 1-1-06</b></p>
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<b>Electric Rate Schedule</b>		
<b>PRIVATE AREA LIGHTING &amp; TRAFFIC SIGNAL RATE</b>	<b>BOARD OF PUBLIC UTILITIES KANSAS CITY, KANSAS</b>	<b>Page 1 of 2</b>
<b>RATE CODE 700</b>		

**AVAILABILITY:**

At any point on the Board's existing distribution system.

**APPLICATION:**

For lighting and signal service billed on a single monthly charge and generally based upon unmetered use.

**MONTHLY RATE:**

<b>1. Private Area Lighting</b>	<b>Monthly Charge</b>	<b>Estimated Monthly kWh</b>	<b>Rate Code</b>
175 Watt Mercury Vapor.....	\$13.35	63	701
400 Watt Mercury Vapor.....	\$20.04	151	702
400 Watt Mercury Vapor (Power Flood) .....	\$23.75	151	703
1,000 Watt Mercury Vapor.....	\$41.02	361	704
1,000 Watt Mercury Vapor (Power Flood).....	\$48.40	361	705
70 Watt High Pressure Sodium.....	\$13.99	25	706
250 Watt High Pressure Sodium.....	\$16.11	104	707
250 Watt High Pressure Sodium (Power Flood).....	\$24.47	104	708
400 Watt High Pressure Sodium.....	\$44.32	151	709
400 Watt High Pressure Sodium (Power Flood).....	\$51.73	151	710
70 Watt High Pressure Sodium (Power Flood).....	\$20.11	25	711

**Additional Facilities:**

35 Foot Wooden Pole .....	\$5.10	730
26 Foot Steel Pole and Base .....	\$11.64	731
Additional Span of Wire (170 Ft. Max) .....	\$1.13	732

<b>Electric Rate Schedule</b>		
<b>PRIVATE AREA LIGHTING &amp; TRAFFIC SIGNAL RATE</b>	<b>BOARD OF PUBLIC UTILITIES KANSAS CITY, KANSAS</b>	<b>Page 2 of 2</b>
<b>RATE CODE 700</b>		

**2. Other Exterior Metered and Non-Metered Lighting:**

For photo-cell controlled exterior lighting devices and metered lighting use. If the lighting use is unmetered and the lighting device is photo-cell controlled, then the kWh use shall be based upon the total connected wattage and 333 hours use per month.

		<b>Rate Code</b>
Private Lighting .....	9.9627 cents per kWh	750
Municipal Lighting .....	8.4973 cents per kWh	751
Kansas Department of Transportation ....	8.4973 cents per kWh	752

**3. Traffic and Railroad Signal:**

		<b>Rate Code</b>
Railroad Warning Lights .....	\$2.75 per service	760

**APPLICABLE RIDERS:**

- E1 Energy Rate Component (Page 17)
- E2 Payment-In-Lieu-Of-Tax (Page 20)
- E16 Electric Rate Stabilization Rider (Page 26)

**Rate Code 700 through 710 and 750 through 760  
Effective: 1-1-07  
Supersedes Rate Effective: 1-1-06**

<b>Electric Rate Rider</b>		
<b>ENERGY RATE COMPONENT</b> <b>RIDER E1</b>	<b>BOARD OF PUBLIC UTILITIES</b> <b>KANSAS CITY, KANSAS</b>	<b>Page</b> <b>1</b> <b>of</b> <b>3</b>

**PURPOSE:**

The purpose of this rider is to provide for recovery by summer and winter periods of Utility's power supply energy-related costs with a balancing account that provides for symmetrical treatment of over/under recoveries that recognizes service voltage rate schedule class differentials.

**APPLICABILITY:**

Applicable to all electricity billed under any of the Board's electric rate schedules whether metered or unmetered.

**SERVICE VOLTAGE:**

The ERC, as set forth below, will be multiplied by the following service voltage rate schedule differentials:

Residential Service	1.00000
Small General Service	0.99915
Large General Service	1.01564
Large Power Service	0.99633
USD 500	1.00000
Special Contracts	0.96474
Private Lighting	1.00000

**ENERGY RATE COMPONENT:**

The Utility shall recover its power supply energy-related costs by summer and winter periods by multiplying the Customer's electricity use for billing purposes under the Board's electric rate schedules in such periods, by the energy rate component (ERC) for such period, expressed in dollars per kilowatt hour, as calculated below by summer and winter periods.

<b>Electric Rate Rider</b>		
<b>ENERGY RATE COMPONENT</b>  <b>RIDER E1</b>	<b>BOARD OF PUBLIC UTILITIES</b> <b>KANSAS CITY, KANSAS</b>	<b>Page</b> <b>2</b> <b>of</b> <b>3</b>

1. Calculation: The formula for calculating the energy rate component (ERC) is:

$$ERC = \frac{PPC + RA}{S}$$

Where:

PPC = Projected power supply energy-related costs by summer and winter periods as defined below, expressed in dollars.

RA = Reconciliation adjustment by summer and winter periods as defined below, expressed in dollars.

S = Projected sales of electricity by summer and winter periods as defined below, expressed in kilowatt-hours (kWh).

2. Definitions:

PC = Power supply energy-related costs, by summer and winter periods, which is (a) the sum of: (i) fossil fuel costs (which includes all energy-related costs incurred by reason of using fossil fuel), (ii) purchased power energy-related costs, (iii) all energy-related wheeling charges, and (iv) purchased power and transmission demand and capacity costs if incurred for economic reasons, less (b) cost of fuel and purchased power recovered through all inter-system sales of energy, expressed in dollars.

PPC = Projected PC, by summer and winter periods, for the projection period.

APC = Actual PC, by summer and winter periods, for the preceding collection period.

S = Projected sales of electricity, by summer and winter periods, under all of the Board's rate schedules, whether metered or unmetered, for the projection period, expressed in kilowatt-hours (kWh).

RA = APC, by summer and winter periods, less the revenue collected from the ERC applied during the preceding summer or winter period.

<b>Electric Rate Rider</b>		
<b>ENERGY RATE COMPONENT</b> <b>RIDER E1</b>	<b>BOARD OF PUBLIC UTILITIES</b> <b>KANSAS CITY, KANSAS</b>	<b>Page</b> <b>3</b> <b>of</b> <b>3</b>

The Utility shall review the ERC calculation and make projections for the periods beginning May and November, respectively and the ERC balancing account, and project the Utility's marginal average cost of energy for purposes of administering the Economic Development Rider E13. Based on the review and projections, the Utility may make adjustments to the ERC to be applied during the ensuing six-month summer and winter periods, respectively, to accomplish the purposes of this Rider in a timely manner. The Utility may make interim adjustments to the ERC if changes in acquisition and delivery costs or if system operating characteristics arise which cause, or may be reasonably anticipated to cause, an increase or decrease of twenty percent (20%) or more in power supply energy-related costs from the Utility's projection for such six month period. Said interim ERC shall be determined by the method set forth above and applied for the remainder of the six-month period.

<p><b>Effective: 11-1-03</b>  <b>Supersedes Rider E1 Effective: 7-1-02</b></p>
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<b>Electric Rate Rider</b>		
<b>ELECTRIC PAYMENT TO CITY IN-LIEU-OF TAX RIDER RIDER E2</b>	<b>BOARD OF PUBLIC UTILITIES KANSAS CITY, KANSAS</b>	<b>Page 1 of 1</b>

**APPLICATION:**

To all customers (wholesale and retail) from which the Board of Public Utilities (BPU) of the City of Kansas City, Kansas is required to collect or remit a percentage of revenue as a payment "in-lieu-of-tax" to the Unified Government of Wyandotte County/Kansas City, Kansas or to any other agency having authority to impose a gross receipts tax or fee on the sale of electricity.

**BILLING:**

Billings for payment of this "in-lieu-of-tax" or such other fees shall be included with the regular billings for electric service and shall be in amount sufficient to compensate the BPU for any amount it is required to collect or remit.

**AMOUNT:**

The amount of "in-lieu-of-tax" or such other fees as may be imposed or required to be paid shall be calculated as follows:

T = the total amount of "in-lieu-of-tax" = (B)(r)  
where:

B = amount of bill as calculated in accordance with the effective rate excluding any gross receipts taxes.

r = the "in-lieu-of-tax" (or such other fee) rate applicable to the billing. On December 1, 1991, this rate was 5.9%. February 1, 2002 this rate will be 7.9%.

**OTHER PROVISIONS:**

All terms and conditions in conflict herewith are hereby superseded, otherwise all terms and conditions of the currently applicable rate schedules shall remain in full force and effect.

**Effective: 2-1-02  
Supersedes Rider E2 Effective: 2-1-98**

<b>Electric Rate Rider</b>		
<b>REACTIVE ADJUSTMENT RIDER RIDER E7</b>	<b>BOARD OF PUBLIC UTILITIES KANSAS CITY, KANSAS</b>	<b>Page 1 of 2</b>

**PURPOSE:**

The rates and charges in the Small General Service, Large General Service and Large Power Rate Schedules are based on the customer maintaining a power factor, lagging or leading, within 90%. Customers with low power factor can improve their power factor to within 90% by the installation of corrective equipment or altering the operation of customers' equipment. Customers with a low power factor cause the Utility to increase its generation, transmission, distribution and transformer capacity, and to incur additional system losses, in order to handle customers with a low power factor. The purpose of this Rider is to apply a power factor penalty to low power factor customers that don't improve their power factor thereby passing through the additional costs to be incurred by the Utility to the customer.

**APPLICATION:**

Applicable to all Small General Service, Large General Service or Large Power Service Rate customers where Utility metering measures customer's reactive power or power factor.

**POWER FACTOR PENALTY:**

A power factor penalty will be applied to customers that do not maintain a power factor, leading or lagging, within 90%. The power factor penalty will be calculated by multiplying the customer's monthly billing for facilities, demand and energy charges by the power factor penalty percentage. The power factor penalty percentage, for customers that don't maintain their power factor within 90%, will be the difference between the customer's monthly power factor and 90%.

<b>Electric Rate Rider</b>		
<b>REACTIVE ADJUSTMENT RIDER RIDER E7</b>	<b>BOARD OF PUBLIC UTILITIES KANSAS CITY, KANSAS</b>	<b>Page 2 of 2</b>

**CUSTOMER POWER FACTOR IMPROVEMENT:**

Customers should install, at their expense, such corrective equipment and operate their facilities so as to maintain a power factor, leading or lagging, within 90%. A power factor penalty, as set forth above, will be applied to the monthly billings of customers that do not maintain a power factor within 90%. Power factor less than 70%, lagging or leading, will not be permitted and the customer will be required to install at their own expense such corrective equipment as may be necessary to improve their power factor.

**Effective: 11-1-03  
Supersedes Rider E7 Effective: 1-1-02**

<b>Electric Rate Rider</b>		
<b>ECONOMIC DEVELOPMENT RIDER RIDER E13</b>	<b>BOARD OF PUBLIC UTILITIES KANSAS CITY, KANSAS</b>	<b>Page 1 of 3</b>

**PURPOSE:**

The purpose of this rider is to encourage industrial and commercial development within the Utility's retail electric service area.

**AVAILABILITY:**

This rider is available to a customer qualified for service under the Utility's Large Power Service rate schedule (LPS) and Large General Service (LGS) rate with demand of 200 kW or more, and as more fully set forth herein. This rider is available only when in the sole opinion of the Utility there is ample surplus power and energy to accommodate the new load. Customers receiving service under this Rider must qualify under the criteria of this Rider or have been served under the superseded Rider on October 31, 2003.

**APPLICABILITY:**

This rider applies to a new customer, or the additional load of an existing customer who is, or may, in the opinion of the Utility, be qualified for service under the Large Power Service rate schedule or Large General Service rate schedule and who meets the following criteria:

1. Makes application for the rider.
2. The monthly electrical demand of the customer is, or is estimated to be, at least 200 kW.
3. Application for service under this rider shall be accompanied by sufficiently detailed information to enable the Utility to determine whether the new customer or additional load meets criteria set forth in the application. Service under this rider is subject to a contract between the customer and the Utility containing such terms and conditions as may be required by the Utility.
4. For existing customers, the additional energy use is, or is expected to be, at least 20% greater than the base period energy.
5. Complete Electric Power Requirements - The customer agrees that the Utility shall be the sole source of electricity used at the facility and to purchase, during the term of the Agreement, all of its electric power requirements from the Utility.

<b>Electric Rate Rider</b>		
<b>ECONOMIC DEVELOPMENT RIDER</b>	<b>BOARD OF PUBLIC UTILITIES</b>	<b>Page</b>
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**INCENTIVE PROVISIONS:**

**Rate Discounts**

The Economic Development Rider (EDR) provides a discount on the Demand Charge and the Energy Charge on new or expanded energy for customers under the Utility's Large Power Service rate, Schedule 400, and Large General Service rate, Schedule 300, with loads of 200 kW or more. For new customers, the discount is applied to the entire Demand Charge and Energy Charge. For existing customers, the discount is applied to the billing demand and energy in excess of the Base Period billing demand and energy. The "Base Period" is the twelve-month period immediately preceding the month that service is provided under this Rider, or a period mutually agreed upon by the customer and the Utility. Demand and Energy Charges billed under the provisions of this rider shall be determined by subtracting from the then current monthly usage the base period billing demand and energy use divided by 12. All incremental billing demand and energy for this rider is billed at the applicable rate schedule with the percentage discounts applied as follows:

<b>Contract Year</b>	<b>Customers with loads between 200 kW and 500 kW</b>	<b>Customers with loads greater than 500 kW</b>
First Year	50%	50%
Second Year	30%	40%
Third Year	10%	30%
Fourth Year	N/A	20%
Fifth Year	N/A	10%

<b>Electric Rate Rider</b>		
<b>ECONOMIC DEVELOPMENT RIDER</b>	<b>BOARD OF PUBLIC UTILITIES</b>	<b>Page</b>
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The Utility will project its marginal average energy costs twice annually when it makes projections and reviews the ERC. If at any time the Utility determines that its marginal average cost of energy for any customer or any new load exceeds the rates and ERC charged under this rider, it may, upon six (6) months' notice, adjust the rates for that customer or new load to exceed the marginal average cost. In the event that the marginal average cost determined above exceeds the then undiscounted rate and ERC for such billing demand and energy, the undiscounted rate shall apply.

The Economic Development Rider provides a discount on billing demand and energy. After the final contract year, this incentive provision shall cease.

Customer and Facilities charges will remain as provided for under the Utility's Large Power Service Rate, Schedule 400, and Large General Service Rate, Schedule 300.

**Local Service Facilities**

The Utility will not require a contribution in aid of construction for standard facilities installed to serve the customer if the expected revenues from the new load are, in the opinion of the Utility, sufficient to justify the required investment in the facilities. A contract for a minimum term of electric service to be taken from the Utility may be required.

**TERM:**

The Utility may freeze the availability of this Rider with respect to new loads at any time following the first anniversary of the initial offering hereof. Any customer receiving service under this rider on the date it is frozen may continue to receive the benefits of the incentive provisions herein through the first five years of such customer's contract.

<b>Electric Rate Rider</b>	
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<b>ELECTRIC RATE STABILIZATION RIDER</b>  <b>RIDER E16</b>	<b>BOARD OF PUBLIC UTILITIES KANSAS CITY, KANSAS</b>	<b>Page 1 of 2</b>
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**APPLICATION:**

To all full-requirement customers, retail and wholesale, an increase to collect revenues in an amount sufficient to pay or recover expenditures for the payment of qualified expenditures that are material, as described below.

This rider shall only be applied in appropriate circumstances, including but not limited to, situations where the Utility has a need for revenues recovered under the rider that cannot be timely recovered through other means, situations where the Utility is suffering an operating cash shortage, situations where failure to apply the rider would result in economic loss or other financial harm to the Utility, emergency situations and other situations where the application of this rider to recover a qualified expenditure is in the best interests of the Utility as determined by the Board.

**QUALIFIED EXPENDITURES:**

For purposes of this rider, qualified expenditures are unanticipated or unusual electric operations expense items, unanticipated or unusual operation and maintenance expenses and contingencies of the Utility System, including the costs of scheduled, emergency or other interchange service, costs of unanticipated or unusual renewals and replacements to the Utility System, costs of emergency repairs to the Utility System and any cost with respect to the prevention or correction of any unanticipated or unusual loss or damage in connections with the Utility System or to prevent loss of revenues, including but not limited to the recovery of expenditures for such items from the Rate Stabilization Fund or the Improvement and Emergency Fund. A qualified expenditure will be considered material if the combined amounts for all events within a 12-month period equal or exceed \$1,000,000. A qualified expenditure does not include any expenditure which the Utility has otherwise paid or recovered through the application of a rate schedule or rider or through other means such as reimbursement through insurance or disaster assistance.

**IMPLEMENTATION OF RIDER; BILLING:**

The Utility shall cause notice of a proposed application of this Rider to be published no less than 21 days prior to the date on which the recommendation will be presented to the Board for approval, and shall further cause notice to be provided to any Utility customer which has intervened in a rate proceeding within the past three years. Such notice shall include a description of the qualified expenditures and the proposed amortization period for collection of

<b>Effective: 1-1-07</b> <b>Supersedes Rider E16 Effective: 7-1-02</b>
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<b>Electric Rate Rider</b>	
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<p style="text-align: center;"><b>ELECTRIC RATE STABILIZATION RIDER</b></p> <p style="text-align: center;"><b>RIDER E16</b></p>	<p style="text-align: center;"><b>BOARD OF PUBLIC UTILITIES KANSAS CITY, KANSAS</b></p>	<p style="text-align: center;"><b>Page 2 of 2</b></p>
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revenues to pay or recover the qualified expenditures. Any affected Utility customer may provide comments to the Utility and/or the Board relating to the proposed application of the rider, amortization period and surcharge methodology.

The Charges under each rate schedule shall be increased in any fiscal year(s) by the percentage(s) or amount(s) determined upon recommendation by the General Manager and approval by the Board as necessary to pay or recover qualified expenditures in an amount approved by the Board as described herein such fiscal year(s), such increase to take effect commencing upon approval, or at a date set, by the Board, over the reasonable amortization period established by the Board.

The Charges under each rate schedule assessed under this rider shall be an equal percentage adjustment to non-Energy Rate Component charges to recover the qualified expenditures over the amortization period, unless the Board shall approve a different surcharge methodology.

**AMOUNT:**

The amount of revenues to be collected shall be sufficient to provide for payment or recovery of qualified expenditures over the amortization period established by the Board.

<p><b>Effective: 1-1-07</b> <b>Supersedes Rider E16 Effective: 7-1-02</b></p>
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<b>Water Rate Schedule</b>		
<b>MONTHLY WATER RATES FOR INSIDE CITY CUSTOMERS</b>	<b>BOARD OF PUBLIC UTILITIES KANSAS CITY, KANSAS</b>	<b>Page 1 of 1</b>
<b>RATE CODE 010</b>		

Water sold to customers for use inside city limits:

CCF Units Per Month	CCF Per Block	Beginning 5/1/06 Rate Per CCF	Beginning 1/1/07 Rate Per CCF	Beginning 1/1/08 Rate Per CCF
0 to 7	7	\$ 2.762	\$ 2.845	\$ 2.959
8 to 160	153	\$ 2.749	\$ 2.832	\$ 2.945
161 to 2000	1840	\$ 2.643	\$ 2.696	\$ 2.750
2001 to 8000	6000	\$ 1.983	\$ 2.023	\$ 2.063
All over 8000		\$ 1.269	\$ 1.294	\$ 1.320

Meter Size	Monthly Customer Charge			Monthly Minimum Bill		
	Begin 5/1/06	Begin 1/1/07	Begin 1/1/08	Begin 5/1/06	Begin 1/1/07	Begin 1/1/08
5/8 Inch	\$ 11.85	\$ 12.20	\$ 12.69	\$ 11.85	\$ 12.20	\$ 12.69
3/4 Inch	\$ 12.30	\$ 12.67	\$ 13.18	\$ 25.02	\$ 25.77	\$ 26.80
1 Inch	\$ 14.26	\$ 14.69	\$ 15.27	\$ 34.63	\$ 35.67	\$ 37.10
1.5 Inch	\$ 19.21	\$ 19.79	\$ 20.58	\$ 62.31	\$ 64.18	\$ 66.74
2 Inch	\$ 25.16	\$ 25.91	\$ 26.95	\$ 93.37	\$ 96.17	\$ 100.02
3 Inch	\$ 43.96	\$ 45.28	\$ 47.09	\$ 168.32	\$ 173.37	\$ 180.31
4 Inch	\$ 68.72	\$ 70.78	\$ 73.62	\$ 271.65	\$ 279.80	\$ 290.99
6 Inch	\$ 133.08	\$ 137.07	\$ 142.55	\$ 539.33	\$ 555.51	\$ 577.73
8 Inch	\$ 187.53	\$ 193.16	\$ 200.89	\$ 851.59	\$ 877.14	\$ 912.23
10 Inch	\$ 296.44	\$ 305.33	\$ 317.55	\$ 1,279.74	\$ 1,318.13	\$ 1,370.86
12 Inch and Larger	\$ 433.49	\$ 446.50	\$ 464.36	\$ 1,649.71	\$ 1,699.20	\$ 1,767.17

**APPLICABLE RIDERS:**

W2 Payment-in-Lieu-of-Tax (Page 31)

**Effective: 1-1-07  
Supersedes Rate Schedule Effective: 5-1-06**

<b>Water Rate Schedule</b>		
<b>MONTHLY WATER RATES FOR OUTSIDE CITY CUSTOMERS</b>	<b>BOARD OF PUBLIC UTILITIES KANSAS CITY, KANSAS</b>	<b>Page 1 of 1</b>
<b>RATE CODE 020</b>		

Water sold to customers for use outside city limits:

<u>CCF Units Per Month</u>	<u>Beginning 5/1/06 Rate Per CCF</u>	<u>Beginning 1/1/07 Rate Per CCF</u>	<u>Beginning 1/1/08 Rate Per CCF</u>
All	\$ 3.057	\$ 3.149	\$ 3.275

Meter Size	Monthly Customer Charge			Monthly Minimum Bill		
	Begin 5/1/06	Begin 1/1/07	Begin 1/1/08	Begin 5/1/06	Begin 1/1/07	Begin 1/1/08
5/8 Inch	\$ 12.03	\$ 12.39	\$ 12.89	\$ 22.74	\$ 23.42	\$ 24.36
3/4 Inch	\$ 12.51	\$ 12.89	\$ 13.40	\$ 32.86	\$ 33.85	\$ 35.20
1 Inch	\$ 14.55	\$ 14.99	\$ 15.59	\$ 49.30	\$ 50.77	\$ 52.81
1.5 Inch	\$ 19.75	\$ 20.34	\$ 21.16	\$ 85.92	\$ 88.50	\$ 92.04
2 Inch	\$ 25.99	\$ 26.77	\$ 27.84	\$ 135.28	\$ 139.34	\$ 144.92
3 Inch	\$ 45.74	\$ 47.11	\$ 49.00	\$ 244.98	\$ 252.33	\$ 262.43
4 Inch	\$ 71.75	\$ 73.90	\$ 76.86	\$ 404.06	\$ 416.18	\$ 432.83
6 Inch	\$ 135.16	\$ 139.22	\$ 144.78	\$ 761.17	\$ 784.00	\$ 815.36
8 Inch	\$ 190.47	\$ 196.18	\$ 204.03	\$ 1,072.63	\$ 1,104.81	\$ 1,149.00
10 Inch	\$ 301.08	\$ 310.11	\$ 322.52	\$ 1,695.55	\$ 1,746.42	\$ 1,816.28
12 Inch and Larger	\$ 440.28	\$ 453.49	\$ 471.63	\$ 2,479.44	\$ 2,553.83	\$ 2,655.98

**APPLICABLE RIDERS:**

W2 Payment-in-Lieu-of-Tax (Page 31)

**Effective: 1-1-07**  
**Supersedes Rate Schedule Effective: 5-1-06**

<b>Water Rate Schedule</b>		
<b>MONTHLY WATER RATES</b> <b>PRIVATE FIRE PROTECTION RATE</b>	<b>BOARD OF PUBLIC UTILITIES</b> <b>KANSAS CITY, KANSAS</b>	<b>Page</b> <b>1</b> <b>of</b> <b>1</b>

Water sold for use for private fire protection inside and outside the City.

<u>Rate Code</u>	<u>Connection Size</u>	<b>Monthly Charge</b>		
		<b>Begin 5/1/06</b>	<b>Begin 1/1/07</b>	<b>Begin 1/1/08</b>
47	<b>2 Inch</b>	\$ 7.04	\$ 7.49	\$ 7.97
42	<b>4 Inch</b>	\$ 18.05	\$ 19.21	\$ 20.44
43	<b>6 Inch</b>	\$ 44.04	\$ 46.86	\$ 49.86
44	<b>8 Inch</b>	\$ 88.51	\$ 94.18	\$ 100.21
45	<b>10 Inch</b>	\$ 155.42	\$ 165.36	\$ 175.95
46	<b>12 Inch and Larger</b>	\$ 248.30	\$ 264.19	\$ 281.10

All water used through private fire connections for purposes other than fire protection shall be subject to the applicable Inside City or Outside City volume charge rates.

**APPLICABLE RIDERS:**

W2 Payment-in-Lieu-of-Tax (Page 31)

**Effective: 1-1-07**  
**Supersedes Rate Schedule Effective: 5-1-06**

<b>Water Rate Rider</b>		
<b>WATER PAYMENT TO CITY IN-LIEU-OF TAX RIDER  RIDER W2</b>	<b>BOARD OF PUBLIC UTILITIES KANSAS CITY, KANSAS</b>	<b>Page 1 of 1</b>

**APPLICATION:**

To all customers (wholesale and retail) from which the Board of Public Utilities (BPU) of the City of Kansas City, Kansas is required to collect or remit a percentage of revenue as a payment "in-lieu-of-tax" to the Unified Government of Wyandotte County/Kansas City, Kansas; or to any other agency having authority to impose a gross receipts tax or fee on the sale of water.

**BILLING:**

Billings for payment of this "in-lieu-of-tax" or such other fees shall be included with the regular billings for water service and shall be an amount sufficient to compensate the BPU for any amount it is required to collect or remit.

**AMOUNT:**

The amount of "in-lieu-of-tax" or such other fees as may be imposed or required to be paid shall be calculated as follows:

$T = B * r$  where:

T = Amount of Tax

B = amount of bill as calculated in accordance with the effective rate excluding any gross receipts taxes.

r = the "in-lieu-of-tax" (or such other fee) rate applicable to the billing. The current rate, effective February 1, 2002 is 7.9%.

**OTHER PROVISIONS:**

All terms and conditions in conflict herewith are hereby superseded, otherwise all terms and conditions of the currently applicable rate schedules shall remain in full force and effect.

<p><b>Effective: 5-1-06</b>  <b>Supersedes Rider W2 Effective: 2-1-02</b></p>
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