CITY OF COFFEYVILLE **BOARD OF COMMISSIONERS AGENDA ITEM**		
MEETING DATE	July 23, 2013	
RESOLUTION OR ORDINANCE NUMBER	n/a	
AGENDA TITLE	**Discussion related to proposed utility rate increases.**	
REQUESTING DEPARTMENT	Finance Department	
PRESENTER	Stephanie A. Richardson, Finance Director	
FISCAL INFORMATION	Cost as recommended:	N/A
	Budget Line Item:	N/A
	Balance Available	N/A
	New Appropriation Required:	[ ] Yes [X] No
PURPOSE	Evaluation of current electric rates and possible action to increase existing electric utility rates and elimination of the Off-Peak Discount rate code. Consideration of a waterline replacement program funded by an increase to the base charge in the water utility rate schedule.	
BACKGROUND	<u>ELECTRIC</u>: Our current electric utility rates have been in effect since 2002. Each rate, with the exception of the Large Power Schedule and High Voltage Service Schedule, consists of rates with billing tiers based on each customer's usage. As a customer uses more power, the kWh cost is cheaper as a result of the rate tiers.	
SPECIAL NOTES		

ANALYSIS	ELECTRIC: In 2012, the city contracted with Jerry McKenzie, Management of America, Inc. to review our current rate structure and recommend any necessary changes to our existing rate structure. Mr. McKenzie met with the commission on July 2, 2012 to discuss his Financial Forecasting Model and proposed eliminating rate tiers in each of the applicable rate codes. By eliminating tiers, those customers with higher usage would pay a slightly higher rate for that additional power. When comparing our power cost to other utilities, Coffeyville's rates are some of the lowest in the state. A comparison of rates compiled by the U.S. Department of Energy is attached to this staff report indicating there are only 13 utilities with residential rates lower than Coffeyville. Following Mr. McKenzie's recommendation, staff is proposing to eliminate one rate tier from each of the applicable rate codes. This is anticipated to generate approximately $347,000 in additional revenues for the electric utility. A copy of each revised rate schedule has been attached for your review. Staff is also proposing to eliminate the General Service/Large Power I Off-Peak Discount Rate Code 17. This code was established for customers who agreed to interrupt electric service upon four hours notice during summer months. By making application to the city and agreeing to interrupt service, those customers qualified for a discounted electric rate. We currently have four customers on this rate code. In recent years the rate code billing rate has been less than the cost to produce/purchase the power. Elimination of this rate code will generate approximately $167,000 in additional revenues for the electric utility. Both of these proposals have been included in the projected and proposed budgets discussed in our budget work sessions. WATER: Staff recommends implementing a more aggressive waterline replacement program within the city. In order to do so, additional funding would be required. One potential source of funding is an increase to the base fee of each water utility meter. An increase of $1 per month, for instance, would generate approximately $52,000 per year to allocate toward additional waterline replacement projects. A smaller increase would generate proportionately less, while a larger increase would generate proportionately more.

PUBLIC INFORMATION PROCESS	
BOARD OR COMMISSION RECOMMENDATION	N/A
STAFF RECOMMENDATION	Staff recommends discussion on the items shown above to determine which recommendations shall be brought back to the commission for further action.
REFERENCE DOCUMENTS ATTACHED	Rate Schedules – Current schedules showing proposed tier elimination Comparison of Utility Rates

RATE SCHEDULE RU-02

RESIDENTIAL URBAN DOMESTIC SERVICE–CODE 01

AVAILABILITY:

To all single-family residential customers located inside the city limits with service taken through a single meter for domestic use. This rate schedule is not available for residential premises used for commercial purposes, rooming houses of more than four (4) rooms for rent, duplexes or apartments with more than one kitchen whether rented or not. Such customers shall be billed on other applicable rate schedules.

CHARACTER OF SERVICE:

Single-phase 120/240 volts. Those residential customers who had three-phase equipment installed. Bills for customers served by one single-phase and one three-phase meter at a common location may be from this rate applied to the summation of the metered consumption.

MONTHLY RATES:

Customer Charge:

	SUMMER	WINTER
Single Phase:	$4.59	$4.59
Three Phase:	13.77	13.77
First 500 KWH, Per KWH	0.0735	0.0735
Next 200 KWH, Per KWH	0.0713	0.0713
BALANCE ~~Next 500 KWH~~, Per KWH	0.0713	0.0649
~~Balance, Per KWH~~	~~0.0713~~	~~0.0459~~

MINIMUM BILL:

Single Phase:	$4.59	$4.59
Three Phase:	13.77	13.77

All three-phase residential service installed after November 1, 1970, shall be billed under the general service schedule.

NOTE: Reference Sec. 26-22 which defines Summer as being June through September and Winter as being October through May.

RATE SCHEDULE RR-02

RESIDENTIAL RURAL DOMESTIC SERVICE–CODE 04

AVAILABILITY:

To all single-family residential customers located outside the city limits, but within three miles, with service taken through a single meter for domestic or family farm use. This rate schedule is not available for residential premises used for commercial purposes, rooming houses of more than four (4) rooms for rent, duplexes or apartments with more than one kitchen whether rented or not. Such customers shall be billed on other applicable rate schedules.

CHARACTER OF SERVICE:

Single-phase 120/240 volts. Those residential customers who had three-phase service for domestic use prior to November 1, 1970, will continue to be served for as long as they have three-phase equipment installed. Bills for customers served by one single-phase and one three-phase meter at a common location may be from this rate applied to the summation of the metered consumption.

MONTHLY RATES:

Customer Charge:	SUMMER	WINTER
Single Phase	$ 5.14	$ 5.14
Three Phase	15.39	15.39
First 500 KWH, Per KWH	0.0784	0.0784
Next 200 KWH, Per KWH	0.0746	0.0746
BALANCE ~~Next 500 KWH~~, Per KWH	0.0757	0.0703
~~Balance, Per KWH~~	~~0.0757~~	~~0.0514~~
Minimum Bill:		
Single Phase	$ 5.14	$ 5.14
Three Phase	15.39	15.39

All three-phase residential service installed after November 1, 1970, or prior, if used for other than domestic service, shall be billed under other applicable rate schedules.

RATE SCHEDULE RR-KCC-04
RESIDENTIAL RURAL DOMESTIC SERVICE

UNDER KCC JURISDICTION– CODE 06

Availability:

To all single-family residences and individually metered apartments located more than three (3) miles outside of the city limits and under KCC jurisdiction with service taken through a single meter for domestic or family farm use. This rate schedule is not available for residential premises used for commercial purposes. Such customers shall be billed on other applicable rate schedules.

Character of Service:

AC, single-phase, 60 cycles, 12/240 volts, 3 wire, or 120 volt, 2 wire. Multiple meters at one location will be billed individually.

Rate:

Subject to application of the Production Cost Adjustment - PCA-KCC-04.

Customer Charge:	SUMMER	WINTER
Single-Phase:	$ 3.95	$ 3.95
Three-Phase:	11.92	11.92
Energy Charge:		
First 500 KWH, Per KWH	0.07132	0.07132
BALANCE ~~Next 200 KWH~~, Per KWH	0.05499	0.05499
~~Balance, Per KWH~~	~~0.06281~~	~~0.05089~~
Minimum Bill:		
Single-Phase	$ 3.95	$ 3.95
Three-Phase	11.92	11.92

Summer: Applies to usage from June 1 through September 30.

Winter: Applies to usage from October 1 through May 31.

RATE SCHEDULE GS-KCC-04
GENERAL SERVICE SCHEDULE
UNDER KCC JURISDICTION–CODE 09

Availability:

To all customers in the service area located more than three (3) miles outside city limits under KCC jurisdiction of the department through a single meter for nonresidential use.

Character of Service:

At such phase and voltage as the department may have available for the customer's location and requirements for secondary service. Multiple meters shall be individually metered.

Monthly Rates:

Subject to application of the Production Cost Adjustment - PCA-KCC-04.

Demand charge:

First 15 KW, Per KW	No Charge
Above 15 KW, Per KW	$1.73

Energy Charge:

First 500 KWH, Per KWH	0.08511
Next 2,500 KWH, Per KWH	0.06382
BALANCE ~~Next 47,000 KWH~~, Per KWH	0.05592
~~Balance, Per KWH~~	~~0.05366~~

Minimum Bill:

The minimum monthly charge shall be the greater of: $3.57 plus the demand charge; $0.60/kVA connected load or $5.96 for three phase.

Reactive Power Adjustment:

The department, at its option, may measure the reactive power taken. A charge of $0.01 shall be made for each lagging kilovar hour per month that exceeds thirty-three (33) percent of the kilowatt hours used in the month. Leading kilovar hours will not be credited against lagging kilovar hours. (Reactive adjustment will be zero if the power factor is 95 percent or greater.)

Metering Adjustment:

When the department installs a primary meter that does not compensate for transformer losses, the customer's total bill including fuel adjustment and reactive power adjustment shall be decreased by two (2) percent. No discount is allowed when the department furnishes more than one transformer bank.

Determination of Demand:

Kilowatt demand will be determined by suitable demand instruments or at the department's option, by demand tests, and shall be the highest average kilowatt demand measured in any thirty-minute period during the month. Customers using less than 3,000 KWH per month for twelve consecutive months will not be subject to the demand charge.

Metering Option:

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

RATE SCHEDULE GS-02

GENERAL SERVICE SCHEDULE– CODE 10

AVAILABILITY:

To all customers in the service area of the department through a single meter for non residential use.

CHARACTER OF SERVICE:

At such phase and voltage as the department may have available for the customer's location and requirements for secondary service. Bills for customers served by one single-phase and one three-phase meter at a common location may be from this rate applied to the summation of the metered consumption.

MONTHLY RATES:

General Service Demand

First 10 KW, Per KW	No Charge
Above 10 KW, Per KW	$ 2.04
First 500 KWH, Per KWH	0.1070
Next 2,500 KWH, Per KWH	0.0894
Next 47,000 KWH, Per KWH	0.0662
BALANCE ~~Next 150,000 KWH~~, Per KWH	0.0623
~~Balance, Per KWH~~	~~0.0574~~

MINIMUM BILL:

$8.00 plus highest demand charge recorded in last 12 months.

REACTIVE POWER ADJUSTMENT:

The department, at its option, may measure the reactive power taken. A charge of $0.01 shall be made for each lagging kilowatt hour per month that exceeds thirty-three (33) percent of the kilowatt hours used in the month. Leading kilovar hours will not be credited against lagging kilovar hours. (Reactive adjustment will be zero if power factor is 95 percent or greater.

METERING ADJUSTMENT:

When the department installs a primary meter that does not compensate for transformer losses, the customer's total bill including fuel adjustment and reactive power adjustment shall be decreased by two (2) percent. No discount is allowed when the department furnishes more than one transformer bank.

DETERMINATION OF DEMAND:

Kilowatt demand will be determined by suitable demand instruments, or at the department option, by demand tests, and shall be the highest average kilowatt demand measured in any thirty-minute period during the month. Customers using less than 3000 KWH per month will not be subject to the demand charge.

METERING OPTION:

At the department's option suitable metering equipment may be installed on the primary side of the transformer serving the customer.

RATE SCHEDULE GSH-02

GENERAL SERVICE ALL-ELECTRIC SCHEDULE–CODE 11

AVAILABILITY:

To all customers in the service area of the department through a single meter for nonresidential use where electric energy is used to supply all energy on the customer's premises, including permanently connected space heating load which is not less than thirty (30) percent of the total connected load.

This rate is also available for non-all-electric customers that use electric energy for space heating, provided that the space is also cooled in summer by electric refrigeration.

CHARACTER OF SERVICE:

At such phase and voltage as the department may have available for the cutomer's location and requirements for secondary service. Bills for customers served by one single-phase and one three-phase meter at a common location may be from this rate applied to the summation of the metered consumption.

MONTHLY RATES:

Summer:	Same as General Service Demand Rate	
Winter:	First 10 KW, Per KW	No Charge
	Above 10 KW, Per KW	$2.04
	First 500 KWH, Per KWH	0.1070
	Next 2,500 KWH, Per KWH	0.0894
	Next 47,000 KWH, Per KWH	0.0596
BALANCE	~~Next 150,000 KWH~~, Per KWH	0.0552
	~~Balance, Per KWH~~	~~0.0414~~

BILLING DEMAND:

The billing demand shall be the maximum demand determined by demand instruments, or at the city's option, by demand tests, and shall be the highest average kilowatt demand measured in any thirty-minute period during the month; however, the billing demand for the months of October through May shall not be more than the highest billing demand established during the preceding June through September period.

MINIMUM BILL:	Summer:	$8.00 plus demand charge
	Winter:	$8.00 plus demand charge

NO CHANGE PROPOSED.

RATE SCHEDULE LP-II-02
LARGE POWER (II) SCHEDULE - CODE 12

Availability:

To all non-residential customers within the established City service area with loads equal to or greater than 4,000 kW/month and less than 20,000 kW/month.

Applicable:

Optional to all non-residential loads not serviced under another applicable rate.

Character of Service:

AC, 60 Hertz, single or three-phase, at any of the City's standard voltages (13,800 volts or less) where the service may be supplied by a single power transformation.

Rate:

Customer charge	$190.00 per month		
Demand charge	SUMMER $8.20	WINTER $7.05	per kilowatt hour for all use
Energy Charge	$0.0300	$0.0300	per kilowatt hour for all use
Ratchet	80.0%		

Minimum Bill: (1) Billing demand charge shall be the greater of (a), (b) or (c) below:

(a) The highest measured demand (corrected for power factor, if required) during any thirty (30) minute period occurring in the current billing period.

(b) Eighty percent (80%) of the highest measured demand (corrected for power factor, if required) during any thirty (30) minute period occurring in June, July, August or September of the preceding eleven (11) months.

(c) 4,000 kilowatts

(2) Customer charge and energy charge.

Power Factor Adjustment:

For load of 15 kW or more, power factor adjustments will be made in the billing demand, when the power factor, as determined by meter or test, at the approximate or actual time of the customer's maximum use is less than 95 percent lagging. If the power factor, as measured, is lower than 95 percent, the monthly demand charge will be multiplied by factor of 95 percent divided by the actual power factor. The power factor may also be corrected at the customer's expense if it proves detrimental to system operation.

Example:

4000 kW (Summer)		Monthly Bill	KWh Average
(a) 584,000 kWh	(20% load factor)	$50,510.00	$0.0865
(b) 1,168,000 kWh	(40% load factor)	68,030.00	0.0582
(c) 1,460,000 kWh	(50% load factor)	76,070.00	0.0521
(d) 1,752,000 kWh	(60% load factor)	84,830.00	0.0484
(e) 2,044,000 kWh	(70% load factor)	93,590.00	0.0458
(f) 2,336,000 kWh	(80% load factor)	102,350.00	0.0438

4000 kW (Winter)		Monthly Bill	KWh Average
(a) 584,000 kWh	(20% load factor)	$45,910.00	$0.0786
(b) 1,168,000 kWh	(40% load factor)	63,430.00	0.0543
(c) 1,460,000 kWh	(50% load factor)	72,190.00	0.0494
(d) 1,752,000 kWh	(60% load factor)	80,950.00	0.0462
(e) 2,044,000 kWh	(70% load factor)	89,710.00	0.0439
(f) 2,336,000 kWh	(80% load factor)	98,470.00	0.0422

Approved 06/24/08

RATE SCHEDULE LP-I-02
LARGE POWER (I) SCHEDULE– CODE 14

AVAILABILITY:

To all customers in the service area of the department through a single meter for nonresidential use with loads between 1,000 and 4,000 kW.

CHARACTER OF SERVICE:

At such phase and voltage as the department may have available for the customer's location and requirements for secondary service. Bills for customers served by one single-phase and one three-phase meter at a common location may be from this rate applied to the summation of the metered consumption.

MONTHLY RATES:

General Service Demand

First 10 KW, Per KW	No Charge
Above 10 KW, Per KW	$ 1.85
First 500 KWH, Per KWH	0.0970
Next 2,500 KWH, Per KWH	0.0810
Next 47,000 KWH, Per KWH	0.0600
BALANCE ~~Next 150,000 KWH~~, Per KWH	0.0565
~~Balance, Per KWH~~	~~0.0520~~

MINIMUM BILL:

$8.00 plus highest demand charge recorded in last 12 months.

REACTIVE POWER ADJUSTMENT:

The department, at its option, may measure the reactive power taken. A charge of $0.01 shall be made for each lagging kilovar hour per month that exceeds thirty-three (33) percent of the kilowatt hours used in the month. Leading kilovar hours will not be credited against lagging kilovar hours. (Reactive adjustment will be zero if power factor is 95 percent or greater.)

METERING ADJUSTMENT:

When the department installs a primary meter that does not compensate for transformer losses, the customer's total bill including fuel adjustment and reactive power adjustment shall be decreased by two (2) percent. No discount is allowed when the department furnishes more than one transformer bank.

DETERMINATION OF DEMAND:

Kilowatt demand will be determined by suitable demand instruments, or at the department option, by demand tests, and shall be the highest average kilowatt demand measured in any thirty-minute period during the month.

METERING OPTION:

At the department's option suitable metering equipment may be installed on the primary side of the transformer serving the customer.

NO CHANGE PROPOSED

RATE SCHEDULE HV - 07
HIGH VOLTAGE SERVICE – RATE CODE 15

Availability:

To all non-residential customers within the established City service area with a load equal to or greater than 20,000 kW in at least one month of any consecutive twelve-month period.

Applicability:

To customers or loads within the service territory of the City who can be served directly from a dedicated substation connected to the City's existing transmission system. Customer shall be responsible to pay for any costs associated with extensions or expansions required to serve new or additional loads under this rate.

Character of Service:

Customers who otherwise meet the qualifications of this rate shall take service at the primary voltage of 12,470 volts or higher. Customers desiring lower service voltage shall pay for or provide their own transformation to such lower voltage. Customer shall be responsible for any costs associated with maintenance and back-up of customer owned transformation. Metering shall be on the primary side of the dedicated transformer(s) serving the load. However, City may, at its option, elect to install the metering on the secondary side of the dedicated transformer(s), in which case the metered data shall be compensated to reflect losses through the transformer(s). Other terms and conditions of service for this service classification are as set forth in the City of Coffeyville Utilities Rules and Regulations, as the same may be amended from time to time.

Rates and Service Charges:

The monthly rates and service charges are as follows:

Customer Charge	$ 1,000.00 per month
Demand Charge:	$ 9.636 per kW of Billing Demand
	$ 0.50 per kVar of reactive Billing Demand
Energy Charge:	$ 0.02310 per kWh
Delivery Charge:	$0.003 per kWh

Purchased Power Adjustment:

The Demand and Energy Charges set forth above, which are based on the City's cost of purchased power, shall be adjusted each month as follows:

The Capacity Charge set forth above shall be adjusted upward or downward each month pursuant to the following formula:

$$CCA = [ECC - BCC] \times 1.10, \text{ where}$$

CCA = Capacity Charge Adjustment in $/kW-month.

ECC = Effective Capacity Cost in $/kW-month of purchased power required to serve customers under this rate.

BCC = Base Capacity Cost = $8.76 per kW-month.

The Energy Charge set forth above shall be adjusted upward or downward each month pursuant to the following formula:

ECA = [EEC - BEC] x 1.10, where

ECA = Energy Charge Adjustment in $/kWh.

EEC = Effective Energy Cost in $/kWh of purchased power required to serve customers under this rate.

BEC = Base Energy Charge = $0.0210 per kWh

Transmission, Wheeling and Ancillary Charges:

Customers served under this rate shall pay a proportionate share of all transmission, wheeling and ancillary charges incurred by the City in connection with the delivery of purchased power to the City's electric system, determined as follows:

MTC = [CBD / CPD] x TTC, where

MTC = Monthly Transmission Charge, which is the Customer's proportionate share of the transmission, wheeling and ancillary charges incurred by the City in connection with the delivery of purchased power to the City's electric system during the billing period.

CBD = Customer's Billing Demand for the billing period, as set forth herein.

CPD = City's Peak Demand, which shall be the City's highest measured demand (corrected for losses, as required), including the demand of Customer's served under this rate, during any thirty (30) minute period occurring during the billing period.

TTC = Total Transmission Costs, which includes all transmission, wheeling and ancillary charges incurred by the City associated with the delivery of purchased power to the City's electric system during the billing period.

Transmission System Upgrade Charge:

Customers served under this rate shall pay, either as a lump sum direct assignment or an allocation of monthly carrying charge, a proportionate share of all transmission system upgrade costs incurred by the City in connection with the delivery of purchased power to Customers served under this rate, determined as follows:

MTUC = [PDR / CPDR] x TTUC, where

MTUC = Monthly Transmission System Upgrade Charge

PDR = Customer's Peak Demand of Record, which shall be the Customer's highest measured demand (corrected for losses, as required) during any thirty (30) minute period occurring since the initiation of service under this rate

CPDR = City's Peak Demand of Record, which shall be the City's highest measured demand (corrected for losses, as required), including the demand of Customers served under this rate, during any thirty (30) minute period occurring since the initiation of service under this rate.

TTUC = Total Transmission System Upgrade Costs, which includes all transmission system upgrade related costs incurred by the City associated with the delivery of purchased power to the City's electric system during the billing period.

Monthly Minimum Charge:

The Monthly Minimum Charge shall be the sum of the Customer Charge plus the applicable Demand Charge.

Billing Demand:

Billing Demand shall be the greater of (a), (b) or (c) below:

(a) The highest measured demand (corrected for losses, as required) during any thirty (30) minute period occurring in the current billing period.

(b) Fifty percent (50%) of the highest measured demand (corrected for losses, as required) during any thirty (30) minute period occurring in the preceding eleven (11) months.

(c) 20,000 kilowatts

Reactive Billing Demand:

The Reactive Billing Demand shall be the highest measured reactive (kVar) demand (corrected for losses, as required) during any thirty (30) minute period occurring in the current billing period.

Electric Service Agreement:

The Customer may be required, as a condition of service and prior to the commencement of service under this rate, to execute an Electric Service Agreement with the City, setting forth any and all applicable additional terms and conditions of service, including the minimum term of service required to permit the recovery through rates of any capital costs, if any, incurred by the City in connection with providing service under this rate.

Miscellaneous:

The City's Power Cost Adjustment Rate Schedule PCA-02 shall not be applicable to service provided under this rate.

ELIMINATE RATE CODE 17

RATE SCHEDULE GS/LP-IOP-02

GENERAL SERVICE/LARGE POWER I OFF-PEAK DISCOUNT-CODE 17

NOTE: General service and Large Power I customers who received the off-peak discount rate prior to January 1, 2000, will continue to be served under this rate so long as they maintain service under the same account name or until the off-peak discount is eliminated by City Ordinance. The General Service/Large Power I Off-Peak Discount Rate is no longer offered to new customers.

AVAILABILITY:

Same as GS-02 (Code 10) and LP-I-02 (Code 14) but only applies to customers who have previously agreed to interrupt service upon four (4) hours notice during summer months (June-September).

METERING CONTRIBUTION:

To qualify for the rate, suitable metering equipment must be installed. The cost of such metering, less the cost of existing or standard metering, shall be billed to the customer.

MONTHLY RATES:

Billing shall be eleven (11) percent less than the Code 14 rate then in effect, until the off-peak discount is either further reduced or eliminated by City Ordinance. Discount shall not apply to any penalties. The current Code 14 rate less discount is as follows:

General Service Demand

First 10 KW, Per KW	No Charge
Above 10 KW, Per KW	$1.65
First 500 KWH, Per KWH	0.0863
Next 2,500 KWH, Per KWH	0.0721
Next 47,000 KWH, Per KWH	0.0534
Next 150,000 KWH, Per KWH	0.0503
Balance, Per KWH	0.0463

MINIMUM BILL:

$8.00 plus highest demand charge recorded in last 12 months.

Average Revenue per kWh, 2011
(in cents)
United States and **Kansas**

	Residential Rev/kWh	Commercial Rev/kWh	Industrial Rev/kWh	Total Rev/kWh
Kansas-Average by Type				
Publicly Owned	10.7	9.4	6.3	8.5
Investor-Owned	10.2	8.3	6.3	8.6
Cooperative	12.6	10.4	8.4	10.6
Kansas				
Publicly Owned				
McPherson City of	6.5	6.7	4.6	5.0
Udall City of	7.3	17.5	-	9.8
Seneca City of	7.7	6.4	7.2	7.2
Summerfield Town of	7.8	7.8	-	7.8
La Harpe City of	8.0	8.7	8.7	8.1
Mankato City of	8.3	8.3	7.7	8.2
Isabel City of	9.0	12.9	-	11.1
Burlingame City of	9.2	10.4	-	9.5
Moundridge City of	9.3	9.9	7.5	8.3
Cawker City City of	9.4	9.6	-	9.4
Holton City of	9.4	7.2	4.7	7.6
Colby City of	9.5	9.3	9.1	9.3
Garden City City of	9.6	10.9	6.6	8.4
Altamont City of	9.6	-	-	9.6
Coffeyville City of	9.6	9.5	5.5	6.3
Glen Elder City of	9.8	13.7	-	11.5
Kansas City City of	9.9	8.5	6.4	8.3
Enterprise City of	10.0	7.9	7.7	9.6
Holyrood City of	10.0	10.1	-	10.0
Seward City of	10.0	10.0	-	10.0
Axtell City of	10.0	11.8	-	10.5
Scranton City of	10.1	9.7	-	10.1
Lucas City of	10.1	11.4	9.1	9.9
Winfield City of	10.2	9.8	7.5	8.4
Robinson City of	10.2	10.2	-	10.2
Attica City of	10.2	10.2	10.2	10.2
Jetmore City of	10.2	10.2	-	10.2
Marion City of	10.3	10.4	10.5	10.4
Muscotah City of	10.4	10.3	-	10.4
Lindsborg City of	10.5	10.5	-	10.5
Wamego City of	10.6	9.4	7.4	9.4
Fredonia City of	10.6	9.4	-	10.0
Mulvane City of	10.6	9.5	-	10.2
Larned City of	10.7	9.4	9.8	10.1
Eudora City of	10.7	9.9	7.3	9.9

	Residential Rev/kWh	Commercial Rev/kWh	Industrial Rev/kWh	Total Rev/kWh
Johnson City of	10.7	14.2	10.1	11.8
Iola City of	10.8	10.4	7.2	9.3
Herndon City of	10.8	8.8	-	10.2
Augusta City of	10.9	9.9	9.1	10.4
Chanute City of	10.9	9.6	6.1	7.7
Cimarron City of	10.9	10.7	11.5	11.0
Russell City of	11.0	10.7	8.1	9.2
St Marys City of	11.0	10.2	-	10.6
Blue Mound City of	11.0	-	-	11.0
Goodland City of	11.0	12.3	10.5	11.1
Burlington City of	11.1	10.6	9.3	10.8
La Crosse City of	11.1	10.6	9.2	10.5
St John City of	11.2	10.9	-	11.0
Beloit City of	11.2	11.0	8.4	10.1
Ottawa City of	11.2	7.5	9.7	10.1
Glasco City of	11.2	10.6	-	11.1
Hillsboro City of	11.2	10.2	-	10.7
Arma City of	11.2	13.2	-	11.8
Stafford City of	11.3	9.5	-	10.5
Neodesha City of	11.3	11.3	8.8	9.8
Galva City of	11.3	11.2	-	11.3
Clay Center City of	11.3	11.9	9.5	10.8
Gardner City of	11.3	9.3	8.8	10.5
Luray City of	11.3	9.9	-	10.6
Garnett City of	11.4	11.0	12.7	11.8
Alma City of	11.7	11.3	9.1	10.4
Chapman City of	11.8	11.8	-	11.8
Chetopa City of	11.8	10.6	9.0	10.9
Waterville City of	11.9	16.6	12.0	13.3
Troy City of	11.9	11.4	-	11.7
Pomona City of	11.9	8.8	-	11.0
Sharon Springs City of	11.9	11.4	11.0	11.5
Mount Hope City of	11.9	12.1	-	12.0
Mulberry City of	12.0	12.4	-	12.0
Sabetha City of	12.0	12.5	11.1	11.5
Elsmore City of	12.0	11.9	50.0	12.3
Centralia City of	12.0	10.8	-	11.6
Haven City of	12.0	11.1	-	11.5
Bronson City of	12.1	12.9	-	12.2
Meade City of	12.1	10.9	9.2	10.8
Osborne City of	12.2	26.4	11.5	13.4
Pratt City of	12.2	11.6	9.0	11.7
Oxford City of	12.3	11.8	10.1	11.8
Montezuma City of	12.4	12.2	-	12.3
Arcadia City of	12.4	10.8	-	12.3
Savonburg City of	12.4	16.7	-	12.9
Wathena City of	12.4	11.9	-	12.3
Osawatomie City of	12.4	12.4	12.0	12.4
Anthony City of	12.5	12.2	-	12.4
Oberlin City of	12.5	12.5	-	12.5

	Residential Rev/kWh	Commercial Rev/kWh	Industrial Rev/kWh	Total Rev/kWh
St Francis City of	12.5	11.7	-	12.1
Wellington City of	12.6	10.9	8.9	11.2
Sterling City of	12.7	11.3	-	12.0
Hugoton City of	12.7	12.4	-	12.6
Hill City City of	12.7	11.8	-	12.3
Moran City of	12.8	10.4	-	11.6
Norton City of	12.8	11.8	10.4	12.2
Kingman City of	12.8	10.2	8.3	10.3
Lincoln Center City of	13.0	14.1	12.6	13.1
Ellinwood City of	13.0	13.0	-	13.0
Prescott City of	13.1	11.7	-	12.7
Greensburg City of	13.1	11.1	-	12.3
Herington City of	13.3	13.6	-	13.5
Ashland City of	13.4	12.0	-	12.6
Radium City of	13.4	-	-	13.4
Iuka City of	13.5	16.5	14.3	14.4
Minneapolis City of	13.5	11.8	11.8	12.7
Horton City of	13.6	12.1	11.6	12.8
Belleville City of	13.6	10.9	-	12.1
Elwood City of	13.8	12.3	-	13.4
Lakin City of	13.8	12.5	-	13.2
Baldwin City City of	14.1	13.4	-	13.7
Osage City City of	14.2	13.0	8.1	12.2
Dighton City of	14.2	14.6	-	14.4
Kiowa City of	14.2	13.6	11.6	13.5
Stockton City of	14.3	14.4	12.8	14.2
Girard City of	14.6	13.6	10.7	13.0
Erie City of	14.7	13.2	14.7	13.9
Washington City of	14.9	14.9	-	14.9
Toronto City of	15.0	13.5	-	14.7
Vermillion City of	15.7	13.0	-	14.9
Morrill City of	16.2	17.2	16.7	16.4
Hoisington City of	16.3	12.9	-	15.0

Kansas
Investor-Owned

Kansas Gas & Electric Co	9.9	8.1	5.9	7.9
Westar Energy, Inc.	9.9	8.1	6.8	8.5
Empire District Electric Co	10.6	11.4	8.3	10.2
Kansas City Power & Light Co	10.8	8.8	7.6	9.6

Kansas
Cooperative

Alfalfa Electric Coop, Inc	9.0	9.6	7.8	9.1
Pioneer Electric Coop, Inc	9.9	9.2	7.7	8.4
Midwest Energy Inc	10.9	10.1	8.3	9.4
Victory Electric Coop Assn Inc	11.1	8.2	11.3	9.0
Lane-Scott Electric Coop, Inc	11.1	10.7	11.6	10.9

	Residential Rev/kWh	Commercial Rev/kWh	Industrial Rev/kWh	Total Rev/kWh
Western Coop Electric Assn Inc	11.3	9.2	12.4	9.6
Wheatland Electric Coop, Inc	11.5	11.5	8.2	10.1
Prairie Land Electric Coop Inc	11.6	12.0	8.9	11.2
Nemaha-Marshall E C A, Inc	11.7	13.1	33.3	11.9
Sedgwick Cnty El Coop Assn Inc	11.8	11.4	9.4	11.4
Kaw Valley Electric Coop Inc	12.4	13.0	10.6	12.2
Radiant Electric Coop, Inc	12.6	12.3	6.5	11.9
Tri-County Electric Coop, Inc (OK)	12.6	11.9	-	12.3
Doniphan Elec Coop Assn, Inc	12.9	12.3	5.5	12.8
Heartland Rural Elec Coop, Inc	13.7	12.3	7.6	12.5
Butler Rural El Coop Assn, Inc	13.8	12.2	-	13.5
Twin Valley Electric Coop, Inc	13.9	16.3	-	14.6
D S & O Rural E C A, Inc	14.0	14.3	12.7	14.0
Flint Hills Rural E C A, Inc	14.1	12.3	18.3	13.6
Brown-Atchison E C A Inc	14.4	13.2	-	14.0
Caney Valley El Coop Assn, Inc	14.4	13.7	-	14.1
CMS Electric Coop Inc	14.5	11.9	8.9	10.6
Bluestem Electric Coop, Inc	14.5	12.4	17.2	14.0
Lyon-Coffey Electric Coop, Inc	14.7	14.7	20.2	14.7
Leavenworth-Jefferson E C, Inc	14.7	10.0	14.4	13.8
Ninnescah Rural E C A Inc	14.9	13.1	8.5	13.0
Sumner-Cowley Elec Coop, Inc	15.3	12.5	16.2	14.2
Rolling Hills Electric Coop	15.4	12.2	20.9	14.5
Ark Valley Elec Coop Assn, Inc	15.8	14.3	10.6	14.3

Source: U.S. Department of Energy, Energy Information Administration, Form EIA-861, 2011 data.
Prepared October 2012 by the American Public Power Association, Department of Statistical Analysis.
Revenue per kilowatt hour data represent full-service sales only.
See final tab, "Unbundled Sales," for unbundled rates.