

THE EMPIRE DISTRICT ELECTRIC COMPANY

SCHEDULE _____

(Name of Issuing Utility)

Replacing Schedule _____ Sheet 11

ALL TERRITORY

(Territory to which schedule is applicable)

which was filed _____

KANSAS COMMERCIAL AND INDUSTRIAL REBATE PILOT PROGRAM
C&I

Sheet 1 of 4 Sheets

APPLICATION:

The Kansas Commercial and Industrial Rebate Pilot Program (Program) is designed to encourage more effective utilization of electric energy through energy efficiency improvements in the building shell or through the replacement of inefficient electrical equipment with efficient electrical equipment, by providing a rebate for a portion of the costs of the improvements and for energy audit and the related upgrades that improve efficient use of electricity. The Empire District Electric Company's (Company) participation in such financial incentives is limited to the Funds allocated for that purpose.

DEFINITIONS:

Administrator – The Company will administer the program.

Funds – The Company has allotted funds annually to fulfill a portion of audit costs and both prescriptive rebates and custom rebates.

Participant – Electric customer in a Commercial or Power Service rate schedule being served by the Company in its Kansas electric service territory that elects to purchase energy auditing services and/or electrical energy efficiency upgrades through the Program.

Energy Audit Firm – Any vendor which provides commercial energy auditing services that has agreed to perform these services through the Program. The auditor must be a Certified Energy Manager, licensed Professional Engineer, or equivalent.

Energy Audit Rebate – Rebate offered of up to 50% of the cost of the energy audit to customers implementing at least one of the audit recommendations that qualify for a rebate. The energy audit rebate offered will be up to 50% of the audit cost up to \$300 for customers with facilities less than 25,000 square feet and up to \$500 for customers with facilities over 25,000 square feet. Customers with multiple buildings will be eligible for multiple audit rebates.

Prescriptive Rebates -- Certain rebates which have a set rebate amount and that do not have to meet the custom rebate calculation criteria. All participants will be eligible to apply for prescriptive rebates.

Custom Rebates – Custom rebates will be available to all Commercial and Industrial customers listed as Participants. Each potential rebate will be individually determined and analyzed to ensure that it passes the Total Resource/Cost Test (defined as a test result of 1.0 or higher) and has a payback greater than two (2) years. The amount of the custom rebate will be calculated as the lesser of the following:

- A buydown to a two-year payback
- 50% of the incremental cost
- 50% of lifecycle avoided demand and energy costs

AVAILABILITY:

The Program is voluntary and available on a first-come, first-served basis to any commercial or industrial facility located in Kansas that is receiving electric service under a Commercial or Power Service rate schedule from the Company until funds for that year have been expended. Customers with multiple buildings will be eligible for multiple audit rebates. A customer is still eligible for custom rebates if they qualify for prescriptive rebates. Additionally, one customer may submit multiple rebate applications for different measures, each of which will be evaluated on its own merits. Similar measures that are proposed in different facilities or buildings will be evaluated separately. However, no customer, including those with multiple facilities or buildings, may receive more than \$5,000 in incentives for any program year.

TERMS & CONDITIONS:

This Program will provide rebates to Participants that install, replace or retrofit qualifying electric savings measures including HVAC systems, motors, lighting, pumps, etc. Rebates are also available for energy audits. Terms of the rebate are:

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Sheet 2 of 4 Sheets

1. Prescriptive Rebates for lighting, cooling, and motors are available to all Participants. A listing of the Prescriptive Rebates is below and may also be found on the website, www.empiredistrict.com. If a measure is eligible for a Prescriptive Rebate, it is not eligible for a Custom Rebate on the same measure. A customer may apply for the prescriptive rebates by accessing the application on the Company's website and forwarding the application along with the invoice, if the items have been purchased, to the address provided on the application.

Prescriptive Rebates:

LIGHTING-The following rebates are available for early replacement of lamps and ballasts in existing systems.

High Performance T8 fixtures - High Performance T8 (or "Super T8") lighting is an option that can be used to retrofit T12 or standard T8 lighting in existing facilities, or can be used instead of standard T8 lighting in new facilities. High Performance T8 fixtures must meet specifications set by the Consortium for Energy Efficiency [CEE] including, but not limited to, the following:

- lamps must have 90 lumens per watt [LPW] or greater
- 88 LPW for programmed start ballasts lamps must have high color rendering index [CRI], greater than or equal to 81
- electronic ballasts must be instant start or programmed start meeting CEE performance

Rebates are as follows :

- \$20 for 2- lamp fixtures
- \$30 for 3- lamp fixtures

Standard T8 lamps and ballasts - This option is only available for the replacement of existing T12 systems. Both lamps and ballasts must be replaced to be eligible. Rebates are as follows :

- \$2 per lamp
- \$10 per ballast

Lighting Power Density - For common building types where the above prescriptive lighting options do not apply, a prescriptive rebate may be available based on Lighting Power Density. The overall lighting power must be reduced by at least 25% below the requirements of the local energy code or ASHRAE Std. 90.1. Rebates are as follows :

- \$1 per watt per square foot reduction

High Intensity Fluorescent - High Intensity Fluorescent lighting is designed to replace high intensity discharge [HID] fixtures in high bay and other applications such as gymnasiums, warehouses, and parking lots. These fixtures must have the following characteristics: use T5 or T5HO lamps with electronic ballasts use at least 4 lamps per fixture the fixture must be at least 75% efficient. Rebates are as follows :

- \$50 per fixture

Pulse Start Metal Halide - for HID applications, rebates are available for lamp and ballast replacements in typical 400 watt high bay applications. The lamp must be rated as pulse start with a pulse start ballast. Lamp wattage must be either 320 or 360 watts as a replacement for 400 watt metal halide or high pressure sodium. Rebates are as follows :

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C&I

Sheet 3 of 4 Sheets

- \$50 per fixture

Lighting Controls - rebates are available for occupancy sensors, either switch replacements or remote/ceiling mounted that use ultrasonic or passive infrared technology. Dual technology sensors are also eligible. Rebates for switch replacement sensors are limited to small rooms less than 250 sq.ft. Rebates are as follows :

- \$20 for switch replacement sensors
- \$50 for ceiling/remote mounted sensors

AIR CONDITIONING-Rebates are available for exceeding the minimum performance requirements of local energy codes [or ASHRAE Std. 90.1] for unitary packaged and split system air conditioners typically found in small commercial applications. The performance levels required vary by type and size but are consistent with the high-efficiency standards set forth by CEE.

Type and Size	Minimum Performance	Rebate
Single Phase Unitary or Split Systems < 5.4 tons	14.0 SEER	\$92 per ton
Three Phase Unitary or Split Systems < 5.4 tons	13.0 SEER	\$92 per ton
Unitary or Split Systems >5.4 tons and <= 11 tons	11.0 EER	\$73 per ton
Unitary or Split Systems >11 tons and <= 20 tons	10.8 EER	\$79 per ton
Unitary or Split Systems >20 tons and <= 30 tons	10.0 EER	\$79 per ton

MOTORS-Rebates are available for installing motors that exceed minimum performance requirements of local energy codes [or ASHRAE Std. 90.1] for typical applications of three phase Design A and Design B motors. Rebates are available for both Open Drip Proof [ODP] and Totally Enclosed Fan Cooled [TEFC] motor types. Motor efficiency must meet or exceed that which is classified as NEMA Premium. These performance levels are provided in the table below.

Motor Size [HP]	ODP	TEFC Incentive (\$/Motor)	NEMA Nominal Efficiency
1	85.5%	85.5%	\$50
1.5	86.5%	86.5%	\$50
2	86.5%	86.5%	\$60
3	89.5%	89.5%	\$60
5	89.5%	89.5%	\$60
7.5	91.0%	91.7%	\$90
10	91.7%	91.7%	\$100
15	93.0%	92.4%	\$115
20	93.0%	93.0%	\$125
25	93.6%	93.6%	\$130

Rebates are limited to the most common motor speed, 1800 rpm [nominal]. Larger motors or other motor speeds may be eligible under the Custom Rebate Program. Any efficiency measure not contained in this list may be submitted to the Custom Rebate Program.

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Sheet 4 of 4 Sheets

2. Custom Rebates are available to all Participants. The Custom Rebates will be individually determined and analyzed to ensure that the proposed measure passes the Total Resource/Cost Test at a test result of 1.0 or higher and has a payback greater than two (2) years . Once it is determined that the proposed measure passes the above test, the rebate will be calculated as the lesser of (1) a buydown to a two-year payback, (2) Fifty (50) percent of the incremental cost, or (3) Fifty (50) percent of lifecycle avoided demand and energy costs. A customer may submit multiple rebate applications for different measures. Each individual measure will be evaluated on its own merits. Similar measures that are proposed in different facilities or buildings will be evaluated separately. Customers may apply for Custom Rebates on-line at the Company website, www.empiredistrict.com, or they may request an application by contacting the Company at 800-206-2300.
3. Empire will offer rebates to Participants to cover up to fifty percent (50%) of the cost of an energy audit. To receive this rebate, the Participant must implement at least one of the audit recommendations that qualify for a rebate. The energy audit rebate will be set at 50% of the audit cost up to three hundred dollars (\$300) for customers with facilities less than 25,000 square feet and up to five hundred dollars (\$500) for customers with facilities over 25,000 square feet. Energy audits must be performed by a certified (CEM, licensed PE, or equivalent) commercial energy auditor. Customers with multiple buildings will be eligible for multiple audit rebates.
4. The maximum amount per customer, including those with multiple facilities or buildings, is \$5,000 in incentives for any program year.

EVALUATION:

Evaluation, Measurement, and Verification ("EM&V") will be conducted as prescribed by the Kansas Corporation Commission following the completion of two (2) years of implementation and utilizing an external, disinterested third party.

PROGRAM FUNDING:

Annual funds available for this program are as follows:

<u>Year</u>	<u>Total</u>
2010	\$58,300
2011	\$58,977
2012	\$59,689

Projects that have been approved may be scheduled in the succeeding program year but not beyond the end of the third year of the Program.

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