

Prescriptive Program

South Dakota/Wyoming: Commercial and Industrial Customers

Rebate Checklist

Get your rebate check faster by checking off these easy steps before mailing your application form. Incomplete applications may be delayed.

- Completely fill out application (mandatory)**
- Lighting rebate applications must include a detailed study showing savings of existing compared to proposed equipment.
- Attach all receipts
- Attach itemized invoice with cost and labor²
- Review Terms and Conditions and sign and date application
- Dealer portion completely filled out and signed (if applicable)
- Make and retain copies of all documents and application
- Send all documents to correct address listed on application

Terms And Conditions

General Eligibility

1. Participants must be Black Hills Energy commercial or industrial customers.
2. Total rebate amount per application will be no more than 50 percent of the total labor, material and equipment costs shown on itemized invoices for the qualifying measures. Black Hills Energy reserves the right to adjust equipment or rebate amounts submitted with this application.
3. This program is subject to regulatory rules and orders, and Black Hills Energy reserves the right to change or to end any portion of this program without notice.
4. A final, itemized invoice for all materials and labor related to the installation must be attached to this rebate application. Applications must be completed in full: incomplete or incorrect applications will delay processing and may be returned.
5. Funding for these rebates is limited. Applications will be processed on a first-come, first-served basis. Additional information or assistance in completing your rebate application can be obtained by calling 888-890-5554.
6. \$25,000 per year maximum rebate (custom and prescriptive measures combined) per facility.
7. Applications must be submitted by August 1, 2017.

Mail completed application and itemized invoices to:

Energy Efficiency Programs
Black Hills Energy
P.O. Box 1400, Rapid City, SD 57709

ADDITIONAL INFORMATION

For more information or to download additional applications visit
www.bheSaveMoney.com
or call our toll-free help line at **800-742-8948**.

Qualifying Equipment Information

Please see accompanying Information Sheet for additional details and qualifications.

All measures are for retrofits only, except as noted.

Prescriptive Lighting Qualifying Measures				
Equipment	Specifications	Rebate per Unit X	QTY =	Rebate
De-Lamping (Retrofit only)				
Delamp T12, T12HO, or T8 fixtures to T8 technology. All delamping must include high efficiency electronic ballasts. There must be permanent removal of lamps, ballasts and sockets in the system being rebated. This rebate may not be combined with other rebates for lamp or fixture replacement. Rebates equal to or greater than \$8,000 must be pre-approved. Pre-retrofit site inspection may be required by Black Hills Energy.				
T8 to T8	Reduce the number of existing T8 lamps per fixture. Must include low ballast factor (<=0.85).	\$8 per fixture		\$
T12 to T8 (retrofit existing 2 lamp fixtures)	Retrofit existing 2 lamp T12 fixtures and replace with a reduced number of T8 lamps. Must include a high-efficiency ballast (low, normal or high ballast factor).	\$8 per fixture		\$
T12 to T8 (retrofit existing 3 or 4 lamp fixtures)	Retrofit existing 3 or 4 lamp T12 fixtures and replace with a reduced number of T8 lamps. Must include a high-efficiency ballast (low, normal or high ballast factor).	\$12 per fixture		\$
Fluorescent T8 Lamps with High Efficiency Electronic Ballasts and Low Ballast Factors				
4 foot or less	1 to 2 lamp	Replace incandescent or T12 systems with T8 systems. Must include high efficiency electronic ballasts.		\$
	3 to 4 lamp		\$9 per fixture	\$
5 foot to 8 foot	1 to 2 lamp		\$8 per fixture	\$
High Performance T8 (Must conform to Consortium for Energy Efficiency specifications)				
HPT8	1 to 2 lamp	System must have mean lumens per watt ≥ 90 for instant start ballasts or ≥ 88 for programmed rapid start ballasts.		\$
	3 to 4 lamp		\$18 per fixture	\$
Low-Wattage Fluorescent T8 Lamps				
4 foot	T8	Install 28 W or less in existing fixtures with 32 W lamps and appropriate ballasts	\$0.50 per lamp	\$
Fluorescent Fixtures with Specular Reflectors				
4 foot		Each unit shall have a minimum reflectivity of 87% and use T8 or T5 lamps and electronic ballasts.	\$12 per fixture	\$
Two 4 foot	Tandem wired		\$12 per fixture	\$
8 foot			\$16 per fixture	\$
Two 8 foot	Tandem wired		\$16 per fixture	\$
High-Bay Fluorescent Fixtures with Electronic Ballasts				
T8, 4 foot	6 to 8 lamps	Replace 400 W HID systems with 6-8 lamp T8 or 4-5 lamp T5HO systems.	\$75 per fixture	\$
T5HO, 4 foot or less	4 to 5 lamps		\$75 per fixture	\$
T5HO, 4 foot or less	6 lamps	Replace 400 W HID systems with 6 lamp T5HO systems.	\$40 per fixture	\$
T8, 4 foot	12 to 18 lamps	Replace 1000 W HID systems with 12-18 lamp T8 or 8-14 lamp T5HO systems.	\$125 per fixture	\$
T5HO, 4 foot or less	8 to 14 lamps		\$125 per fixture	\$
Hardwired or Modular Compact Fluorescent Fixtures				
18 W or less	Replace incandescent systems with hardwired or modular CFL systems. Does NOT include screw-base CFLs.	\$8 per fixture		\$
19 W or 32 W		\$18 per fixture		\$
33 W or greater		\$24 per fixture		\$
Industrial Multi-CFL Fixtures				
Replace fluorescent T12 or HID systems with Multi-CFL systems		\$25 per fixture		\$
Pendant, Wall Mount, and Recessed Indirect Fixtures				
T8 or T5	Fixture efficiency must meet or exceed 80% and contain no more than 3 lamps with an indirect or direct/indirect distribution.	\$24 per 4 foot section		\$

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Prescriptive Lighting Qualifying Measures (cont.)

Equipment	Specifications	Rebate per Unit X	QTY =	Rebate
High-Efficiency Fluorescent Fixtures (New Construction Only)				
1 Lamp	Fixture efficiency shall meet or exceed 75% for parabolic and 83% for prismatic and shall contain no more than 3 HPT8 or T5 lamps equipped with electronic ballasts. Standard T8 lighting in new construction is not eligible for this rebate.	\$4 per fixture		\$
2 Lamp		\$8 per fixture		\$
3 Lamp		\$8 per fixture		\$
Ceramic Metal Halide fixtures				
150 W or less	Replace incandescent, high pressure sodium or mercury vapor with ceramic metal halide. Lamp wattages must be lower than lamps removed.	\$17 per fixture		\$
151 W to 250 W		\$28 per fixture		\$
251 W or greater		\$45 per fixture		\$
Pulse-Start Metal Halide fixtures				
175 W or less	Replace incandescent, mercury vapor, high pressure sodium, or metal halide systems with pulse-start metal halide systems. Lamp wattages must be lower than lamps removed.	\$25 per fixture		\$
176 W to 319 W		\$40 per fixture		\$
320 W to 749 W		\$55 per fixture		\$
750 W or greater		\$65 per fixture		\$
Fluorescent Controls				
Wall Mounted Occupancy Sensor	Hardwired passive infrared and/or ultrasonic detector.	\$12 per control		\$
Fixture Mounted Photo Sensor	Daylight Controlled On/Off.	\$12 per control		\$
Fixture Mounted Occupancy Sensor	Unit shall be mounted on and control fixture with an On/Off control.	\$28 per control		\$
HID Controls				
Occupancy controlled Hi-Low	Each unit shall control HID lamp. Fixtures controlled On/Off are not eligible.	\$35 per fixture		\$
Daylight controlled dimming		\$35 per fixture		\$
LED or LEC Exit Signs				
LED or LEC Exit Signs	Replace incandescent with LED or LEC exit signs.	\$6 per fixture		\$
ENERGY STAR® Qualified Interior LED Lamps				
5 W or less	Replace incandescent with ENERGY STAR® qualified LED lamps and luminaires.	\$5 per lamp		\$
Greater than 6 W to 10 W		\$8.50 per lamp		\$
11 W or greater		\$12.50 per lamp		\$
LED Replacement for Linear Fluorescent Lamps				
LED Linear Replacement Lamps 4 foot or less	Replace T12 or T8 lamps with LED linear replacement lamps. Must have minimum lamp efficacy of 80 lumens per watt, L70 lumen maintenance of 50,000 hours, and 3 year warranty. LM79 results required.	T8 - \$8 per lamp T12 - \$16 per lamp		\$
LED Linear Replacement Lamps 5 to 8 feet		\$23 per lamp		\$
LED Fixtures for Exterior and Parking Garage Installations				
25 W or less	Replace HID* systems with LED systems that use 3-6 times less energy** (e.g., a 50 W fixture can replace a 150 W-300 W HID). Replacement LED fixtures must be used for exterior lighting or inside parking garages. Fixtures must be rated for exterior use.	\$35 per fixture		\$
26 W to 60 W		\$75 per fixture		\$
61 W to 150 W		\$100 per fixture***		\$

*High-intensity discharge (HID) systems include mercury vapor, high-pressure sodium, metal halide and pulse-start metal halide. ** These rebates are available specifically for standard retrofit projects in which the lumen output of the proposed system is similar to the existing system and the energy savings is within a reasonably expected range.

*** For individual lamps or fixtures rated at 150 Watts or higher, rebates will be paid by dividing the lamp or fixture Wattage by 150 and multiplying by \$100.

Prescriptive Lighting Replacement Options – Information Sheet

Prescriptive rebates are available for many commonly installed lighting products. All measures listed below are for retrofits only, except as noted. If your project does not qualify under one of the prescriptive lighting options below, it may still qualify for rebates. Please call 800-742-8948 if you need additional information.

Please note: High efficiency electronic ballasts are required for all T8, high-bay and de-lamping rebates. The Consortium for Energy Efficiency (CEE) maintains lists of qualified ballasts at www.cee1.org. See the table below for minimum ballast efficacy guidelines. Additional lighting rebates may be available through Black Hills Energy's Custom or Self-Direct Custom programs. **De-lamping applications for rebates equal to or greater than \$8,000 and Custom or Self-Direct Custom program applications require pre-approval prior to project initiation and purchase of equipment. Failure to obtain pre-approval may cause an application to be rejected.**

Instant Start Ballasts			
Lamps	Low (BF ≤0.85)	Normal (0.85 < BF ≤ 1.0)	High (BF ≤1.01)
1	3.08	3.11	3.03
2	1.60	1.58	1.55
3	1.04	1.05	1.04
4	0.79	0.80	0.77
6	N/A	N/A	0.52

Programmed Rapid Start Ballasts			
Lamps	Low (BF ≤0.85)	Normal (0.85 < BF ≤1.0)	High (BF ≤1.01)
1	2.84	2.84	2.95
2	1.48	1.47	1.51
3	0.97	1.00	1.00
4	0.76	0.75	0.75
6	N/A	N/A	0.50

De-Lamping

Rebates are based on two eligible measures:

1. The conversion of existing T12 fixtures to T8 with the permanent removal of the equivalent of at least one 4' T12 or T12HO lamp from an existing 8' or 4' fixture as a result of a retrofit.
2. Permanent removal of the equivalent of at least one 4' T8 lamp from an existing 8' or 4' fixture as a result of a retrofit. **T8 to T8 de-lamping must include high efficiency electronic ballasts with low ballast factor.**

Rebate amount is per fixture, and may not be combined with other lighting rebates. Reducing the quantity of fixtures by removal or abandoning in place does not qualify. In order to qualify, the fixture must be retrofitted such that the existing ballast(s) must be disconnected and removed, a new high efficiency electronic ballast is installed that is appropriate for the lamp quantity, and the sockets for the eliminated lamps are removed. De-Lamping is applicable only for retrofits of existing lighting systems. This rebate is not applicable to major

facility renovations or new construction. Pre-approval is required for rebate amounts equal to or greater than \$8,000. **A pre-retrofit site inspection by Black Hills Energy may be required.**

By signing the application form, the customer confirms that de-lamping has occurred. De-lamping may reduce light levels. Black Hills Energy recommends that the customer follow appropriate guidelines to insure adequate light levels in the affected areas. Final light levels are the customer's responsibility.

Low-Wattage T8 Lamps

Rebates are based on the installation of 4-foot T8 lamps, 28W or less, in existing T8 fixtures using 32W lamps. Customer must insure that existing ballasts are compatible with low wattage T8 lamps.

Fluorescent Fixtures with Specular Reflectors

Rebates are based on one-for-one replacement of fluorescent T12 or incandescent fixtures with T8, HPT8, or T5 fixtures with specular reflectors. The new fixtures must include high efficiency electronic ballasts. Please visit www.CEE1.org for qualifying ballasts.

Fluorescent T8 or High Performance T8 (HPT8) Fixtures with High Efficiency Electronic Ballasts and Low, Normal, or High Ballast Factors

Rebates are based on one-for-one replacement of fluorescent T12 or incandescent fixtures. The new fixtures must include high efficiency electronic ballasts. Please visit www.CEE1.org for qualifying ballasts.

High-Bay Fluorescent Lamps with High Efficiency Electronic Ballasts

Rebates are based on a one-for-one replacement of High Intensity Discharge (HID) fixtures of 175W or greater, including mercury vapor, high pressure sodium, metal halide, or pulse start metal halide. Rebates are available for T8 or T5HO systems. Retrofits must include high efficiency electronic ballasts. Other fixture configurations may be considered under the Custom or Self-Direct Custom programs.

Hardwired or Pin-Based Compact Fluorescent Fixtures

Rebates are based on one-for-one replacement of incandescent fixtures with new, pin-based compact fluorescent fixtures (CFLs). For fixtures that containing more than one lamp, the rebate is based on the total fixture wattage. (i.e., one fixture that houses (2) 18W CFLs would be rebated as (1) 36W CFL fixture. Screw-base CFLs do not qualify for this rebate.

Industrial Multi-CFL Fixtures

Rebates are based on one-for-one replacement of HID fixtures, including mercury vapor, high pressure sodium, metal halide, or pulse start metal halide. New fixtures must contain more than one CFL lamp to qualify.

Pendant, Wall-Mount or Recessed Indirect Fixtures

Rebates are based on equivalent four-foot fixture sections. Fixtures cannot contain more than 3 lamps, and must utilize indirect, or direct-indirect distribution. Fixture efficiency must be at least 80 percent.

High-Efficiency Fluorescent Fixtures (New Construction Only)

Rebates are based on the installation of HPT8 or T5 lighting in new construction and major renovation projects. A major renovation is a project in which existing lighting systems will be substantially removed and replaced with new fixtures

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as part of a larger facility renovation or reconfiguration. Standard T8 lighting is not eligible for this rebate.

Ceramic Metal Halide and Pulse-Start Metal Halide

Rebates are based on one-for-one replacement of incandescent, halogen, quartz metal halide, mercury vapor or high pressure sodium fixtures. Lamp wattages must be lower than existing lamp wattages.

Lighting Controls

Controls must be permanently installed. Occupancy sensors may be wall-, fixture- or ceiling-mounted, passive infrared, ultrasonic, or dual technology sensors. On-Off controls for HID fixtures are not eligible for this rebate.

LED and LEC Exit Signs

Rebates are based on one-for-one replacement of incandescent exit signs to LED and LEC exit signs. CFL exit signs do not qualify for a rebate.

ENERGY STAR Qualified Interior LED Lamps and Luminaires

ENERGY STAR qualified LED lamps and luminaires are required for prescriptive rebates. A list of qualified commercial LED lighting is available at www.energystar.gov/sslpartners. Other LED lamps and fixture combinations, including refrigerated LED case lighting, exterior canopy, and soffit fixtures that do not qualify for these prescriptive rebates can be considered under the Custom or Self-Direct Custom program, which requires preapproval.

LED Replacement for Interior Linear Fluorescent Lighting

Rebates are based on replacing existing T12 or T8 linear fluorescent lighting with LED linear tubes for interior lighting. ENERGY STAR qualification is not currently required, however, LED linear replacement lamps must have minimum lamp efficacy of 80 lumens per watt, L70 lumen maintenance of 50,000 hours, and 3 year warranty. LM79 results are also required.

HVAC/HEAT PUMPS/GEOHERMAL/PTHP/ELECTRIC WATER HEATERS				
Type and Size	Specifications	Rebate	Tons =	Rebate
Single Phase Package or Split Systems	SEER ≥ 14, < 5.4 tons	\$50 per ton		
Geothermal Heat Pump	EER ≥ 17.1, COP ≥ 3.6	\$70 per ton		
Heat Pump Water Heater	EF ≥ 2.0	\$5 per gallon		

1. HVAC equipment efficiency criteria are based on applicable ARI standards at ARI standard conditions using a non-CFC refrigerant. Attach a copy of manufacturer’s performance sheet showing Full Load and Integrated Part Load Value (IPLV) efficiencies.
2. Rebates for units with efficiencies based on EER are calculated: (Cx/D) plus the higher of (E x (F-B) x100xD) or (E x (G-B) x100xD) Rebates for units with efficiencies based on kW/ton are calculated: (Cx/D) plus the higher of (E x (B-F) x100xD) or (E x (B-G) x100xD).

MOTORS

Motor Size (HP)	NEMA Nominal Efficiency						Incentive per Motor
	Open Drip-Proof (ODP)			Totally Enclosed Fan-Cooled (TEFC)			
	Speed (RPM)			Speed (RPM)			
	1200	1800	3600	1200	1800	3600	
1	82.5%	85.5%	77.0%	82.5%	85.5%	77.0%	\$10
1.5	86.5%	86.5%	84.0%	87.5%	86.5%	84.0%	\$15
2	87.5%	86.5%	85.5%	86.5%	86.5%	85.5%	\$20
3	88.5%	89.5%	85.5%	89.5%	89.5%	86.5%	\$25
5	89.5%	89.5%	86.5%	89.5%	89.5%	88.5%	\$35
7.5	90.2%	91.0%	88.5%	91.0%	91.7%	89.5%	\$50
10	91.7%	91.7%	89.5%	91.0%	91.7%	90.2%	\$65
15	91.7%	93.0%	90.2%	91.7%	92.4%	91.0%	\$75
20	92.4%	93.0%	91.0%	91.7%	93.0%	91.0%	\$100
25	93.0%	93.6%	91.7%	93.0%	93.6%	91.7%	\$125
30	93.6%	94.1%	91.7%	93.0%	93.6%	91.7%	\$150
40	94.1%	94.1%	92.4%	94.1%	94.1%	92.4%	\$200
50	94.1%	94.5%	93.0%	94.1%	94.5%	93.0%	\$250
60	94.5%	95.0%	93.6%	94.5%	95.0%	93.6%	\$300
75	94.5%	95.0%	93.6%	94.5%	95.4%	93.6%	\$350
100	95.0%	95.4%	93.6%	95.0%	95.4%	94.1%	\$450
125	95.0%	95.4%	94.1%	95.0%	95.4%	95.0%	\$500
150	95.4%	95.8%	94.1%	95.8%	95.8%	95.0%	\$550
200	95.4%	95.8%	95.0%	95.8%	96.2%	95.4%	\$600

EQUIPMENT INFORMATION

Unit ID	Manufacturer	Model #	Motor Size (HP)	Motor Type (ODP/TEFC)	NEMA Nominal Efficiency	Incentive From Above	Qty	Rebate

Customer Information

(To be completed by customer)

Account Number

(Located in upper right-hand corner of Black Hills Energy electric bill)

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Company Name _____
(Please print)

Rebate Check Payable To _____

Installation Address _____

City _____ State _____ ZIP _____

Contact Person _____

Title _____

Telephone _____ Fax _____

Email _____

Where did you learn about our rebates?

- Bill insert Billboard Door Hanger Email Event
 Flyer Newspaper Article Print Ad Radio Website
 Other (please specify) _____

Referral by: Evaluator Contractor/Dealer/Installer

Friend/Family Other (please specify) _____

Facility Information

(Information is mandatory)

Type of Facility: New Existing Addition

Year Built _____ Square Footage _____

Own Rent

Building Type: Office Retail Health Care

Restaurant Education Lodging Grocery

Warehouse Other _____

Equipment Type: New Replacement

Customer Agreement

I certify that all equipment listed has been purchased and installed at the installation address indicated. I agree to the terms and conditions in this brochure. Black Hills Energy reserves the right to inspect installations before and/or after paying rebates.

Customer Signature _____

Date _____

Dealer Verification

(To be completed by dealer/contractor or Installer)

We certify that the indicated equipment was installed per the Terms and Conditions of this program at the address shown. All Terms and Conditions of the program have been met. We certify that all equipment information provided in the application is correct. Black Hills Energy reserves the right to inspect and verify any equipment before or after issuing rebates.

Name _____
(Please print)

Contact Person _____

Permit Number _____

Dealer Address _____

City _____ State _____ ZIP _____

Telephone _____ Fax _____

Email _____

Signature _____

Date _____

Verification

A firm and final bid or sales receipt indicating date of installation, dealer/contractor name, equipment manufacturer name and model number and manufacturer's equipment cut sheet must accompany the rebate application. Incomplete applications may be delayed. Black Hills Energy reserves the right to verify sales receipts, cancelled checks, and installations.

Tax Information

Rebates may be subject to federal income tax reporting. Applicant is responsible for contacting a qualified tax advisor to determine tax liability. Black Hills Energy is not responsible for any tax consequences of the rebate program.

Disclaimer

Black Hills Energy does not guarantee that installation of equipment qualifying for rebates will result in reduced energy usage or demand, or in cost savings. The Customer will hold harmless Black Hills Energy and its officers, directors, shareholders, agents, employees, and representatives from all claims, liabilities, fines, interest, costs, expenses, and damages incurred by the Customer, for any damage, injury, death, loss or destruction of any kind to persons or property, to the extent the damage, injury, death, loss or destruction arises out of or is related to the conduct, negligence, willful misconduct, misrepresentation, breach of warranty or other breach of this rebate form on the part of Black Hills Energy.