



A Utility Guide to Commercial Energy Efficiency Measures

April 2014



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Energy Efficiency for Commercial Buildings

April 201

THE BONNEVILLE POWER ADMINISTRATION offers several incentives for the installation of qualified energy-efficient equipment that lowers energy use and reduces operating costs for your commercial customers.

The commercial sector offers a wide range of conservation measures and programs that empower utilities to meet their commercial conservation goals. These include energy efficient lighting, refrigeration, HVAC, and appliances. Measures are also available that target offices, including smart power strips and computer power management.

Small and large businesses benefit from various reimbursements designed for office spaces, schools, hotels, shops, grocery stores and more. Reimbursements are available for both deemed measures and custom projects. Many larger commercial retrofit and new construction opportunities are ideal candidates for the custom project path.

Read on to understand what reimbursements are available for commercial applications and how they can be used to help your customers. The measures are organized by potential building types, although many measures are more broadly applicable. For the latest in-depth information on any given measure or program, please refer to the Energy Efficiency Implementation Manual.

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School



Please see p. 4 for more refrigeration system reimbursements.

Equipment and Efficiency Type	Reimbursement
Ductless Heat Pump	\$250/ton
Heat Pump Conversion	\$250/ton
Heat Pump Upgrade	\$100/ton
Advanced Rooftop Control Unit Retrofit	\$150-\$225/ton
Unitary AC Equipment	\$45-\$1,500/unit
Web-enabled Programmable Thermostats	\$150-\$800/unit
Commercial Ice Maker	\$40-\$300/unit
Commercial Kitchen Steamer - ENERGY STAR v2.1	\$100-\$200/unit
Commercial Kitchen Hot Food Holding Cabinet - ENERGY STAR v2.0	\$200-\$400/unit
Combination Oven - ENERGY STAR v2.0	\$1,750/unit
Convection Oven - ENERGY STAR v2.0	\$200/unit
Electric Fryer - ENERGY STAR v2.0	\$125/unit
Commercial Dishwasher	\$100-\$750/unit
Electric Storage Water Heater	\$25/unit
Heat Pump Water Heater	\$300-\$500/unit
Refrigerator and Freezer Decommissioning	\$100/unit
Pre-Rinse Spray Valve	\$100/unit
Network PC Power Management	\$10/workstation
Lighting Calculator	See calculator
Engine Block Heater	\$200-\$1,500/unit

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Office



Equipment and Efficiency Type	Reimbursement
Ductless Heat Pump	\$250/ton
Heat Pump Conversion	\$250/ton
Heat Pump Upgrade	\$100/ton
Advanced Rooftop Control Unit Retrofit	\$150-\$225/ton
Unitary AC Equipment	\$45-\$1,500/unit
Web-enabled Programmable Thermostats	\$150-\$800/unit
Network Computer Power Management	\$10/workstation
Smart Power Strip	\$15/power strip
Small Commercial Retrofit Window	\$3-\$6/sq. ft. of window
Commercial Ice Maker	\$40-\$300/unit
Refrigerator and Freezer Decommissioning	\$100/unit
Electric Storage Water Heater	\$25/unit
Heat Pump Water Heater	\$300-\$500/unit
Commercial Showerhead	\$8-\$11/unit
Lighting Calculator	See calculator
Engine Block Heater	\$200-\$1,500/unit

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Grocery and Refrigeration



Equipment and Efficiency Type	Reimbursement
Anti-sweat Heat Controller	\$40/linear ft. of case
Case Lighting upgrade: T10/T12 to T8	\$12.75-\$22.50/lamp
Case Lighting delamping: T12 or T8 in Open Refrigerated Display Case	\$5/linear ft. of LED tube
Case Lighting upgrade: LEDs in Existing Reach-in Refrigerated Case	\$10-\$25/linear ft.
Case Lighting upgrade: LEDs in New Reach-in Refrigerated Case	\$10/linear ft.
Case Lighting upgrade: T12 Magnetic to Electronic Ballast	\$15/lamp
Case Lighting: LEDs in Existing Open Refrigerated Display Case	\$7-\$24/linear ft.
Case Lighting: LEDs in New Open Refrigerated Display Case	\$5-\$11.50/linear ft.
Evaporator Motor Replace Shaded Pole with ECM in Walk-in	\$140/motor
Evaporator Motor Replace Shaded Pole with ECM in Display Case	\$55/motor
Floating Head Pressure Control on Condensing Unit for Single Compressor System	\$100/hp
Floating Head Pressure Control on Remote Condensor for Single Compressor System	\$60/hp
LED Motion Sensors for Reach-in Refrigerated Case	\$2/linear ft. of lamp
Lighting Calculator	See calculator
Refrigeration Auto Door Closer	\$25-\$150/closer
Refrigeration Gasket Replacement	\$25-\$65/door
Strip Curtain	\$9/ sq. ft. of door area
Heat Pump Water Heater	\$300-\$500/unit
Web Enabled Programmable Thermostats	\$150-\$800/unit
Advanced Rooftop Control Unit Retrofit	\$150-\$225/ton
Engine Block Heater	\$200-\$1,500/unit
EnergySmart Grocer Program	See Implementation Manual

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Lodging

Equipment and Efficiency Type	Reimbursement
Ductless Heat Pump	\$250/ton
Heat Pump Conversion	\$250/ton
Heat Pump Upgrade	\$100/ton
Advanced Rooftop Control Unit Retrofit	\$150-\$225/ton
Web-enabled Programmable Thermostats	\$150-\$800/unit
Unitary AC Equipment	\$45-\$1,500/unit
Demand Controlled Kitchen Ventilation	\$100-\$400/unit
Commercial Ice Maker	\$40-\$300/unit
Commercial Showerhead	\$8-\$11/unit
Heat Pump Water Heater	\$300-\$500/unit
Refrigerator and Freezer Decommissioning	\$100/unit
Lighting Calculator	See calculator
Engine Block Heater	\$200-\$1,500/unit

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Retail



Please see p. 4 for more refrigeration system reimbursements.

Equipment and Efficiency Type	Reimbursement
Ductless Heat Pump	\$250/ton
Heat Pump Conversion	\$250/ton
Heat Pump Upgrade	\$100/ton
Heat Pump Water Heater	\$300-\$500/unit
Advanced Rooftop Control Unit Retrofit	\$150-\$225/ton
Engine Block Heater	\$200-\$1,500/unit
Web-enabled Programmable Thermostats	\$150-\$800/unit
Unitary AC Equipment	\$45-\$1,500/unit
Small Commercial Retrofit Window	\$3-\$6/square foot of window
Commercial Ice Maker	\$40-\$300/unit
Refrigerator and Freezer Decommissioning	\$100/unit
Lighting Calculator	See calculator

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Food Service

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Equipment and Efficiency Type	Reimbursement
Refrigerator and Freezer Decommissioning	\$100/unit
Commercial Ice Maker	\$40-\$300/unit
Commercial Dishwasher	\$100-750/unit
Electric Fryer - ENERGY STAR v2.0	\$125/unit
Convection Oven - ENERGY STAR v2.0	\$200/unit
Combination Oven - ENERGY STAR v2.0	\$1,750/unit
Commercial Kitchen Steamer - ENERGY STAR v2.1	\$100-\$200/unit
Commercial Kitchen Hot Food Holding Cabinet - ENERGY STAR v2.0	\$200-\$400/unit
Electric Storage Water Heater	\$25/unit
Heat Pump Water Heater	\$300-\$500/unit
Pre-Rinse Spray Valves	\$100/unit
Lighting Calculator	See calculator
Heat Pump Conversion	\$250/ton
Heat Pump Upgrade	\$100/ton
Web-enabled Programmable Thermostats	\$150-\$800/unit
Advanced Rooftop Control Unit Retrofit	\$150-\$225/ton
Engine Block Heater	\$200-\$1,500/unit
Demand Controlled Kitchen Ventilation	\$200-\$400/unit

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General Commercial Incentives

Equipment and Efficiency Type	Reimbursement
Ductless Heat Pump	\$250/ton
Heat Pump Conversion	\$250/ton
Heat Pump Upgrade	\$100/ton
Unitary AC Equipment	\$45-\$1,500/unit
Advanced Rooftop Control Unit Retrofit	\$150-\$225/ton
Web-enabled Programable Thermostats	\$150-\$800/unit
Small Commercial Retrofit Window	\$3-\$6/sq. ft. of window
Commercial Ice Maker	\$40-\$300/unit
Commercial Kitchen Steamer - ENERGY STAR v2.1	\$100-\$200/unit
Commercial Kitchen Hot Food Holding Cabinet - ENERGY STAR v2.0	\$200-\$400/unit
Combination Oven - ENERGY STAR v2.0	\$1,750/unit
Convection Oven - ENERGY STAR v2.0	\$200/unit
Electric Fryer - ENERGY STAR v2.0	\$300/unit
Commercial Dishwasher	\$100-750/unit
Electric Storage Water Heater	\$100-750/unit
Heat Pump Water Heater	\$125/unit
Refrigerator and Freezer Decommissioning	\$200/unit
Pre-Rinse Spray Valve	\$1,750/unit
Lighting Calculator	\$100-\$200/unit
EnergySmart Grocer	\$200-\$400/unit
Clothes Washer	\$25-200/unit
Engine Block Heater	\$200-\$1,500/unit
Commercial Showerhead	\$8-\$11/unit

Contact

For more information on commercial incentives, contact your Energy Efficiency Rep.

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Custom Projects

Help your customers save money and energy through custom project support and reimbursements.

What qualifies as a Custom Project?

Commercial custom projects encompass retrofit, expansion and new construction energy efficiency projects. This program helps your customers acquire and install the most energy efficient equipment available. Any measures not covered by the deemed measure programs qualify as custom projects if they meet the custom project requirements.



What financial incentives are available for energy savings?

BPA provides reimbursements for verified energy savings. Reimbursements range from \$0.025/kWh to \$0.35/kWh, depending on measure life, up to 70% of incremental project cost. In addition, these projects may qualify for federal, state, and/or local tax credits.

How does the Custom Project process work?

1. Proposal development (optional)

The utility works with its customer to develop a custom project proposal, including estimated project energy savings, project cost, and measurement & verification (M&V) plan. The BPA customer service engineer may be available to provide technical advice in proposal development.

2. Proposal submittal (optional)

The utility submits the proposal to BPA for review and approval.

3. Project implementation

The utility works with its customer to complete the project.

4. Project close-out

The measurement and verification (M&V) are completed and the custom project completion report is prepared. The BPA customer service engineer may be available to provide technical advice during the project close-out.

5. Project completion

The utility submits the completion report to BPA for review and acceptance. Final reimbursement is based on the accepted completion report data.

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DOE/BP-4408 • April 2014

