

# FinAnswer<sup>®</sup> Express Wyoming

RETROFIT INCENTIVES



A change can do you good.



Let's turn the answers on.



Wyoming Financial Properties vice president, Lee Karavitis, showcasing the new lighting upgrades in his office building.

## Wyoming Financial Properties

*“Any time you get rid of old ballasts, old bulbs and cut down the number of them, you’re going to save money. Of course, the incentive was very helpful to the decision.”*

**Lee Karavitis**  
Vice president  
Wyoming Financial Properties

**By taking advantage of the FinAnswer Express program,** Wyoming Financial Properties received \$13,300 in incentives for lighting upgrades in four buildings in Casper. The upgrades included replacing T12 linear fluorescent lamps and magnetic ballasts with premium T8 lamps and electronic ballasts as well as other lighting upgrades. As a result, the company is saving \$10,500 in energy costs and 136,900 kilowatt-hours in electricity annually. Another benefit of the project, “my maintenance guys spend less time changing light bulbs,” Karavitis said.

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## Is it costing more to run your facility than it should?

If your lighting, HVAC and other equipment haven't been upgraded recently, the answer is probably “yes.” We have a brilliant solution for you. With our FinAnswer<sup>®</sup> Express for Wyoming business customers, we can help you upgrade to energy-efficient lighting, comfortable, energy-saving heating and cooling, and other cost-saving measures.

## Surprising as it may sound, we'd like to help you use less energy.

Using less will not only save you more money, it can enhance your employees' comfort, productivity and efficiency. Good news for your bottom line. And it's good for all of us and the environment. Participating in energy efficiency programs helps shrink our carbon footprint and is one of the lowest cost resources to meet future energy needs. Just how good does it get?

## FinAnswer Express includes incentives and technical expertise.

The incentives apply to lighting and other equipment upgrades that increase your electric energy efficiency and exceed code requirements – both retrofits of existing equipment and new construction/major renovation are eligible.\* The incentive amount is based on the equipment installed, so see the incentive tables for a complete list of equipment included in the program. Plus, we provide technical expertise to help you weigh your options. You can choose a Rocky Mountain Power Energy Efficiency Alliance vendor or an independent energy consultant for technical expertise.

\*Certain restrictions apply for new construction and major renovations since incentives are for upgrades that exceed energy code requirements. See our FinAnswer Express brochure for new construction and major renovations. Rocky Mountain Power's Energy FinAnswer<sup>®</sup> incentive program is available for more comprehensive projects. The Self-Direction Credit program is another option for customers using more than 5,000,000 kilowatt-hours per year or 1,000 kilowatts. Customers can receive one incentive or credit per project. Contact us or visit our website for details.

# How it works

## Lighting retrofits

- Step 1** Before you start your project, contact us or an Energy Efficiency Alliance vendor. We may need to verify existing equipment.
- Step 2** Sign a Rocky Mountain Power incentive agreement **before** you order equipment.
- Step 3** Upgrade your lighting.
- Step 4** Submit project cost documentation, including invoices with breakdown of materials and labor, and contact us or your Energy Efficiency Alliance vendor for a post-installation inspection.
- Step 5** Receive incentive check within 45 days of completion of Step 4.

## Non-lighting retrofits

- Step 1** Obtain an incentive application and catalog from us or your dealer.
- Step 2** Purchase and install a qualifying unit for use at an eligible location.
- Step 3** Submit your incentive application.
- Step 4** Receive incentive check within 45 days of completion of Step 3. *Pre-approval is recommended but not required for chiller incentive applications.*

### Here are some definitions

<b>Retrofit</b>	Changes, modifications or additions to systems or equipment in existing facility square footage.
<b>Major renovation</b>	Any change in facility use type or where the existing system will not meet owner/customer projected requirements within existing facility square footage.
<b>New construction</b>	A newly constructed facility or newly constructed square footage added to an existing facility.

## To get started

- Inquire online at [rockymountainpower.net/wattsmart](http://rockymountainpower.net/wattsmart).
- Call our energy services hotline toll free at **1-800-222-4335**.
- Email us at [energy.expert@pacificorp.com](mailto:energy.expert@pacificorp.com).

A list of Energy Efficiency Alliance vendors as well as incentive applications and catalogs are available on our website.

For a copy of the approved tariff, visit the Wyoming information at [rockymountainpower.net/regulation](http://rockymountainpower.net/regulation) and go to Schedule 115.



Pictured above left to right: Craig Nelson, Rocky Mountain Power customer and community manager; and Sam Hatch, Uinta County director of public works.

## Uinta County

*“We were able to go through the building and take four-lamp fixtures and delamp them to two lamps using T8s, which are brighter than T12s. It brightened the building up dramatically – people actually thought we put in more light fixtures.”*

**Jeff Breininger**  
Senior maintenance technician  
Uinta County

### Using the FinAnswer Express

**program**, Uinta County received nearly \$5,900 in incentives for their lighting upgrades in the library, cutting the simple payback of the project from five years to two and one-half years. The county also is now saving an estimated 62,600 kilowatt-hours of electricity and \$2,325 in energy costs annually at that facility.

County maintenance staff followed up with additional energy efficiency upgrades at the courthouse, Evanston airport and other facilities, completing a total of 15 projects. Uinta County has received more than \$37,000 in incentives and is saving an estimated 339,260 kilowatt-hours and \$20,700 in energy costs annually.

## Incentives for lighting retrofits

Measure	Category	Eligibility Requirements	Customer Incentive
<b>T8 Fluorescent</b>	Standard	4' Lamp ≤ 32 Watts, Electronic ballast with Ballast Factor ≤ 0.88 (See note 3)	\$3/lamp
	Premium	4' CEE Qualified Reduced Wattage or High Performance Lamp and CEE Qualified Ballast included on qualified ballast list	\$7/lamp
	Premium delamp	4' CEE Qualified Reduced Wattage or High Performance Lamp and CEE Qualified Ballast. Must remove one or more lamps and corresponding sockets within the same fixture.	\$21/lamp removed
	Relamp	Lamp wattage reduction ≥ 3 Watts, no ballast retrofit	\$0.25/lamp
	High bay	4' CEE Qualified High Performance Lamp. Must replace T12HO or HID in a high ceiling application.	\$20/lamp
<b>T5 Fluorescent</b>	Standard	4' Nominal Lamp ≤ 28 Watts, Ballast Factor ≤ 1.0	\$5/lamp
	Relamp	Lamp wattage reduction ≥ 3 Watts, no ballast retrofit	\$0.25/lamp
	High output	4' Nominal High Output Lamp	\$20/lamp
<b>Cold Cathode</b>	Screw-in lamp	All wattages	\$5/lamp
<b>Compact Fluorescent Lamp (CFL)</b>	Screw-in lamp (See note 4)	All wattages	\$2/lamp
	Hardwired fixture	All wattages	\$5/fixture
<b>Ceramic Metal Halide (CMH)</b>	CMH lamp	All wattages	\$35/lamp
<b>Pulse Start Metal Halide (PSMH)</b>	PSMH fixture	All wattages	\$60/fixture
	Electronic ballast	Must be used in place of or replace a magnetic ballast	\$20/ballast
<b>Induction</b>	Induction fixture	All wattages, new fixtures only	\$125/fixture
<b>Light-Emitting Diode (LED)</b>	Integral screw-in lamp	ENERGY STAR <sup>®</sup> qualified	\$10/lamp
	Recessed downlight	ENERGY STAR qualified	\$10/fixture
	Outdoor area and roadway	LED must be listed on qualified fixture list	\$100/fixture
	Parking garage	LED must be listed on qualified fixture list	\$100/fixture
	High and low bay	LED must be listed on qualified fixture list	\$100/fixture

(continued)



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## Notes for lighting retrofit incentives:

1. To be eligible for the incentives listed, the new lighting system must use less energy than the existing lighting system replaced.
2. Incentives are capped at 70 percent of energy efficiency project costs and subject to the one-year payback cap.
3. **The incentive for the Standard T8 Fluorescent will no longer be available effective July 14, 2012.**
4. The incentive for the screw-in CFL will no longer be available effective January 1, 2014.
5. Two-foot U-tube lamps may be substituted for four-foot linear fluorescent lamps.
6. Incentives for T8 Premium Delamps may not be combined with other linear fluorescent lamp or fixture incentives. Complete fixture removals are not eligible.
7. Incentives for T8 Relamps may not be combined with other linear fluorescent lamp or fixture incentives and will only be paid once per facility.
8. Qualified equipment lists referenced in the above table are posted on the Wyoming energy efficiency program section of our website.

BF = Ballast Factor

CEE = Consortium for Energy Efficiency

CFL = Compact Fluorescent Lamp

HID = High Intensity Discharge

HO = High Output

LED = Light-Emitting Diode



*Let's turn the answers on.*

## Incentives for lighting controls and non-general illuminance retrofits

Measure	Category	Eligibility Requirements	Customer Incentive
<b>Lighting Control</b>	Occupancy control	PIR, Dual Tech or Integral Sensor	\$75/sensor
	Daylighting control	Must control interior fixtures with qualifying dimming ballast(s)	\$75/sensor
	Advanced daylighting control	Must incorporate both an occupancy sensor and daylighting sensor operating as part of the same control sequence in the same space.	\$150
	Dimming ballast	Continuous, Stepped or Bi-level ballast or automated control that dims 50% or more of the fixture. Must be controlled by a qualifying occupancy or daylighting control.	\$15/ballast
<b>Non-General Illuminance</b>	Exit sign	LED or photoluminescent replacing existing incandescent or fluorescent	\$15/sign
	LED message center sign	LED replacing existing incandescent signage	\$5/lamp
	LED channel letter sign	LED replacing existing neon signage	\$5/linear foot
	LED marquee/cabinet sign	LED replacing existing fluorescent signage	\$5/linear foot

### Notes for retrofit lighting controls and non-general illuminance incentives:

1. To be eligible for the incentives listed, the new lighting system must use less energy than the existing lighting system replaced.
2. Incentives are capped at 70 percent of eligible energy efficiency project costs, and incentives will not be available to reduce the energy efficiency project simple payback below one year.
3. Incentives for advanced daylighting controls may not be combined with other lighting control incentives.

Dual Tech = Sensors combining ultrasonic and passive infrared

LED = Light-Emitting Diode

PIR = Passive Infra-Red



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## Incentives for motors

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement	Customer Incentive
<b>Electronically Commutated Motor</b>	≤1 horsepower	Refrigeration application	--	\$0.50/watt
		HVAC application	--	\$50/horsepower
<b>Variable-Frequency Drives</b> (HVAC fans and pumps)	≤100 horsepower	HVAC fans and pumps	See note 2	\$65/horsepower
<b>Green Motor Rewinds</b>	≥15 and ≤ 5,000 hp	--	Must meet GMPG Standards	\$1/horsepower (See note 3)

### Notes for other motor incentives:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
2. Throttling or bypass devices, such as inlet vanes, bypass dampers, three-way valves, or throttling valves must be removed or permanently disabled to qualify for HVAC fan or pump VFD incentives. This program uses the International Energy Conservation Code (IECC) as the baseline for new construction and major renovation energy efficiency projects. VFDs required by or used to comply with the applicable version of the IECC are not eligible for incentives. Savings will only be realized for installations where a variable load is present.
3. For Green Motor Rewinds, the participating electric motor service center is paid \$2/horsepower for eligible Green Motor Rewinds. A minimum of \$1/horsepower is paid by the service center to the customer as a credit on the motor rewind invoice. The balance is retained by the service center. Green Motor Rewind motors that are installed or placed in inventory may qualify for an incentive.
4. **Incentives are not available for National Electrical Manufacturers Association (NEMA) premium efficiency motors purchased on or after December 19, 2010.**

ECM = Electronically Commutated Motor  
 GMPG = Green Motors Practices Group  
 HVAC = Heating, Ventilating and Air Conditioning  
 IECC = International Energy Conservation Code  
 VFD = Variable Frequency Drive



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## Incentives for HVAC equipment

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement & Customer Incentive		
			\$50/ton	\$75/ton	\$100/ton
<b>Unitary Commercial Air Conditioners, Air-Cooled</b>	< 65,000 Btu/hr (single phase)	Split system and single package	15.0 SEER and 12.5 EER	--	--
	< 65,000 Btu/hr (three phase)	Split system and single package	--	14.0 SEER and 11.6 EER	15.0 SEER and 12.0 EER
	≥ 65,000 Btu/hr and < 135,000 Btu/hr	Split system and single package	--	11.5 EER and either 11.9 IPLV or 11.7 IEER	12.0 EER and either 12.4 IPLV or 12.2 IEER
	≥ 135,000 Btu/hr and < 240,000 Btu/hr	Split system and single package	--	11.5 EER and either 11.9 IPLV or 11.7 IEER	12.0 EER and either 12.4 IPLV or 12.2 IEER
	≥ 240,000 Btu/hr and < 760,000 Btu/hr	Split system and single package	--	10.5 EER and either 10.9 IPLV or 10.7 IEER	10.8 EER and either 12.0 IPLV or 11.0 IEER
	≥ 760,000 Btu/hr	Split system and single package	--	9.7 EER and either 11.0 IPLV or 9.9 IEER	10.2 EER and either 11.0 IPLV or 10.4 IEER
<b>Unitary Commercial Air Conditioners, Water and Evaporatively Cooled</b>	All sizes	Split system and single package	14.0 EER	--	--
<b>Package Terminal Air Conditioners and Heat Pumps (PTAC/ PTHP) (Heating &amp; Cooling Mode)</b>	≤ 8,000 Btu/hr	Single package	11.8 EER and 3.3 COP Heating	--	--
	> 8,000 Btu/hr and < 10,500 Btu/hr	Single package	11.4 EER and 3.2 COP Heating	--	--
	≥ 10,500 Btu/hr and ≤ 13,500 Btu/hr	Single package	10.7 EER and 3.1 COP Heating	--	--
	> 13,500 Btu/hr	Single package	10.0 EER and 3.0 COP Heating	--	--
<b>Heat Pumps, Air-Cooled (Cooling Mode)</b>	< 65,000 Btu/hr (single phase)	Split system and single package	15.0 SEER and 12.5 EER	--	--
	< 65,000 Btu/hr (three phase)	Split system and single package	--	14.0 SEER and 11.6 EER	15.0 SEER and 12.0 EER
	≥ 65,000 Btu/hr and < 135,000 Btu/hr	Split system and single package	--	11.5 EER and either 11.9 IPLV or 11.7 IEER	12.0 EER and either 12.4 IPLV or 12.2 IEER
	≥ 135,000 Btu/hr and < 240,000 Btu/hr	Split system and single package	--	11.5 EER and either 11.9 IPLV or 11.7 IEER	12.0 EER and either 12.4 IPLV or 12.2 IEER
	≥ 240,000 Btu/hr	Split system and single package	--	10.5 EER and either 10.9 IPLV or 10.7 IEER	10.8 EER and either 12.0 IPLV or 11.0 IEER

(continued)



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Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement & Customer Incentive		
			\$50/ton	\$75/ton	\$100/ton
<b>Heat Pumps, Air-Cooled</b> (Heating Mode) (See note 2)	< 65,000 Btu/hr (single phase)	Split system	8.5 HSPF	--	--
		Single package	8.0 HSPF	--	--
	< 65,000 Btu/hr (three phase)	Split system	--	8.5 HSPF	9.0 HSPF
		Single package	--	8.0 HSPF	8.5 HSPF
	≥ 65,000 Btu/hr and < 135,000 Btu/hr	47°F db/43°F wb outdoor air	--	3.4 COP	3.4 COP
		17°F db/15°F wb outdoor air	--	2.4 COP	2.4 COP
≥ 135,000 Btu/hr	47°F db/43°F wb outdoor air	--	3.2 COP	3.2 COP	
	17°F db/15°F wb outdoor air	--	2.1 COP	2.1 COP	
<b>Heat Pumps, Water-Source</b> (Cooling Mode)	< 135,000 Btu/hr	86°F Entering water	14.0 EER	--	--
<b>Heat Pumps, Water-Source</b> (Heating Mode) – (See note 2)	< 135,000 Btu/hr	68°F Entering water	4.6 COP	--	--
<b>Heat Pumps, Ground-Source or Groundwater-Source</b> (Heating & Cooling Mode) – (See note 2)	All sizes	77°F Entering water	ENERGY STAR <sup>®</sup> qualified	--	--
Equipment Type	Size Category	Sub-Category	Customer Incentive		
<b>Ground Source or Groundwater Source Heat Pump Loop</b>	All sizes	Open loop	\$25/ton		
		Closed loop			

## Notes for HVAC equipment incentives:

- Equipment that meets or exceeds the efficiency requirements listed for the size category in the above table may qualify for an incentive. Equipment must meet both listed efficiency requirements to qualify for incentives.
- Incentives for heat pumps are available per ton of cooling capacity ONLY. No incentives are paid per ton of heating capacity. Heat pumps must meet both the cooling mode and heating mode efficiency requirements to qualify for per ton cooling efficiency incentives.
- Equipment size categories are specified in terms of net cooling capacity at AHRI standard conditions as determined by AHRI Standard 210/240 for units < 65,000 Btu/hr, AHRI Standard 340/360 for units ≥ 65,000 Btu/hr, and AHRI Standard 310/380 for PTAC and PTHP units.
- Ground and water source heat pumps must meet or exceed listed efficiency requirements when rated in accordance with ISO-13256-1 to qualify for an incentive.

AHRI = Air-conditioning, Heating, and Refrigeration Institute

COP = Coefficient of Performance

EER = Energy Efficiency Ratio

HSPF = Heating Seasonal Performance Factor

HVAC = Heating, Ventilating and Air Conditioning

IEER = Integrated Energy Efficiency Ratio

IPLV = Integrated Part Load Value

PTAC = Package Terminal Air Conditioner

PTHP = Package Terminal Heat Pump

SEER = Seasonal Energy Efficiency Ratio



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## Incentives for other HVAC equipment and controls

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement	Customer Incentive
<b>Evaporative Cooling</b>	All sizes	Direct or indirect	Industry Standard Rating (ISR)	\$0.06/ISR CFM
<b>Indirect-Direct Evaporative Cooling (IDEC)</b>	All sizes	--	Applicable system components must exceed minimum efficiencies required by the applicable version of the International Energy Conservation Code (IECC 2003)	(See note 2)
<b>Chillers</b>	All except chillers intended for backup service only	Serving primarily occupant comfort cooling loads (no more than 20% for process cooling loads)	Must exceed minimum efficiencies required by the applicable version of the IECC (IECC 2003)	(See note 3)
<b>Room Air Conditioner</b>	Residential (used in a business)	--	ENERGY STAR <sup>®</sup> qualified	\$25
<b>365/366 day Programmable Thermostat</b>	All sizes in portable classrooms with mechanical cooling	Must be installed in portable classroom unoccupied during summer months	365/366 day thermostatic setback capability	\$150/thermostat
<b>Occupancy Based PTHP/PTAC control</b>	All sizes with no prior occupancy based control	--	See note 5	\$50/controller

### Notes for HVAC equipment and controls incentives:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
2. Incentives paid at \$0.12/kWh annual energy savings + \$50/kW average monthly demand savings. IDEC energy and demand savings subject to approval by Rocky Mountain Power.
3. Incentives paid at \$0.12/kWh annual energy savings + \$50/kW average monthly demand savings. Chiller energy and demand savings subject to approval by Rocky Mountain Power.
4. This program uses the IECC 2003 as the energy code baseline for new construction and major renovation energy efficiency projects.
5. Controller units must include an occupancy sensor and include the capability to setback the zone temperature during extended unoccupied periods and setup the temperature once the zone is occupied.

CFM = Cubic Feet per Minute  
 IDEC = Indirect-Direct Evaporative Cooling  
 IECC = International Energy Conservation Code  
 ISR = Industry Standard Rating  
 PTAC = Package Terminal Air Conditioner  
 PTHP = Package Terminal Heat Pump



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## Incentives for building envelope retrofits

Equipment Type	Category	Minimum Efficiency Requirement	Customer Incentive
<b>Cool Roof</b>	--	ENERGY STAR <sup>®</sup> qualified	\$0.10/square foot
<b>Roof/Attic Insulation</b>	--	Minimum increment of R-10 insulation	\$0.09/square foot
<b>Wall Insulation</b>	--	Minimum increment of R-10 insulation	\$0.07/square foot
<b>Windows</b> (See note 3)	Site-built	U-Factor $\leq$ 0.30 and SHGC $\leq$ 0.33 (Glazing Only Rating)	\$0.35/square foot
	Assembly	U-Factor $\leq$ 0.30 and SHGC $\leq$ 0.33 (Entire Window Assembly Rating)	\$0.35/square foot
<b>Window Film</b>	Existing windows	(See note 5)	(See note 5)

### Notes for building envelope retrofit incentives:

1. Equipment that meets or exceed the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
2. Building must be conditioned with mechanical cooling to be eligible for envelope incentives.
3. Energy performance of window assemblies and glazing products must be rated in accordance with NFRC. Site-built metal window systems must include a thermal break within the frame or other appropriate NFRC certification to qualify for incentives. Skylights are not eligible to receive the incentives in the above table.
4. Window square footage is determined by the dimensions of the entire window assembly, not just the window glass.
5. Incentives for window film are calculated based on film specifications and window orientation at \$0.12/kWh annual energy savings. Energy savings subject to approval by Rocky Mountain Power.

NFRC = National Fenestration Rating Council  
SHGC = Solar Heat Gain Coefficient



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## Incentives for food service equipment retrofits

Equipment Type	Equipment Category	Minimum Efficiency Requirement	Customer Incentive
<b>Residential Dishwasher</b>	Used in a business	CEE Tier 2	\$20
<b>Commercial Dishwasher</b> (Electric Water Heating Only) (See note 2)	Under counter	ENERGY STAR <sup>®</sup> qualified	\$500
	Stationary rack, single tank, door type		\$1,000
	Single tank conveyor		\$1,500
	Multiple tank conveyor		\$2,000
<b>Electric Insulated Holding Cabinet</b>	Full Size – Tier 1	ENERGY STAR qualified	\$300
	¾ Size – Tier 1		\$250
	½ Size – Tier 1		\$200
	Full Size – Tier 2	Watts/cubic foot ≤ 20 W (See note 3)	\$600
	¾ Size – Tier 2		\$500
	½ Size – Tier 2		\$400
<b>Electric Steam Cooker</b>	3-, 4-, 5- and 6-pan sizes – Tier 1	ENERGY STAR qualified	\$750
	3-, 4-, 5- and 6-pan sizes – Tier 2	Heavy Load Efficiency ≥ 65%, Idle Energy Rate ≤ .23 kW (See note 3)	\$840
<b>Electric Convection Oven</b>	--	> 70% cooking efficiency (See note 3)	\$350
<b>Electric Griddle</b>	Tier 1	ENERGY STAR Tier 1 qualified	\$250
	Tier 2	ENERGY STAR Tier 2 qualified	\$350
<b>Electric Combination Oven</b>	--	Heavy Load Efficiency ≥ 60%, Idle Energy Rate ≤ 3 kW (See note 3)	\$1,000
<b>Electric Commercial Fryer</b>	Tier 1	ENERGY STAR qualified	\$200
	Tier 2	Cooking Efficiency ≥ 86.6%, Idle Energy Rate ≤ 772 Watts (See note 3)	\$300
<b>Ice Machines (Air-Cooled Only)</b>	Tier 1: Harvest rate < 500 lbs/day	ENERGY STAR qualified	\$125
	Tier 1: Harvest rate ≥ 500 lbs/day		\$150
	Tier 2: Harvest rate < 500 lbs/day	CEE Tier 3	\$250
	Tier 2: Harvest rate ≥ 500 lbs/day		\$400
<b>Residential Refrigerator</b>	Used in a business	ENERGY STAR qualified	\$20

(continued)



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Equipment Type	Equipment Category	Minimum Efficiency Requirement	Customer Incentive
<b>Commercial Glass Door Refrigerator</b>	0 < V < 15	ENERGY STAR qualified	\$100
	15 ≤ V < 30		\$125
	30 ≤ V < 50		\$150
	50 ≤ V		\$175
	Chest configuration		\$75
<b>Commercial Glass Door Freezer</b>	0 < V < 15	ENERGY STAR qualified	\$300
	15 ≤ V < 30		\$325
	30 ≤ V < 50		\$375
	50 ≤ V		\$800
	Chest configuration		\$100
<b>Commercial Solid Door Refrigerator</b>	0 < V < 15	ENERGY STAR qualified	\$50
	15 ≤ V < 30		\$75
	30 ≤ V < 50		\$100
	50 ≤ V		\$125
	Chest configuration		\$75
<b>Commercial Solid Door Freezer</b>	0 < V < 15	ENERGY STAR qualified	\$150
	15 ≤ V < 30		\$175
	30 ≤ V < 50		\$200
	50 ≤ V		\$300
	Chest configuration		\$150
<b>High-Efficiency Refrigerated Beverage Vending Machine</b> (See note 4)	Class A	MDEC = 0.055 × V + 2.56	\$150
	Class B	MDEC = 0.073 × V + 3.16	
<b>LED Case Lighting</b> (Retrofit only)	--	LED replacing fluorescent lighting on refrigerated cases.	\$10/linear foot

#### Notes for food service equipment incentives:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
2. Commercial dishwashers must be supplied with electrically heated domestic hot water. Models with either electric or gas booster heaters are eligible for incentives.
3. To meet the Minimum Efficiency Requirement(s) listed, values must be based on testing in accordance with the applicable ASTM Standard Test Method.
4. Qualifying beverage vending machines must be purchased prior to August 31, 2012. Beverage vending machines purchased after August 31, 2012 will not be eligible for incentives.

ASTM = American Society for Testing and Materials  
MDEC = Maximum Daily Energy Consumption

CEE = Consortium for Energy Efficiency  
V = Volume



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## Incentives for office equipment

Equipment Type	Minimum Efficiency Requirements	Customer Incentive
<b>Network PC Power Management Software</b>	<ol style="list-style-type: none"><li>1. Installed software must automatically control the power settings of networked personal computers (PC) at the server level.</li><li>2. The software must manage power consumption for each individual PC.</li><li>3. The software must include the capability to report energy savings results.</li></ol>	\$7 per controlled PC (up to 100% of EEM costs)
<b>Smart Plug Strip</b>	<ol style="list-style-type: none"><li>1. Incentive applies to any plug strip that eliminates idle or stand-by power consumption of connected plug-load appliance through the use of an occupancy sensor, electric load sensor, or timer.</li><li>2. Applies only to electric plug-load applications (e.g. computer monitors, desk lamps, etc.)</li></ol>	\$15/qualifying unit

### Notes for office equipment incentives:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
2. Energy efficiency measure costs for network PC power management software are subject to Rocky Mountain Power approval.

EEM = Energy Efficiency Measure  
PC = Personal Computer



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## Incentives for appliances

Equipment Type	Equipment Category	Minimum Efficiency Requirement	Customer Incentive
<b>High-Efficiency Clothes Washer</b>	Residential (used in a business)	MEF 2.46+	\$50
	Commercial (must have electric water heating)	ENERGY STAR <sup>®</sup> qualified	\$150
		CEE Tier 3	\$200
<b>Electric Water Heater</b>	Residential (used in a business)	40-49 gallon tank $\geq$ 0.93 EF 50-65 gallon tank $\geq$ 0.91 EF $\geq$ 66 gallon tank $\geq$ 0.89 EF	\$75

### Notes for appliance incentives:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
2. Equipment must meet the efficiency rating standard that is in effect on the date of purchase.

CEE = Consortium for Energy Efficiency  
EF = Energy Factor



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## Incentives for agricultural irrigation retrofits

Irrigation Measure	Replace	With	Customer Incentive
<b>Cut and Pipe Press Repair of Leaking Wheel Lines, Hand Lines, and Portable Main Lines</b>	Worn and leaking pipe connections	Cut and pipe press or weld repair of leaking pipe connections	\$8/joint
<b>New Rotating Low-Pressure or Spray-Type Sprinklers or Low-Pressure Pivot Sprinkler Heads</b>	Worn rotating, impact, or spray-type sprinklers	New rotating type, spray heads, or low-pressure pivot sprinkler heads	\$3 each (up to 70% of EEM costs)
<b>New Center Pivot Base Boot Gasket</b>	Worn and leaking center pivot base boot gasket	New center pivot base boot gasket	\$80 each
<b>New Riser Caps, Drains and Gaskets for Wheel Lines, Hand Lines, Pivots or Portable Main Lines</b>	Worn and leaking drains and gaskets	New drains and gaskets. Also includes seals and riser caps (dome discs) for valve openers	\$1 each
<b>New Flow Controlling Type Nozzles</b>	Existing brass or worn flow-controlling type nozzles	New flow-controlling type nozzles	\$1.50 each
<b>New Sprinkler Nozzles</b>	Existing worn nozzle	New brass or plastic range nozzle	\$0.25 each
<b>New Gooseneck Elbow with Drop Tube or Boomback</b>	Worn or leaking gooseneck elbow with drop tube or boomback	New gooseneck elbow with drop tube or boomback	\$1/outlet
<b>New Hubs for Wheel Lines</b> (for Thunderbird type wheel lines)	Worn or leaking hub	New wheel-line hub	\$12 each
<b>New Sprinkler Pressure Regulators</b>	Worn or faulty regulator	New pressure regulator	\$2.75 each
<b>Rebuilt or New Brass-Impact Sprinklers</b>	Worn or leaking brass-impact sprinkler	New or rebuilt brass impact sprinkler	\$3 each (up to 70% of EEM costs)
<b>Rebuilt or New Wheel-Line Leveler</b>	Worn or faulty wheel-line leveler	New or rebuilt wheel-line leveler	\$0.75 each
<b>Rebuilt or New Wheel-Line Feed Hose</b>	Worn or leaking wheel-line feed hose	New or rebuilt wheel-line feed hose	\$15 each

### Notes for agricultural irrigation incentives:

1. Irrigation measures that meet the replacement requirements listed in the above table may qualify for an incentive.
2. All equipment listed in the table will be eligible for incentives only in replacement or retrofit projects.
3. For measures where the incentive is limited to 70% of energy efficiency measure costs, energy efficiency measure costs are subject to Rocky Mountain Power approval.

EEM = Energy Efficiency Measure



Let's turn the answers on.

## Incentives for dairy/farm equipment retrofits

Equipment Type	Equipment Category	Minimum Efficiency Requirement	Customer Incentive
<b>Automatic Milker Takeoffs</b> (Retrofit Only)	--	The equipment must be able to sense milk flow and remove milker when flow reaches a pre-set level. Incentive available for retrofit only	\$235 each
<b>Agricultural Engine Block Heater Timers</b>	--	Timer must be a UL-listed device and rated for a minimum of 15 amps continuous duty.	\$10 each
<b>Circulating Fans</b> (See note 2)	12-23" Diameter	Fans must achieve an efficiency level of 11 cfm/W	\$25/fan
	24-35" Diameter	Fans must achieve an efficiency level of 18 cfm/W	\$35/fan
	36-47" Diameter	Fans must achieve an efficiency level of 18 cfm/W	\$50/fan
	≥ 48" Diameter	Fans must achieve an efficiency level of 25 cfm/W	\$75/fan
<b>Heat Reclaimers</b>	--	Heat reclaimer must use waste heat from compressor to heat water. Customer must use electricity to heat water.	\$220/condenser kW
<b>High Efficiency Livestock Waterers</b>	--	Must have two inches or more of insulation surrounding the inside of the waterer and an electric heating element. Those with a heating element greater than 250 watts must have an adjustable thermostat. Non-electric heated waterers do not qualify.	\$165 each
<b>High Efficiency Ventilation Systems</b> (See note 2)	12-23" Diameter	Fans must achieve an efficiency level of 11 cfm/W	\$45/fan
	24-35" Diameter	Fans must achieve an efficiency level of 13 cfm/W	\$75/fan
	36-47" Diameter	Fans must achieve an efficiency level of 17 cfm/W	\$125/fan
	≥ 48" Diameter	Fans must achieve an efficiency level of 19.5 cfm/W	\$150/fan
<b>Milk Pre-Coolers</b>	--	The equipment must cool milk with well-water before it reaches the bulk cooling tank.	See note 3
<b>Programmable Ventilation Controller</b>	--	The equipment must control ventilation fans based on temperature or environmental settings.	\$20/fan controlled
<b>Variable Frequency Drives for Dairy Vacuum Pumps</b> (Retrofit Only)	--	The equipment must vary the motor speed in accordance with the air flow needs of the vacuum system. Incentive available for retrofit only for systems without an existing VFD.	\$165/hp

### Notes for dairy/farm equipment incentives:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an incentive.
2. Fan performance must be rated by an independent testing body in accordance with the appropriate ANSI/AMCA standards.
3. Incentives are paid at \$0.12/kWh annual energy savings + \$50/kW average monthly demand savings. Milk pre-cooler energy and demand savings subject to approval by Rocky Mountain Power.

AMCA = Air Movement & Control Association International, Inc.  
 ANSI = American National Standards Institute  
 CFM = Cubic Feet per Minute  
 VFD = Variable Frequency Drive  
 W = Watt



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## Incentives for compressed air (system size ≤ 75 horsepower)

Equipment Category	Replace	With	Customer Incentive
<b>Low-Pressure Drop Filters</b>	Standard coalescing filter	Rated low-pressure drop filter where: 1. Pressure loss at rated flow is ≤ 1 psi when new and ≤ 3 psi at element change 2. Particulate filtration is 100% at ≥ 3.0 microns, 99.98% at 0.1 to 3.0 microns, ≤ 5ppm liquid carryover 3. Filter is deep-bed "mist eliminator" style, with element life ≥ 5 years 4. Rated capacity of filter is ≤ 500 scfm	\$0.80/scfm
<b>Receiver Capacity Addition</b>	Limited or no receiver capacity (≤ 2 gallons per scfm of compressor capacity)	Total tank receiver capacity after addition must be > 2 gallons per scfm of compressor capacity	\$1.50/gallon above 2 gallons/scfm
<b>Refrigerated Cycling Dryers</b>	Non-cycling refrigerated dryer	Cycling refrigerated dryer	\$1.50/scfm
<b>VFD Controlled Compressor</b>	Compressor 75 hp or smaller	≤ 75 hp single operating VFD-controlled oil-injected screw compressor	\$0.15/kWh (see note 3)
<b>Zero Loss Condensate Drains</b>	Fixed timer drain	Zero loss condensate drain (See note 4)	\$90 each
<b>Outside Air Intake</b>	Compressor intake drawing air from compressor room	≤ 75 hp compressor where permanent ductwork between compressor air intake and outdoors	\$6/hp

### Notes for compressed air incentives:

1. Eligibility for the above energy efficiency incentives is limited to customers with compressed air system(s) containing compressors with a total system horsepower less than or equal to 75 hp in size. Compressor systems larger than 75 hp will not be eligible for the energy efficiency incentives listed above.
2. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for an energy efficiency incentive.
3. Incentives for VFD-controlled compressors are calculated based on compressor size and other system parameters at \$0.15/kWh annual energy savings. Energy savings is subject to approval by Rocky Mountain Power.
4. Zero loss condensate drains purchased as requirements for other compressed air energy efficiency measures are eligible for incentives.

HP = Horsepower

PPM = Parts per Million

PSI = Pounds per Square Inch

SCFM = Cubic Feet of air per Minute at standard conditions (14.5 psia, 68°F and 0% relative humidity)

VFD = Variable Frequency Drive



Let's turn the answers on.