

FinAnswer® Express Washington

NEW CONSTRUCTION – MAJOR RENOVATION



A change can do you good.

 **PACIFIC POWER**

Let's turn the answers on.



Pictured above: Troy and Brad Helms in front of their new store in Selah, Washington.

Helms True Value

“It’s a pretty simple process and in the long run you’re going to save energy and money.”

Brad Helms
Co-owner

Helms True Value Hardware

Helms True Value Hardware in Selah, Washington had outgrown the 10,000 square-foot location it had occupied since the family business was established in 1969. They decided to relocate and build to suit their needs. The business owners took advantage of Pacific Power incentives to install high-efficiency T5 high output fluorescent lighting. In addition to the interior lighting, they also upgraded to energy-efficient fixtures in the store parking lot and exterior canopy. Helms True Value received \$6,900 in FinAnswer Express incentives for its lighting project. In addition, the retailer is saving an estimated \$2,850 in energy costs each year.

FinAnswer[®] Express

Washington

Will it cost more to run your new facility than it should?

If the lighting, mechanical, motors and other equipment in your plans haven't been upgraded, the answer is probably "yes." We have a brilliant solution for you. With our FinAnswer[®] Express for Washington 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 new construction/major renovation and retrofits of existing equipment 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 Pacific Power Energy Efficiency Alliance vendor or an independent energy consultant for technical expertise.



Pictured above left to right: Tim McCarthy, Walla Walla support services director and Bill Clemens, Pacific Power regional community manager.

How it works

- Step 1** Purchase and install a qualifying unit for use at an eligible location.
- Step 2** Obtain an incentive application from your dealer or Pacific Power.
- 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.*

To get started

- Inquire online at pacificpower.net/wattsmart.
- Call our energy services hotline toll free at **1-800-222-4335**.
- Email us at energy.expert@pacificpower.net.

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

For a copy of the approved tariff, visit the Washington information at pacificpower.net/regulation and go to Schedule 115.

**Certain restrictions apply for new construction and major renovations since incentives are for upgrades that exceed energy code requirements. For information on FinAnswer Express for retrofits, see our FinAnswer Express Retrofit Incentives brochure. Pacific Power's Energy FinAnswer® incentive program is available for more comprehensive projects. Customers can receive one incentive per project. Contact us or visit our website for details.*

Here are some definitions

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

City of Walla Walla

“It’s been a great partnership. When building our new police station, we looked for ways to engage Pacific Power in the design process to make the building energy efficient.”

Nabiel Shawa
City Manager
City of Walla Walla

Officials and staff at the City of Walla Walla are always looking for ways to take control of energy use at city-owned facilities. Along with being fiscally sound, using energy wisely helps them set a good example for the entire community. City staff sat down with Pacific Power and its consultant when planning the new police station. They found that FinAnswer Express could help not only save energy and costs, but improve comfort and lighting quality as well. A high-efficiency chiller was installed along with energy-efficient lighting to save the city \$5,000 a year in energy costs. And, the incentive was enough to cover the estimated incremental costs of the high-efficiency upgrades.

Incentives for new construction/major renovation lighting

Measure	Category	Eligibility Requirements	Customer Incentive
Interior Lighting	Lighting and lighting control	<p>1. The total connected interior lighting power for new construction/major renovation projects must be 10% lower than the interior lighting power allowance calculated under the applicable version of the state energy code. For new construction/major renovation projects not included in the state energy code, the total connected lighting power must be 10% lower than common practice as determined by Pacific Power.</p> <p>2. Energy savings are subject to approval by Pacific Power.</p>	\$0.08/kwh annual energy savings
Exterior Lighting	Induction fixture	All wattages. New fixtures only.	\$125/fixture
	LED outdoor area and roadway	LED must be listed on qualified fixture list	\$100/fixture
	LED parking garage	LED must be listed on qualified fixture list	\$100/fixture
	Lighting control	Integral occupancy sensor which must control a linear fluorescent, induction or LED fixture. Sensor must be installed on a continuous duty light.	\$75/sensor



Let's turn the answers on.

Incentives for motors

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement	Customer Incentive
Variable Frequency Drives (HVAC fans and pumps)	≤ 100 horsepower	HVAC fans and pumps	See note 2	\$65/horsepower
Green Motor Rewinds	≥ 15 and ≤ 5,000 hp	--	Must meet GMPG standards	\$1/horsepower (See note 3)

Notes for motor incentives:

- Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
- 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. VFDs required by or used to comply with the applicable version of the energy code are not eligible for incentives. Savings will only be realized for installations where a variable load is present.
- Green motor rewind motors that are installed or placed in inventory may qualify for an incentive. 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.
- Incentives are not available for National Electrical Manufacturers Association (NEMA) premium efficiency motors purchased on or after December 19, 2010.**
- The following applies to Electronically Commutated Motors (ECMs) less than or equal to 1 horsepower installed in HVAC or refrigeration applications:
 - For new construction/major renovations – ECMs purchased on or after the effective date of the 2009 Washington State Energy Code will not be eligible for an incentive.
 - For retrofits, ECMs purchased on or after the effective date of these program changes will not be eligible for incentives.**

ECM = Electronically Commutated Motor
 GMPG = Green Motors Practices Group
 HVAC = Heating, Ventilation and Air Conditioning
 NEMA = National Electrical Manufacturer's Association
 VFD = Variable Frequency Drive



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Incentives for HVAC equipment

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement & Customer Incentive		
			\$25/ton	\$50/ton	\$75/ton
Unitary Commercial Air Conditioners, Air-Cooled (Cooling Mode)	< 65,000 Btu/hr (single phase)	Split system and single package	--		
	< 65,000 Btu/hr (three phase)	Split system and single package	--	CEE Tier 1	CEE Tier 2
	≥ 65,000 Btu/hr (three phase)	Split system and single package	--		
Unitary Commercial Air Conditioners, Water and Evaporatively Cooled	All equipment sizes	Split system and single package	--	CEE Tier 1	--
Packaged Terminal Air Conditioners (PTAC)	≤ 8,000 Btu/hr	Single package	12.2 EER	--	--
	> 8,000 Btu/hr and < 10,500 Btu/hr	Single package	11.9 EER	--	--
	≥ 10,500 Btu/hr and ≤ 13,500 Btu/hr	Single package	10.7 EER	--	--
	> 13,500 Btu/hr	Single package	9.9 EER	--	--
Packaged Terminal Heat Pumps (PTHP) (Heating & Cooling Mode)	≤ 8,000 Btu/hr	Single package	--	12.2 EER and 3.4 COP	--
	> 8,000 Btu/hr and < 10,500 Btu/hr	Single package	--	11.5 EER and 3.3 COP	--
	≥ 10,500 Btu/hr and ≤ 13,500 Btu/hr	Single package	--	10.7 EER and 3.1 COP	--
	> 13,500 Btu/hr	Single package	--	9.8 EER and 3.0 COP	--
Heat Pumps, Air-Cooled (Cooling Mode)	< 65,000 Btu/hr (single phase)	Split system and single package	--		CEE Tier 2
	< 65,000 Btu/hr (three phase)	Split system and single package	--	CEE Tier 1	CEE Tier 2
	≥ 65,000 Btu/hr (three phase)	Split system and single package	--		--
	< 65,000 Btu/hr (single phase)	Split system and single package	--		CEE Tier 2
Heat Pumps, Air-Cooled (Heating Mode) – See note 2	< 65,000 Btu/hr (three phase)	Split system and single package	--	CEE Tier 1	CEE Tier 2
	≥ 65,000 Btu/hr (three phase)	47°F db/43°F wb outdoor air 17°F db/15°F wb outdoor air	--		--

(continued)



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Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement & Customer Incentive		
			\$25/ton	\$50/ton	\$75/ton
Heat Pumps, Water-Source (Cooling Mode)	< 135,000 Btu/hr	86°F Entering Water	--	CEE Tier I	--
Heat Pumps, Water-Source (Heating Mode) – See note 2	< 135,000 Btu/hr	68°F Entering Water	--	CEE Tier I	--
Heat Pumps, Ground-Source or Groundwater-Source (Heating & Cooling Mode) – See note 2	All sizes	77°F Entering Water	--	ENERGY STAR [®] qualified	--
Ground-Source or Groundwater-Source Heat Pump Loop	All sizes	Open loop	\$25/ton	--	--
		Closed loop			

Notes for HVAC equipment incentives:

1. Equipment that meets or exceeds the efficiency requirements listed for the size category in the above table may qualify for the listed incentive. Equipment must meet all listed efficiency requirements to qualify for the listed incentives.
2. 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.
3. 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.
4. Ground- and water-source heat pumps must meet or exceed listed efficiency requirements when rated in accordance with ISO-13256-1 to qualify for the listed incentive.
5. Units rated only with an IPLV may qualify for the listed incentives if the value meets or exceeds the minimum IPLV established as part of the Consortium for Energy Efficiency Commercial Unitary Air Conditioning and Heat Pump Specification effective January 16, 2009.
6. Efficiency requirements align with the Consortium for Energy Efficiency (CEE) Unitary Air Conditioning and Heat Pump Specification for equipment with heating sections other than electric resistance. CEE minimum efficiency requirements are listed on the Washington energy efficiency program section at pacificpower.net/wattsmart.

AHRI = Air-Conditioning, Heating, and Refrigeration Institute
 COP = Coefficient of Performance
 HSPF = Heating Seasonal Performance Factor
 IEER = Integrated Energy Efficiency Ratio
 PTAC = Packaged Terminal Air Conditioner
 SEER = Seasonal Energy Efficiency Ratio

CEE = Consortium for Energy Efficiency
 EER = Energy Efficiency Ratio
 HVAC = Heating, Ventilation and Air-Conditioning
 IPLV = Integrated Part Load Value
 PTHP = Packaged Terminal Heat Pump



Let's turn the answers on.

Incentives for other HVAC equipment and controls

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement	Customer Incentive
Evaporative Cooling	All sizes	Direct or indirect	Industry Standard Rating (ISR)	\$0.06/ISR CFM
Indirect-Direct Evaporative Cooling (IDEC)	All sizes	--	Applicable system components must exceed minimum efficiencies required by energy code	See note 2
Chillers	All except chillers intended for backup service only	Serving primarily occupant comfort cooling loads (no more than 20% of process cooling loads)	Must exceed minimum efficiencies required by energy code	See note 3
Room Air Conditioner	Residential (used in a business)	--	See Home Energy Savings program	See note 5
365/366 Day Programmable Thermostat	All sizes in portable classrooms with mechanical cooling	Must be installed in portable classroom unoccupied during the summer months	365/366 day thermostatic setback capability	\$150/thermostat
Occupancy Based PTHP/PTAC control (retrofit only)	All sizes with no prior occupancy based control	--	See note 4	\$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 the listed incentive.
2. Incentives are paid at \$0.12/kwh annual energy savings + \$50/kW average monthly demand savings. IDEC energy and demand savings subject to approval by Pacific Power.
3. Incentives are paid at \$0.12/kwh annual energy savings + \$50/kW average monthly demand savings. Chiller energy and demand savings subject to approval by Pacific Power.
4. Controller units must include an occupancy sensor and include the capability to set back the zone temperature during extended unoccupied periods and set up the temperature once the zone is occupied.
5. Refer to Pacific Power's Home Energy Savings program for efficiency requirements and incentives for listed residential appliances used in a business.

CFM = Cubic Feet Per Minute
 ISR = Industry Standard Rating
 IDEC = Indirect-Direct Evaporative Cooling
 PTAC = Packaged Terminal Air Conditioner
 PTHP = Packaged Terminal Heat Pump



Let's turn the answers on.

Incentives for building envelope new construction/major renovation

Equipment Type	Category	Minimum Efficiency Requirement	Customer Incentive
Cool Roof	--	ENERGY STAR [®] qualified	\$0.10/square foot
Roof/Attic Insulation	--	Minimum increment of R-5 insulation above code (See note 5)	\$0.04/square foot
Wall Insulation	--	Minimum increment of R-3.7 continuous insulation above code (See note 5)	\$0.05/square foot
Windows (See notes 3, 4)	Site-built	U-factor \leq 0.30 and SHGC \leq 0.33 (glazing only rating)	\$0.34/square foot
	Assembly	U-factor \leq 0.30 and SHGC \leq 0.33 (entire window assembly rating)	\$0.34/square foot

Notes for building envelope incentives for new construction/major renovation projects:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
2. Building must be conditioned with mechanical cooling to be eligible for envelope incentives.
3. Window square footage is determined by the dimensions of the entire window assembly, not just the window glass.
4. 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 incentives.
5. Compliance with the minimum efficiency requirements of the roof/attic insulation and wall insulation measures may be demonstrated with equivalent U-factors and is subject to Pacific Power approval.

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



Let's turn the answers on.

Incentives for food service equipment

Equipment Type	Equipment Category	Minimum Efficiency Requirement	Customer Incentive
Residential Dishwasher	Used in a business	See Home Energy Savings program	See note 2
Commercial Dishwasher (Electric Water Heating Only) (See note 3)	Under counter	ENERGY STAR [®] qualified	\$500
	Stationary rack, single tank, door type		\$1,000
	Single tank conveyor		\$1,500
	Multiple tank conveyor		\$2,000
Electric Insulated Holding Cabinet	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 4)	\$600
	¾ Size – Tier 2		\$500
	½ Size – Tier 2		\$400
Electric Steam Cooker	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 ≤ 0.23 kW (See note 4)	\$840
Electric Convection Oven	--	≥ 70% cooking efficiency (See note 4)	\$350
Electric Griddle	Tier 1	ENERGY STAR Tier 1 qualified	\$250
	Tier 2	ENERGY STAR Tier 2 qualified	\$350
Electric Combination Oven	--	Heavy Load Efficiency ≥ 70%, Idle Energy Rate ≤ 3.5 kW (See note 4)	\$1,000
Electric Commercial Fryer	Tier 1	ENERGY STAR qualified	\$200
	Tier 2	Cooking Efficiency ≥ 86.6%, Idle Energy Rate ≤ 772 Watts (See note 4)	\$300
Ice Machines (Air-Cooled Only)	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 qualified	\$250
	Tier 2: Harvest rate ≥ 500 lbs/day		\$400
Residential Refrigerator	Used in a business	See Home Energy Savings program	See note 2

(continued)



Let's turn the answers on.

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Equipment Type	Equipment Category	Minimum Efficiency Requirement	Customer Incentive
Commercial Glass Door Refrigerator	0 < V < 15	ENERGY STAR qualified	\$100
	15 ≤ V < 30		\$125
	30 ≤ V < 50		\$150
	50 ≤ V		\$175
	Chest configuration		\$75
Commercial Glass Door Freezer	0 < V < 15	ENERGY STAR qualified	\$300
	15 ≤ V < 30		\$325
	30 ≤ V < 50		\$375
	50 ≤ V		\$800
	Chest configuration		\$100
Commercial Solid Door Refrigerator	0 < V < 15	ENERGY STAR qualified	\$50
	15 ≤ V < 30		\$75
	30 ≤ V < 50		\$100
	50 ≤ V		\$125
	Chest configuration		\$75
Commercial Solid Door Freezer	0 < V < 15	ENERGY STAR qualified	\$150
	15 ≤ V < 30		\$175
	30 ≤ V < 50		\$200
	50 ≤ V		\$300
	Chest configuration		\$150
High-Efficiency Refrigerated Beverage Vending Machine (See note 5)	Class A	MDEC = 0.055 × V + 2.56	\$150
	Class B	MDEC = 0.073 × V + 3.16	
LED Case Lighting (Retrofit only)	--	LED replacing fluorescent lamp in refrigerated cases	\$10/linear foot
Refrigerated Case Occupancy Sensor (Retrofit only)	--	Installed in existing refrigerated case with LED lighting	\$1/linear foot

(continued)



Let's turn the answers on.

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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 the listed incentive.
2. Refer to Pacific Power's Home Energy Savings program for efficiency requirements and incentives for listed residential appliances used in a business.
3. Commercial dishwashers must be supplied with electrically heated domestic hot water. Models with either electric or gas booster heaters are eligible for incentives.
4. To meet the Minimum Efficiency Requirement(s) listed, values must be based on testing in accordance with the applicable ASTM Standard Test Method.
5. **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

AHAM = Association of Home Appliance Manufacturers

CEE = Consortium for Energy Efficiency

MDEC = Maximum Daily Energy Consumption

V = Association of Home Appliance Manufacturers (AHAM) Volume in cubic feet



Let's turn the answers on.

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Incentives for appliances

Equipment Type	Equipment Category	Minimum Efficiency Requirement	Customer Incentive
High-Efficiency Clothes Washer	Residential (used in a business)	See Home Energy Savings program	
	Commercial (must have electric water heating)	ENERGY STAR [®] qualified	\$150
CEE Tier 3 qualified		\$200	
Electric Water Heater	Residential (used in a business)	See Home Energy Savings program	

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 the listed incentive.
2. Equipment must meet the efficiency rating standard that is in effect on the date of purchase.
3. Refer to Pacific Power's Home Energy Savings program for efficiency requirements and incentives for listed residential appliances used in a business.

CEE = Consortium for Energy Efficiency



Let's turn the answers on.

Incentives for dairy/farm equipment

Equipment Type	Equipment Category	Minimum Efficiency Requirement	Customer Incentive
Automatic Milker Takeoffs (Retrofit only)	--	Equipment must be able to sense milk flow and remove milker when flow reaches a pre-set level. The vacuum pump serving the affected milking units must be equipped with a VFD to slow the vacuum pump's speed when demand for vacuum is reduced. Incentive available for retrofit only. Replacement of existing automatic milker takeoffs are not eligible for incentives, except where Pacific Power permits as a custom energy efficiency incentive.	\$235 each
Agricultural Engine Block Heater Timers	--	Timer must be a UL-listed device and rated for a minimum of 15 amps continuous duty.	\$10 each
Circulating Fans (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
Heat Reclaimers	--	Heat reclaimer must use waste heat from refrigeration compressor to heat water. Customer must use electricity to heat water.	\$220/condenser kW
High Efficiency Ventilation Systems (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
Milk Pre-Coolers	--	The equipment must cool milk with well-water before it reaches the bulk cooling tank.	See note 3
Programmable Ventilation Controllers	--	The equipment must control ventilation fans based on temperature or environmental settings.	\$20/fan controlled
Variable Frequency Drives for Dairy Vacuum Pumps (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 the listed 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/kV average monthly demand savings. Milk pre-cooler energy and demand savings subject to approval by Pacific Power.
4. Except where noted, all equipment listed in the table will be eligible for incentives in both new construction and retrofit projects.

AMCA = Air Movement & Control Association International, Inc.
ANSI = American National Standards Institute
VFD = Variable Frequency Drive



Let's turn the answers on.

Incentives for compressed air

Equipment Category	Replace	With	Limitations	Customer Incentive
Low-Pressure Drop Filters	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 and 99.98% at 0.1 to 3.0 microns, with ≤ 5 ppm liquid carryover 3. Filter is deep-bed "mist eliminator" style, with element life ≥ 5 years 4. Rated capacity of filter is ≤ 500 scfm	1. Compressor system must be ≥ 25 hp and ≤ 75 hp	\$0.80/scfm
Receiver Capacity Addition	Limited or no receiver capacity (≤ 2 gallons per scfm of trim compressor capacity)	Total tank receiver capacity after addition must be > 2 gallons per scfm of trim compressor capacity	1. Compressor system size ≤ 75 hp 2. Trim compressor must use load/unload controls without inlet modulation or on/off control 3. Systems with a VFD or using variable displacement control are not eligible	\$1.50/gallon above 2 gallons/scfm
Refrigerated Cycling Dryers	Non-cycling refrigerated dryer	Cycling refrigerated dryer	1. Compressor system size ≤ 75 hp 2. Rated dryer capacity must be ≤ 500 scfm 3. Dryer must operate exclusively in cycling mode and cannot be equipped with the ability to select between cycling and non-cycling mode 4. Refrigeration compressor must cycle off during periods of reduced demand	\$1.50/scfm
VFD Controlled Compressor	Compressor 75 hp or smaller	≤ 75 hp single operating VFD-controlled oil-injected screw compressor	1. Single operating compressor ≤ 75 hp 2. Compressor must adjust speed as primary means of capacity control 3. Compressor must not use inlet modulation when demand is below minimum speed threshold of the VFD compressor	\$0.15/kwh annual energy savings (see note 3)
Zero Loss Condensate Drains	Fixed timer drain	Zero loss condensate drain (See note 4)	Drain is designed to function without release of compressed air into the atmosphere (no maximum compressor system size)	\$90 each
Outside Air Intake	Compressor intake drawing air from compressor room	≤ 75 hp compressor where permanent ductwork between compressor air intake and outdoors	1. Compressor system size ≤ 75 hp 2. Ductwork must meet manufacturer's specifications, which may include: (a) ≤ 0.25 " W.C. pressure loss at rated flow, and (b) allow use of compressor room air during extremely cold conditions	\$6/hp

(continued)



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Notes for compressed air incentives:

1. Eligibility for the above energy efficiency incentives, except zero loss condensate drains, 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.
2. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed 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 subject to approval by Pacific 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.

Incentives for other equipment

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

Notes for other equipment incentives:

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

PC = Personal Computer



Let's turn the answers on.