

INDUSTRIAL EQUIPMENT INCENTIVES FOR OREGON BUSINESS CUSTOMERS

SAVE MONEY AND ENERGY NOW AND FOR YEARS TO COME



SOLAR INCENTIVES

Energy Trust offers incentives for solar electric systems that produce electricity for use in your facility. Industrial facility owners or managers must work with an approved Energy Trust solar trade ally contractor to qualify for incentives.

Learn more at www.energytrust.org/solarforbusiness.

To request a preliminary, no-obligation solar assessment, visit www.energytrust.org/solarbid.



Get more from your energy.

To learn more visit www.energytrust.org/industry, email production@energytrust.org, or call **1.866.202.0576**.

Energy Trust provides technical assistance and financial incentives for energy systems or equipment that meet its program criteria, but does not install energy systems or equipment or guarantee any specific energy savings through its assistance or programs. Installation work is done by independent businesses that are solely responsible for the quality and performance of their installations.

EFFECTIVE JANUARY 2024—INCENTIVES ARE SUBJECT TO AVAILABILITY AND MAY CHANGE.

Energy Trust of Oregon offers cash incentives when you purchase energy-efficient equipment that can help lower energy use and reduce operating costs at your industrial facility.



Contact Energy Trust today to get started.

Call **1.866.202.0576**, email production@energytrust.org or visit www.energytrust.org/industry.



INDUSTRIAL ENERGY-EFFICIENT EQUIPMENT STANDARD INCENTIVES

Every piece of equipment in an industrial facility can be an opportunity to save energy and money. Energy Trust can provide cash incentives to help you reduce energy costs and increase efficiency at your facility.

Are You Eligible?

Energy Trust industrial incentives are available for qualifying energy-efficient upgrades and retrofits to industrial facilities. To qualify you must typically:

- Have an eligible industrial, municipal or agricultural project site, located in Oregon and served by a participating utility.
- Incentives for electric equipment are available to Portland General Electric or Pacific Power sites.
- Incentives for natural gas equipment are available to NW Natural, Cascade Natural Gas and Avista sites.

Additional eligibility requirements may apply, depending on your project. Incentives are subject to funding availability and may change.

Visit www.energytrust.org/industry for the latest incentive information.

Easy Steps to Savings

1. Contact a program representative or your vendor to learn about incentives and projects available for your facility.
2. Once the upgrade is installed, work with your program representative or vendor to submit your incentive application.
3. Receive your incentive check in 4 to 6 weeks.

With You All the Way

Energy Trust will work with you to see your upgrade through. We can help you select an energy-efficient solution for your business by connecting you with vendors and Energy Trust trade ally contractors who are familiar with the latest Energy Trust program requirements and what equipment qualifies for incentives. Your vendor or contractor can even help you with your Energy Trust incentive application.

CASH INCENTIVES

COMPRESSED AIR

Energy Trust calculates the incentive for compressed air based on operating hours and usage. Talk with your Energy Trust program representative or vendor for more information.

Incentives may be available for the following:

- Additional receiver capacity
- Air compressor upgrade
- Air compressor cooling fan variable frequency drive (VFD)
- Compressed air leak reduction
- Cycling refrigerated dryers
- Low pressure-drop filters
- Zero-loss condensate drain

BATTERY CHARGERS

For complete details on efficiency requirements and eligibility for battery chargers incentives, see www.energytrust.org/420BC.

EQUIPMENT	INCENTIVE	PRODUCT SPECIFICATIONS
Industrial battery charger	\$3,000 per battery charger	<ul style="list-style-type: none"> - Must replace an existing SCR or ferroresonant battery charger. - Must have a rating of 24 to 48 V. - Must charge forklift or pallet jack batteries. - Must be high-frequency with a conversion efficiency of at least 89%. - Must replace existing working equipment. - Up to a quantity of 50.

NATURAL GAS HEATING

For complete details on efficiency requirements and eligibility for natural gas incentives, see www.energytrust.org/420G. For incentives not listed on Form 420G, contact your vendor or Energy Trust representative for additional details.

EQUIPMENT	INCENTIVE	PRODUCT SPECIFICATIONS
Radiant heater, non-modulating	\$1.25 per kBtu/hr in	New install or must replace non-radiant heating system. Indoor use only. Up to 20,000 sf.
Radiant heater, modulating	\$2.25 per kBtu/hr in	
HVAC boiler	\$6.50 per kBtu/hr in	Minimum 94% thermal efficiency.
High-efficiency process hot water boiler	Varies	Incentive is based on operating hours and usage.* Preapproval is required.

STEAM TRAPS

For complete details on efficiency requirements and eligibility for natural gas steam trap incentives, see www.energytrust.org/420ST.

EQUIPMENT	INCENTIVE	PRODUCT SPECIFICATIONS
Low pressure steam trap (<15 psig)	\$500-\$600 per steam trap depending on the orifice size	<ul style="list-style-type: none"> - Steam trap orifice size ≤ 1.5 inches. - Must replace or rebuild existing steam trap. - Steam trap must be installed at an industrial facility using a natural gas-fired steam boiler. - The steam system must operate year round.
Med pressure steam trap (15-200 psig)	\$500-\$550 per steam trap depending on the orifice size	<ul style="list-style-type: none"> - Steam trap orifice size ≤ 1 inch. - Must replace or rebuild existing steam trap. - Steam trap must be installed at an industrial facility using a natural gas-fired steam boiler. - The steam system must operate year round.

INSULATION

For complete details on efficiency requirements and eligibility for insulation incentives, see www.energytrust.org/420IN.

Proper insulation of pipes is an essential part to saving energy, lowering heating costs, improving safety and reducing noise. Industrial facilities can improve energy use and lower costs with Energy Trust's direct install pipe insulation offer for heated pipes.

BUILDING AND PIPE INSULATION	INCENTIVE	PRODUCT SPECIFICATIONS
Attic insulation*	\$0.90 per square foot	New insulation must be $\geq R25$.
Roof insulation*	\$1.00 to \$2.85 per square foot	If no existing insulation, new insulation must be $\geq R15$. If existing insulation $\leq R5$; new insulation must be $\geq R30$.
Wall insulation*	\$1.30 per square foot	New insulation must be $\geq R20$.
Pipe insulation, process hot water, low pressure steam**	\$25 per lineal foot	If pipe diameter is ≤ 1.5 ", the minimum thickness is 1.5"; if pipe diameter is >1.5 ", the minimum thickness is 2.0".
Pipe insulation, med-pressure steam**	\$25 per lineal foot	If pipe diameter is ≤ 1.5 ", the minimum thickness is 2.0"; if pipe diameter is >1.5 ", the minimum thickness is 2.5".

*Damaged or missing insulation must be prequalified and documented by the installation contractor.

**No existing insulation. Pipes must be heated year-round

VARIABLE FREQUENCY DRIVES

A variable frequency drive (VFD) is an electronic motor control which adjusts motor speed to match variable system requirements.

For complete details on efficiency requirements and eligibility for VFD incentives, see www.energytrust.org/420NF or www.energytrust.org/420NP.

EQUIPMENT	INCENTIVE
Industrial Pump VFD, New	\$200-\$1,100 per installed VFD hp, up to 20hp
Industrial Fan VFD, New or Retrofit	\$200-\$4,500 per installed VFD hp, up to 22.5hp

If your needs do not fit into the rebate criteria listed above, we have other avenues to support your project. For cooling tower fan VFD, dairy vacuum pump VFD, or general-purpose industrial fan/pump VFDs >22.5 hp, Energy Trust calculates the incentive for VFDs based on operating hours and usage. Incentives are calculated at \$0.45 per kWh saved, up to 90% of eligible project cost. Talk to your program representative or your vendor for more information.

WELDERS

For complete details on efficiency requirements and eligibility for welding incentives, see www.energytrust.org/420PW.

EQUIPMENT	INCENTIVE	PRODUCT SPECIFICATIONS
Inverter welder	\$2,400 per welder	<ul style="list-style-type: none">- Must replace existing working transformer welder.- Must operate at least 2,000 hours/year.- Must be rated at least 210 amps and at least 40% duty cycle.- Up to a quantity of 25.

REFRIGERATION

For complete details on efficiency requirements and eligibility for refrigeration incentives, see www.energytrust.org/industry-refrigeration.

Energy Trust calculates the incentive for refrigeration based on operating hours and usage. You will receive an incentive estimate amount prior to purchase. Talk with your Energy Trust program representative or vendor for more information.

HIGH-SPEED DOORS

High-speed doors can reduce unnecessary temperature spikes in refrigerated spaces, protecting your cold products and helping to cut down on energy costs. These doors can help maintain cool temperatures in your refrigerated spaces, eliminate gaps where frost can build up and increase plant safety. Energy Trust offers cash incentives for upgrading to energy-efficient high-speed doors.

REFRIGERATION CONTROLLERS

Refrigeration controllers eliminate inefficient defrost heater time clocks and increase the effectiveness of evaporator fans, allowing your system to run more efficiently. Installing refrigeration controllers can help decrease defrost heater use, resulting in increased cooling capacity and energy savings.

MUNICIPAL WATER LEAK REPAIR

Locating and repairing leaks in underground water distribution systems can save water and energy, reduce long-term operating costs, improve operations and help avoid expensive, catastrophic line breaks.

Energy Trust offers cash incentives for both leak detection assessments and repairs.

Energy Trust will cover up to \$1,000 of the leak assessment study and may offer additional calculated incentives for leak repairs based on the assessment. For more information, visit www.energytrust.org/leakrepair.

More Ways to Save

CUSTOM INCENTIVES

In addition to standard incentives, Energy Trust also offers custom incentives and energy analysis for many cost-effective energy efficiency improvements.

We can provide:

- **Scoping studies:** Energy Trust can conduct a technology-specific or facility-wide scoping study to help you identify energy and cost saving opportunities.
- **Technical energy studies:** Once a custom project has been identified, Energy Trust can conduct a technical study to identify the most cost-effective and energy-saving solution. These studies are valued at up to \$20,000; Energy Trust can conduct these studies at no cost to your company.
- **Installation guidance:** Energy Trust can also support your project throughout installation with technical assistance, development of project specifications and evaluation of contractor bids.
- **Cash incentives:** Energy Trust offers cash incentives of \$0.45/annual kWh, up to 90% of eligible project cost or \$5.00/therm saved, up to 80% of the eligible project costs. Incentives are calculated based on operating hours and usage.
- **Post-installation verification:** When the project is complete, Energy Trust verifies that implemented energy-saving improvements are consistent with technical study expectations and calculates the final incentive payment.

Strategic Energy Management (SEM) is another custom offering that helps facilities of all types evaluate their energy use and implement tools to start saving energy now and continue saving energy over time.

LIGHTING INCENTIVES

Upgrading to today's improved industrial light sources, fixtures and controls could significantly reduce your facility's lighting energy costs and disruption from lamp replacement. Improved lighting can also increase production, improve safety and security, lighten the load on your electrical system and boost employee productivity.

For more information, visit www.energytrust.org/industry-lighting.

