

SMART THERMOSTATS
 FROM THE \$200 TO \$100 RANGE, THERE'S A SMART THERMOSTAT FOR EVERY HOME.

FINANCIAL INCENTIVES ARE NOW AVAILABLE FOR ALL QUALIFIED SMART THERMOSTAT PURCHASES.

Irrigation Pump Testing

Are you getting the most out of your pump? The performance of your irrigation pump is critical to the success of your irrigation system. A regular pump test can help you identify and correct problems before they become major issues.

Bonneville

THE BIG BENEFITS OF SWITCHING
 TO BE OR TO WAIT IS LARGE

WHY WAIT?

Let's get comfortable!

PERFORMANCE TESTED COMFORT SYSTEMS

UPGRADE TO EFFICIENCY

EFFICIENT PUMP UPGRADES

It's a Good Place TO BE

A warm bath that saves energy — that's something we can all get behind.

How it Works

Share your expertise. Learn Together. Help. Building.

Her more of

It's a Good Place TO BE

Paying less for a hot shower — that makes me wanna rock out.

Let's get comfortable!

Comfort. Savings. Efficiency.

YOUR UTILITY

It's a Good Place TO BE

Fighting home energy waste — that's what heroes do.

Standard Electric Water Heaters

- Hot Water
- Hot to Last
- High Quality
- Save Up to 10% on Energy

Heat Pump Water Heaters

- Hot Water
- Hot to Last
- High Quality
- Save Up to 30% on Energy

MORE COMFORT
MORE MONEY

Now get an ENERGY STAR certified product. Heat Pump Water Heaters are more efficient than standard electric water heaters. Heat Pump Water Heaters can save up to 30% on energy costs.

SAVE THE POWER

SMART THERMOSTATS
 Comfort gets a high-tech makeover.

A HOME THAT HELPS YOU MAKE SMARTER ENERGY CHOICES NOW THAT'S COMFORT.

Her more of

BPA Energy Efficiency Marketing Capabilities

Promos, tools and the marketing portal



Meet the team

**Mike
Gross**



**Michele
Francisco**



**Rachael
Ettelman**



**Maggie
Bagan**



**Ming
Kust**



Collectively our skills include



Graphic design



Production Design



Technical, public relations and creative copywriting/editing



Presentations



Instructional and social media videos



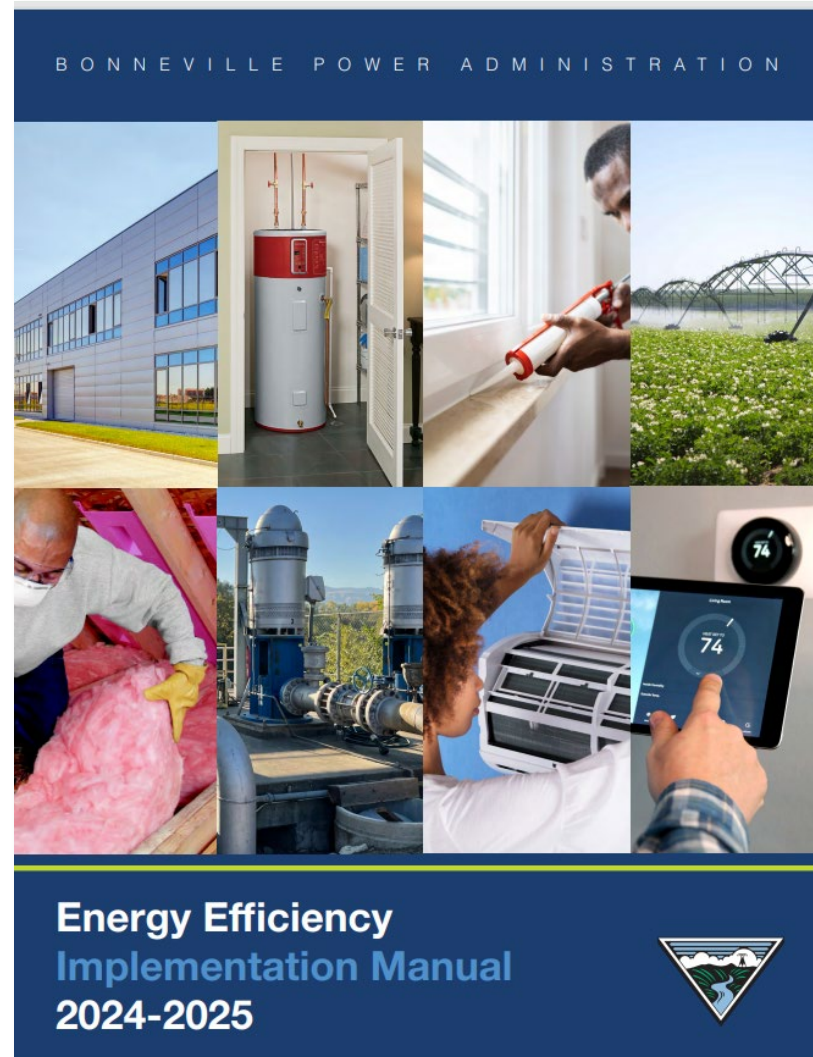
Web design



Marketing strategy and planning

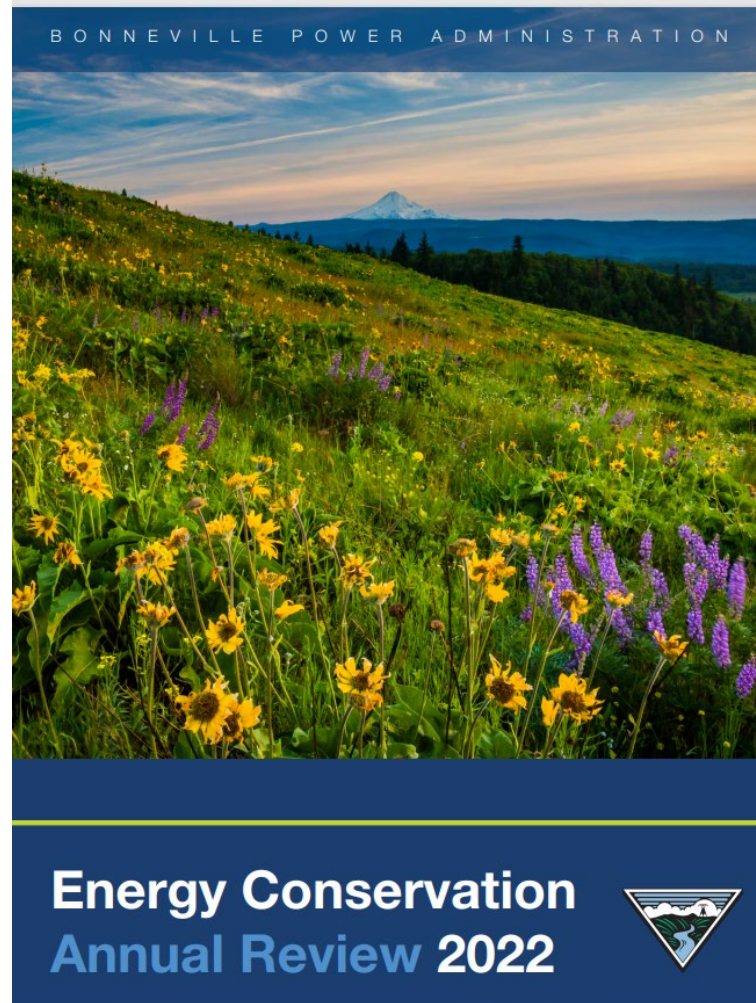
Major Projects

Implementation Manual



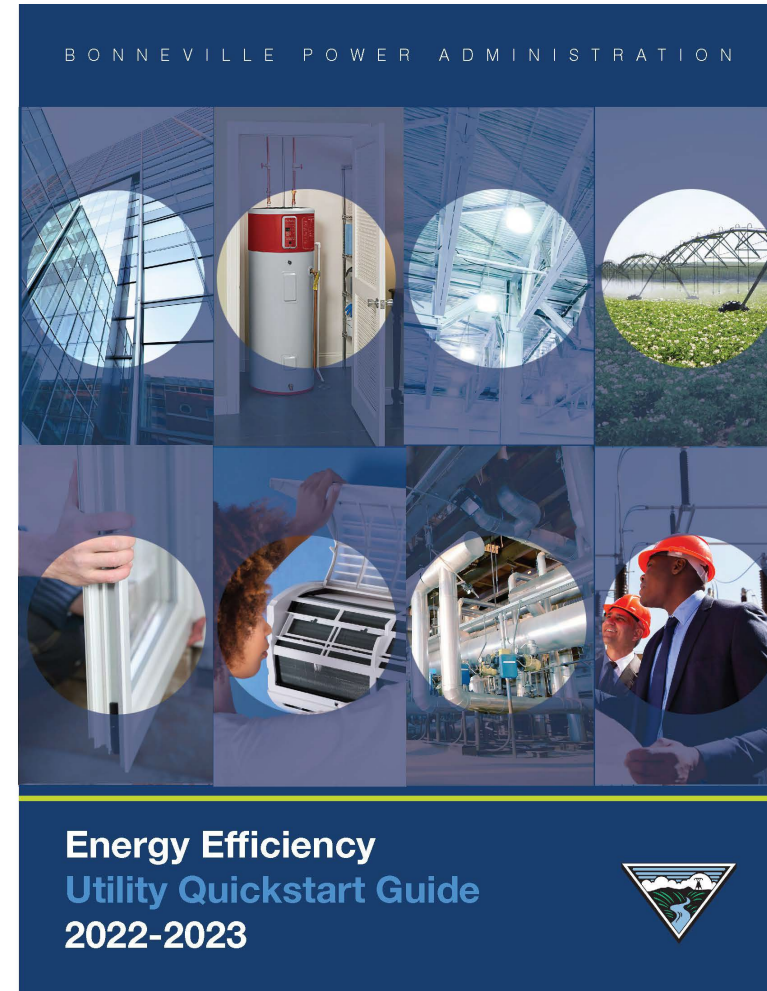
Major Projects

Energy Conservation Annual Review



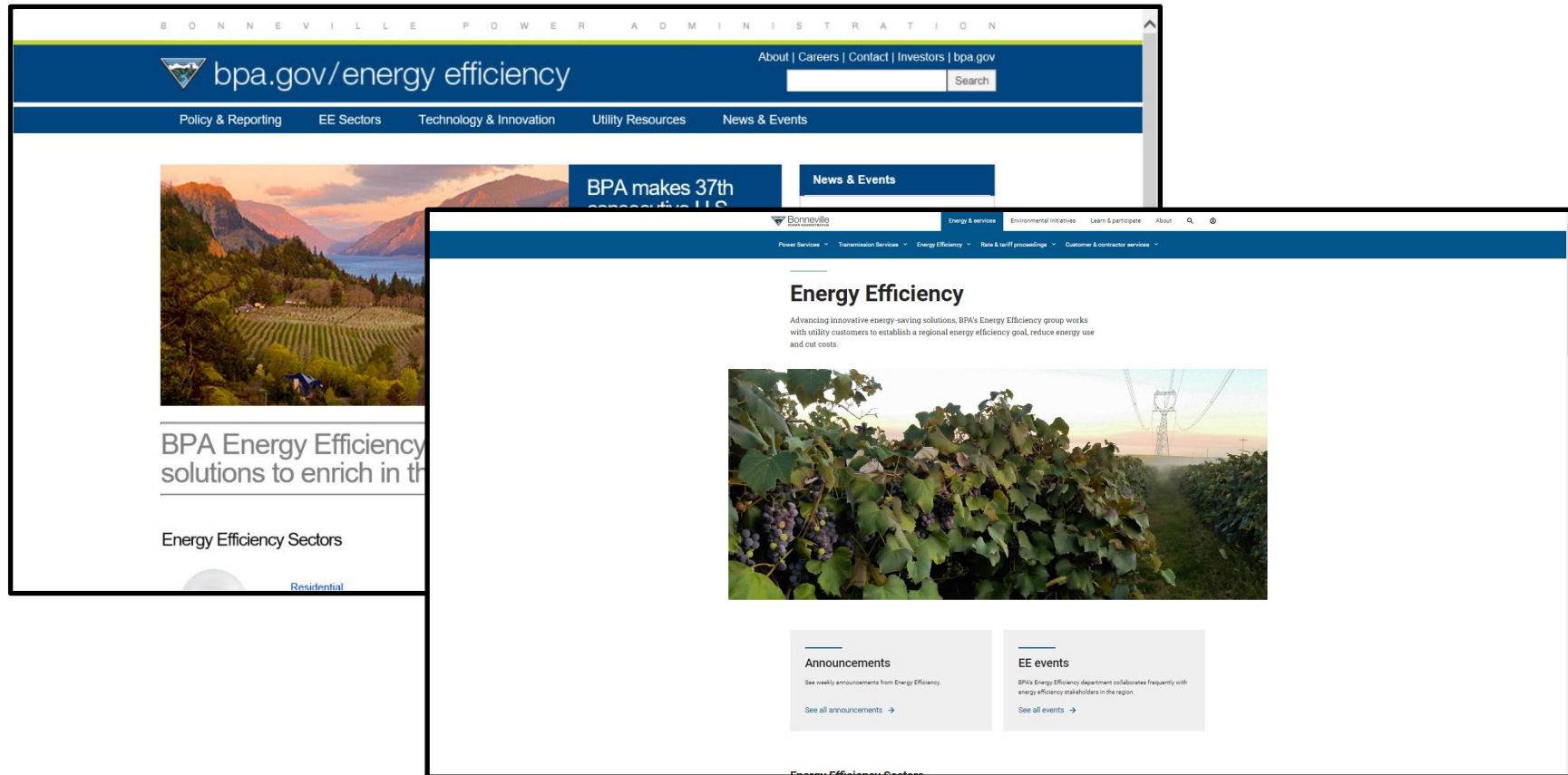
Major Projects

Utility Quickstart Guide



Major Projects

Bpa.gov website & tools



Major Projects

- Custom forms

NLI
NORTHERN LIGHTS, INC.
The power of local service

GROUND SOURCE HEAT PUMP DATA COLLECTION TOOL

Unless requested by the utility, submission of this form is not required.

All fields must be completed. Work must be performed by one or more technicians with an IGSHPA certification. Multiple technicians may be employed to meet these criteria present at the time of the installation.

- 1) Enter all data into the data collection tool below. If you have any questions, please email contact the customer's electric utility.
- 2) Submit the data collection tool and any additional required documents to the customer.

Site Information

Customer Name	Tech Name (optional)	IGSHPA Tech Name	NLI Account Number
Installation Site Address	Site City	Site State	Site Zip

Home Type: Existing Site Built New Construction Site Built Manufactured: # of Sections

Heated Area: _____ Sq Ft Foundation Type (Site Built): Crawlspace Full Basement

Existing Primary Heating System Being Replaced (If new home, indicate heating system installed):
 Electric Forced Air w/out AC Electric Forced Air w/ AC Electric Zonal Air Source Heat Pump
 Natural Gas Furnace (Gas Company: _____) Other Non-Electric Space Heating
 Back up Heat: None Electric Forced Air Electric Zonal Natural Gas Furnace Non-Electric

New Heat Pump Equipment Data *BPA requires GSPs to be Energy Star qualified. Visit [www.energystar.gov](#)

*Equipment is Energy Star (check box) Yes No AHRI# _____ Capacity (tons) _____
 Closed Loop Open Loop Pond Well

Heat Pump Make _____ With Desuperheater? Yes No
 Model # _____

For Closed Loop Systems: Total external loop length: _____ ft For Horizontal ground loop: Average in-ground loop depth: _____ ft For Vertical: _____ ft

For Open Loop Systems: Supply side depth (elevation difference between water source and heat pump): _____ ft
 Return water: Re-injected into ground. Re-injection depth (elevation difference between heat pump and discharged onto the surface. Specify surface: _____)

Auxiliary Heating System
 Auxiliary (strip) heat lockout does not engage at outdoor temperatures above 30 deg: Yes No

REQUIRED PAPERWORK CHECKLIST: DHP Project Information Form: AHRI Certificate:
 Invoice or purchase receipt showing: Manufacturer & model number: _____ Date: _____

Notes

Updated July 2023

NLI
NORTHERN LIGHTS, INC.
The power of local service

Please Return This Completed Form with other required paperwork To:
 Evergreen Consulting Group LLC.
 Mike.porter@evergreen-efficiency.com

Ducted Air-Source Heat Pump Data Collection Tool

This form can be used to document installation information for homes converting to a ducted air-source heat pump (ASHP) and a ducted variable-speed heat pump (VSHP), or homes upgrading to a ducted VSHP. All sections must be completed by the installer at the time of installation.

Documentation to submit with this form:

- Copy of this completed form
- Purchase receipt or invoice, including the heat pump make and model number
- AHRI Certificate
- If the unit has a variable-speed compressor, include manufacturer documentation that the outdoor compressor includes variable-speed or inverter driven technology (e.g. specification sheet, brochure, or screen shot). Note: Including the text "variable-speed" on the invoice will not satisfy this requirement. Additional documentation is required.)

Eligibility

- Available for existing single-family and existing manufactured homes
- Heat pumps must be AHRI rated and meet current federal minimum standards for HSPF2 and SEER2
- If the unit only has an HSPF and SEER value, please contact the utility for verification of eligibility
- For a conversion to an ASHP or VSHP, existing heating system type must be an electric forced air furnace, with or without air-conditioning.
- For an upgrade to a VSHP, existing heating system can be a DHP, ASHP, Zonal electric, Wood/Oil/Propane/Gas, or no existing heating

Site Information

Customer Name	Install site address	NLI Account Number
Install Date	Mailing Address	Site City
Site State	Site Zip	Heated Area _____ Sq Ft

Home Type: Single Family Existing Manufactured Existing
*New manufactured homes are treated as existing once located at their site for occupancy

Existing Heating System Being Replaced

<input type="checkbox"/> Electric Forced Air Furnace without AC	<input type="checkbox"/> Electric Forced Air Furnace with AC	<input type="checkbox"/> Electric Zonal
<input type="checkbox"/> Air Source Heat Pump	<input type="checkbox"/> Ductless Heat Pump	<input type="checkbox"/> Ground Source Heat Pump
<input type="checkbox"/> Non-Electric Space Heating (Wood/Oil/Propane/Gas)	<input type="checkbox"/> No Heating	

New Heat Pump Equipment Data *Check with utility for efficiency requirements beyond current federal minimum standards

AHRI Certificate #	SEER2*	HSPF2*
Heat Pump Manufacturer	Outdoor HP Model #	Indoor HP Model #

Outdoor HP Capacity (tons) (optional) _____
 Non-Variable Speed HP Compressor Variable Speed (or inverter-driven) HP Compressor

Controls
 HP Thermostat Make _____ HP Thermostat Model # _____

Auxiliary heat lockout does not engage at outdoor temperatures above 35°F or 5°F above balance point temperature?
 YES NO If no, what is the temperature setting? _____

REQUIRED PAPERWORK CHECKLIST: DHP Project Information Form: AHRI Certificate:
 Invoice or purchase receipt showing: Manufacturer & model number: _____ Date: _____ Cost: _____

Updated July 2023

Form
 ark To:
 LLC.
 efficiency.com

on Form

leted form and the purchase receipt or invoice

in BPA's Energy Efficiency

to proper refrigerant charging.

State	Zip
-------	-----

Eligible Existing Heating System Being Displaced (Select One)

Electric Forced Air Furnace
 Electric Zonal²

boiler/water heater attached to a hydronic floor heating

Installation Date: _____

Indoor Unit Model Number(s) _____

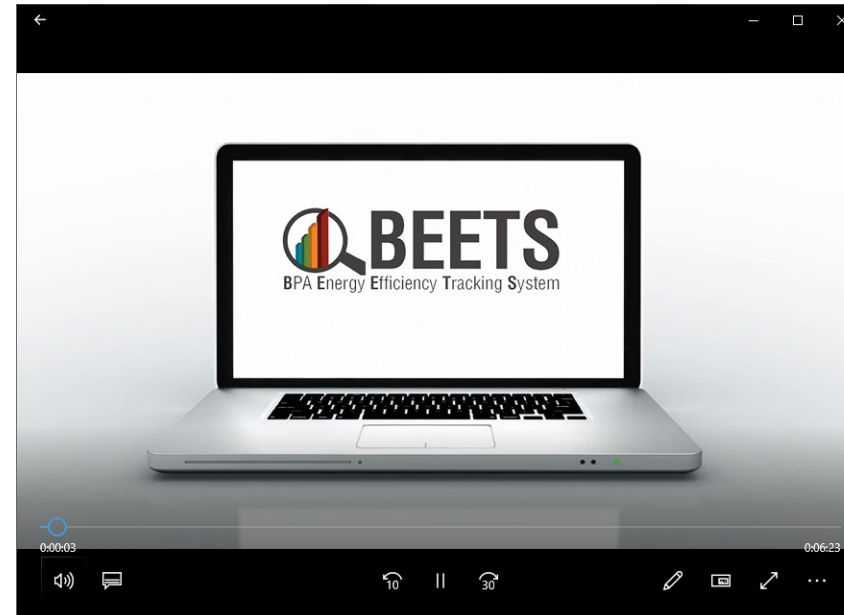
Income: \$ _____

HP: _____

REQUIRED PAPERWORK CHECKLIST: DHP Project Information Form: AHRI Certificate:
 Invoice or purchase receipt showing: Manufacturer & model number: _____ Date: _____ Cost: _____

Major Projects

Video Production



Major Projects

EFX conferences

efficiency exchange

Save the Date
May 14 - 15, 2024
Coeur d'Alene, Idaho

Marketing Materials

Commercial Energy Efficiency

Energy Project Manager (EPM) Measure

The Energy Project Manager Measure is supported by BPA's Commercial program and uses a structured process to help customers overcome staffing barriers by providing co-funding and additional assistance to facilities including schools, shopping centers, and campuses including hospitals and office complexes. The Energy Program Manager is an assigned facility employee or contractor who is responsible for the implementation of a portfolio of energy efficiency projects and the achievement of a savings goal that is based on reaching specific milestones during a set timeframe (single or multi-year plan).

What does the EPM do?
 LPMs will develop a comprehensive plan for a single or multiple sites. Unrolled sites are eligible to receive additional incentives for verified energy savings from projects managed by the EPM, in addition to standard project incentives. Successful plans should confirm availability of capital funds and resources required to implement identified projects. See the next page for a sample plan.

How is the level of funding determined?
 The funding is based on the amount of LL savings delivered by the LPM. Reimbursement is \$0.25 cents per kWh of savings and cannot exceed \$150,000 per 2-year period. Sites will get regular incentives as well.

What are the immediate and long term benefits?

1. Increase return on investment;
2. Better implementation results;
3. Provides deeper technical support by working with a BPA LL Customer Service Engineer (CSE);
4. EPM is committed to working with site staff to build broader organizational awareness of facility's energy systems and consumptions, capital project opportunities and emerging technologies;
5. Roadmap for long term success: The comprehensive site plan outlines LL projects, milestones, schedules and savings goals that promote structure and improvement outcomes.

What are the requirements?
 The measure is available to the commercial sector. Eligible sites for the EPM measure can be a single building or multiple contiguous buildings (e.g., a medical or educational campus). The plan must include at least 700,000 kWh of savings.

Year	Estimated Cost
23	\$100,000.00
23	\$80,000.00

MEASURES
 The measure is eligible for the PTS measure to help with the installation associated with the verified hardware and/or electric-energy that tracks key variables used to analyze energy-use profile. If energy is used leads to emissions that can result in the initial PTS installation may be required prior to starting a SEM performance period.

Cohort driven and Sole Delivery. Additional information may be required prior to starting a SEM performance period.

bpa.gov/energy-and-services/efficiency/commercial/commercial-energy-project-manager


Do it yourself Fall weatherization tips:

Tips to protect your home from the outside elements and cold weather.

As the cold weather months approach, these easy-to-implement weatherization tips can reduce your home's energy consumption and save you money.

- REPLACE FILTERS.** Install a new furnace filter to improve indoor air quality and help your HVAC system work more efficiently and use less energy. Use the change schedule recommended by the filter manufacturer. Have a ductless heat pump? Be sure to clean it regularly per the manufacturer.
- WRAP YOUR WATER HEATER.** Insulation blankets help keep the water in your tank warm and reduce energy lost during the water-heating process. Uninsulated water heater tanks or those valued at less than R-24 lose heat and are less efficient.
- INSTALL A DOOR SWEEP.** Add door sweeps to the bottom of exterior doors to provide a tight seal against drafts and keep out the cold and moisture.
- FEEL FOR AIR.** Use a lit incense stick or smoke pencil to check for air leaks where plumbing, ducting or wiring come through walls or floors. Seal with caulk or spray foam to keep unwanted drafts and moisture out of indoor spaces.
- TAKE COVER.** Cover interior windows with insulating film as a quick alternative for keeping drafts and moisture at bay. The film can be purchased from hardware stores or online, and installed using common household tools.
- SEAL YOUR SWITCHES.** Surprisingly, outlets and light switches on outside walls can be a source of unwanted drafts and heat loss. Inexpensive outlet and switch-sealing gaskets can improve weatherization and stop outside air infiltration.

Contact your local utility for more information on how to weatherize your home for the fall and to see what incentives are available for you to potentially get some cash back on your purchase.



Marketing Materials

AGRICULTURAL ENERGY EFFICIENCY

Tackling Drought with Energy Efficiency

Your utility recognizes that saving water is important and can lead to saving energy. Your utility offers incentives to help you. Energy efficiency is the premier low-cost source of new energy and works to bring energy savings to the agriculture industry. By saving water, farmers, dairies, and ranchers may be able to reduce energy costs, increase irrigation uniformity, decrease the amount of fertilizer required, or potentially even increase crop quality and yield. Through energy-efficiency incentives, your utility offers services and incentives to their members for eligible energy-efficiency measures.

Contact your local public utility to learn how you may be eligible for incentives to increase energy efficiency in the following areas:

- ▶ **New High-Efficiency Irrigation Pumps**
Over time, some irrigation pumps may become worn out, leak water, and become less efficient. Or your old irrigation pump might not be a good match to your current irrigation system requirements. Installing a new more efficient pump will help restore your irrigation system to the best operating point and save energy. If you install a Variable Frequency Drive (VFD), you can save even more energy.
- ▶ **Variable Frequency Drives**
VFDs are designed to adjust your irrigation pump motor speed to match your changing irrigation (flow and pressure) requirements. The VFD controls the frequency of the electrical power supplied to your motor. Even small speed adjustments using a VFD can create big energy savings, often as much as 10 – 20 percent. You will also get greater precision and tighter control over water distribution and pressure, and help the pump match-flow requirements. A BPA spreadsheet is used to estimate energy savings and apply for utility incentives.
- ▶ **Irrigation Hardware Upgrades**
New sprinklers, regulators, nozzles and gaskets, can reduce the pressure required at the pump, save water, improve water application uniformity, and save energy. As equipment wears out, making the switch to more energy-efficient hardware is one of the easiest ways for you to start saving water and power.

Incentives for energy-saving improvements and ways to improve drought resiliency.

... converting your center pivot reduces water evaporation during MDI uses pressure-controlled sps in the air and on the foliage.

... uniform. Some terrain would can control the irrigation down op quality in many cases. Your

... efficiency of a pumping plant and for center pivots and laterals, pump impellers. A cost share is

... System evaluation cost gives grant crop varieties in with NRCS EQIP

... using applications at DS, and refrigeration are all opportunities for utility incentives. aning technology, water usage ed at the winery.

Did you know?

Energy Efficiency Federal Tax Credits Are Now Available for eligible customers!

On Aug. 16, 2022, Congress approved the most significant piece of clean energy legislation in the Nation's history. The Inflation Reduction Act, or IRA, will invest \$370 Billion to lower energy costs for families and small businesses while also creating good paying jobs to deliver energy investments. Although the program is new, households can already start taking advantage of Federal Home Energy Tax Credits. These are separate from our incentives but can also be applied at the same time for greater savings!

Tax Credits are available for Air Source and Ductless Heat Pumps, Heat Pump Water Heaters, Insulation, Windows, Doors and Central Air Conditioners. The table below provides more detail about the tax credits and required minimum specifications.

MEASURE TYPE	2023 TAX CREDIT	SPECIFICATIONS
Ducted Heat Pumps	30% of cost up to \$2,000 per year	SEER2 ≥ 15.2, EER2 ≥ 10.0, HSPF2 ≥ 8.1 ENERGY STAR Cold Climate CEE North Region Tier 1 certified (refer to CEE Product Directory)
Ductless Heat Pumps		SEER2 ≥ 16.0, EER2 ≥ 9.0, HSPF2 ≥ 9.3 CEE North Region Tier 2 certified (refer to CEE Product Directory)
Packaged Heat Pumps		SEER2 ≥ 15.2, EER2 ≥ 10.0, HSPF2 ≥ 8.1 CEE North Region Tier 1 certified (refer to CEE Product Directory)
Heat Pump Water Heaters	UEF ≥ 3.30 ENERGY STAR Version 5.0 Compliant Refer to CEE Product Directory	
Central Air Conditioners	30% of cost up to \$600 per year	SEER2 ≥ 16.0, EER2 ≥ 12.0 CEE North Region Tier 2 certified (CEE Product Directory)
Attic, Wall, and Floor Insulation		Same as utility specification
Windows and Patio Doors	30% of cost up to \$1,200 per year	Meets ENERGY STAR Most Efficient Criteria
Exterior Doors		ENERGY STAR Certified

Questions? Please contact us...

COMPANY LOGO
PUBLIC UTILITIES

UTILITY NAME
EMAIL ADDRESS
UTILITY WEBSITE
PHONE NUMBER



Marketing Materials

Tips infographic and social media

Save money and energy:
Delay the dishwasher to run at midnight outside of peak hours.



bpa.gov/ee

Save money and energy:
Check and replace furnace filters regularly.



bpa.gov/ee

Save money and energy:
Replace incandescent and CFL lighting with LEDs.



bpa.gov/ee

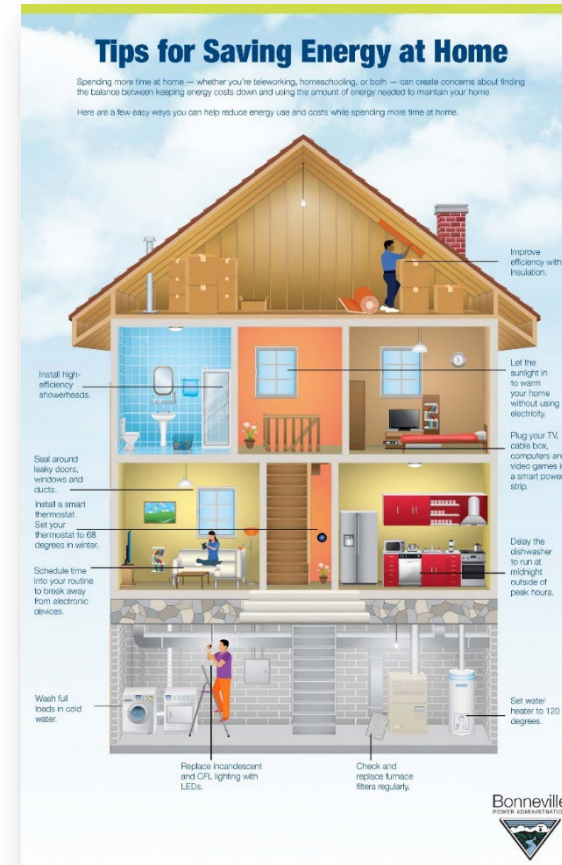
Save money and energy:
Install high-efficiency showerheads.



bpa.gov/ee

Tips for Saving Energy at Home

Spending more time at home — whether you're teleworking, homeschooling, or both — can create concerns about finding the balance between keeping energy costs down and using the amount of energy needed to maintain your home. Here are a few easy ways you can help reduce energy use and costs while spending more time at home.



- Improve efficiency with insulation.
- Let the sunlight in to warm your home without using electricity.
- Plug your TV, cable box, computers and video games into a smart power strip.
- Delay the dishwasher to run at midnight outside of peak hours.
- Set water heater to 120 degrees.
- Check and replace furnace filters regularly.
- Replace incandescent and CFL lighting with LEDs.
- Wash full loads in cold water.
- Schedule time into your routine to break away from electronic devices.
- Install a smart thermostat. Set your thermostat to 68 degrees in winter.
- Seal around leaky doors, windows and ducts.
- Install high-efficiency showerheads.

Bonneville Power Administration

Marketing Materials

Smart Thermostat social media



Marketing Materials

Ductless heat pump social media

The dog days of summer are here.

Cool off with a ductless heat pump.




Contact us for increased rebate incentives!

Keep your family cool and comfy this summer.



When temperatures rise, tempers rise.

Cool down with a ductless heat pump.



The dog days of summer are here.

Stay cool with a ductless heat pump.



Contact us for increased rebate incentives!

Keep your family cool and comfy this summer.



When temps rise, tempers rise.

Cool down with a ductless heat pump.

Contact us for increased rebate incentives!



Marketing materials

Marketing materials are available for utility customization on the [BPA marketing portal](#) or in the [marketing toolkits](#) on the BPA website.

If you need assistance in creating or customizing marketing materials, please contact your energy efficiency representative.

Marketing Portal

Customizable marketing assets available to utility customers, trade allies, and contractors

Other ways we can help you be successful

1. Designing, customizing and printing marketing materials
2. Developing or customizing social media content
3. Logo/Icons
4. Consulting on marketing projects/campaigns

IDAHO FALLS POWER

LED LIGHTING
FOR COMMERCIAL INSTALLATIONS

20% BONUS INCENTIVE!

Please contact Idaho Falls Power for specific program requirements.

www.ifpower.org
ifpinfo@ifpower.org
(208) 612-8430

Incentive payments up to **\$5,000**

- LED Troffer Fixtures
- LED Wall Packs
- LED Wraps
- LED High Bay Fixtures
- Type B & C LED Tubes
- LED Canopy
- LED Parking Lot

208-612-8430
Hours M-F: 8:00 AM - 5:00 PM
www.ifpower.org
ifpinfo@ifpower.org

Customized Pieces



HEAT PUMP HEAT STRIP FAQ

WHAT IS A HEAT STRIP?

A heat strip is a secondary heat source installed inside an air handler and operates using the same A.C. power as the air conditioning unit. They also can be referred to as auxiliary heat strips.

WHEN DO HEAT STRIPS TURN ON?

In general, if the outdoor temperature falls under 32 degrees Fahrenheit, heat strips are used. Heat strips can be utilized for backup or emergency heat; you can switch between the two. In the first case, the heat pump and strip will work simultaneously. In the second, your heat pump system will depend on the strip completely.

It's recommended that you keep your thermostat at 68 degrees in the winter; each degree you heat your home above 68 can add as much as four percent to your utility costs. Keeping your house at a lower temperature will reduce the amount of heat your heat pump has to create, thereby reducing the need to rely on heat strips.

WHY DOES A HEAT PUMP HAVE HEAT STRIPS?

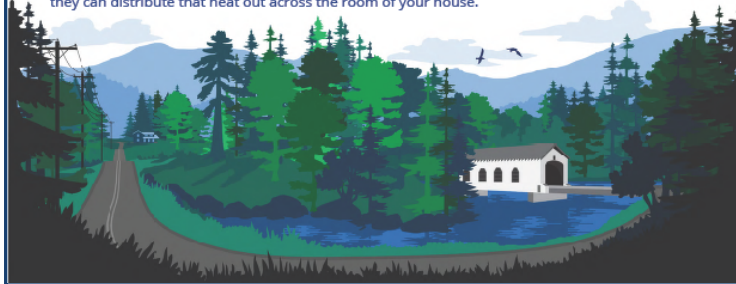
They are there for emergency use. They help the heat pumps increase the temperature of the air being pulled out by the unit.

In addition to this heating method, heat pumps use heat strips coils as an auxiliary heating source if the unit cannot convert the outside air as quickly as possible.

DO ALL HEAT PUMPS HAVE HEAT STRIPS?

No. Not all heat pump systems are equipped with an electric heat strip component. But keep in mind that most heat pumps do have electric heat strips.

It is beneficial to have them so that your heat pump fan blows air across the heat strips, and they can distribute that heat out across the room of your house.



REMINDER: CLEAN THE FILTER ON YOUR HEAT PUMP WATER HEATER

The air filter is a key piece of the heat pump water heater and one of the easiest pieces to maintain.

Different units use different types of filters. Some filters simply need to be cleaned periodically whereas others will need to be replaced at regular intervals.

Check the manufacturer's recommendation on how often to replace or clean the filter.

Taking care of the filter helps to ensure your heat pump water heater operates at peak performance, and it will help you avoid costly service and/or repair.



Articles/Case Studies

Bonneville
Clean Power for People

Energy & services Environmental initiatives Learn & participate About

Navigation - Finance - Who We Are - Careers

[Back to Newsroom](#)

A new window of recognition for BPA and partners on an emerging technology

October 08, 2023




An alternative to storm windows earns high marks for providing comfort, energy and cost savings in a Vancouver, Washington demonstration. Regional roll out has already begun.

BPA's Emerging Tech intervenes in the market adoption by demonstrating and quantifying energy savings values so program incentives can be developed for BPA customers.

BPA mechanical engineer Jamie Anthony

Together with the Northwest Energy Efficiency Alliance and Clark Public Utilities, BPA has received recognition from the U.S. Department of Energy's [Building Envelope Campaign](#) for a joint venture demonstrating secondary windows, an emerging technology.

These are not your grandparents storm windows

Poorly insulated windows often contribute to high electric bills and poor temperature control in commercial and residential real estate. Replacing windows has been expensive and disruptive to the occupants. Often this requires removing the glass, the frame, and the surrounding drywall, before installing the upgraded product, repairing the damaged drywall, and applying a new coat of paint. But recently BPA partnered with NEEA to field test a different approach. Inserting a secondary window into the existing framework creates an additional air barrier, while ensuring there's a small amount of space to prevent convection. The result is conserved energy and increased comfort with less mess.

Vancouver case study

The case study that earned the project recognition from DOE is an office building in downtown Vancouver, Washington. With the 8-story, 8,000-square-foot, all-electric commercial building closing in on its 50th anniversary, the property managers were looking for ways to improve building comfort and performance. They identified the building's floor-to-ceiling single-pane windows as a place to start. With occupants appreciating the expansive views, they were uncomfortable – too hot in the summer and too cold in the winter. Watch the project recap video [on YouTube](#).

POU
OKANAGAN COUNTY

Honeybear Efficiency Efforts Grow

2021

Bonneville
Clean Power for People

Project

- Honeybear Farmers (Honeybear) SA recently increased its energy upgrades and rebates to its fleet of:
- Upgrades:** The facility installed new automatic tracking bins, updated irrigation controls, and new flow meters. These updates will reduce energy usage for water by the position and maintain them for longer term.
- Rebate:** The upgrades have made conditions better to grow for root, who work in a bright, clean building with many new attributes that make work more efficient and faster to complete. This has been accomplished by organic capital based on our cash flow, and our ability to invest in the infrastructure for different clients as well as our own.

Results

- Energy Savings:** With the efficient upgrades, they have saved approximately 125,000 kWh per year – enough to power approximately 100 homes.
- Workless safety:** The efficiency upgrades have reduced work and safety risks with more automation in higher, dangerous locations.
- Efficiency:** The automated packing line has increased efficiency for sorting and packaging apples, reducing their volume and weight on trucks. This has allowed them to pack apples faster, allowing for longer storage time. The faster the apples load, the better it is for growing resulting sales.

152,985
kWh Annual Energy Savings

\$41,709.83
Okanagan POU Incentive Payment

What ideas do you have to save energy?

Changes in the way energy efficiency is marketed for residential, commercial and other types of customers.

POU Energy Services Dept.
509-852-4642
www.okanagapou.org

Green 481 Energy Smart Industrial Partner Tony Slocum, POU Energy Services Coordinator Mike Johnson, Honeybear Growers General Manager Jim Bink, and Honeybear Growers Production Manager George Burt have gathered at the upgraded facility to hand off the energy savings incentive.

Efficiently cleaned apples will also accelerated sales that will drive them to have proper plans along the line according to size and color.

LOWER VALLEY ENERGY

Patience Pays

Lower Valley Energy presents High Country Linens with rebate check

2018-2021

Bonneville
Clean Power for People

Project Background

- Lower Valley Energy, or LVE, partnered with High Country Linens Services in search of energy-efficiency solutions.
- Three-year project consisted of multimillion dollar investment in laundry-system improvements.
- Energy-efficiency upgrades were funded, in part, through LVE's energy-efficiency program – in partnership with Bonneville Power Administration.

Results

- Savings of 67,000 kWh a year.
- Reduced water and natural gas consumption.
- Eliminated the second shift and chose to invest the energy savings into higher wages and compensation for employees.
- Invested in 100% Green Power for all High Country Linens facilities and employee apartments.
- High Country Linens Services presented with a check for \$16,856.24 from the local cooperative.

67,000+
kWh Annual Energy Savings

\$16,856.24
Lower Valley Energy Incentive Payment

What ideas do you have to save energy?

If your business is interested in how to be more energy efficient or if you have a project in mind that will result in a significant kWh savings, please contact Amy Walker, Conservation Specialist at Lower Valley by calling (202)739-4665 or emailing Conservation@LVEenergy.com.

Big check delivery, Larry Nelson, Conservation Specialist, Lower Valley Energy, Mark Barrow, Owner, High Country Linens Services, Jim Walsh, President/CEO, Lower Valley Energy, Mark Rodgers, Energy Smart Industrial Partner.

How to contact us

**Reach out to your energy
efficiency representative**

www.bpa.gov/ee

Discussion

1. Please share any recent marketing efforts and results?
2. What marketing channels are most effective for your customers?
(Direct Mail, social media, email, billing platform?)
3. How are the current EE promos working out for you? How can they be improved?
4. How can we help?

Additional marketing examples

COMPANY LOGO
PUBLIC UTILITIES

Energy Efficiency Rebate Program
Incentives for Single-Family Homes







Duct Sealing Up to \$250
Attic Insulation \$0.60 per sq ft
Smart Thermostat Up to \$125
Electric Dryer \$50
LED Energy Smart Fixture \$15
Washer \$30
Wall Insulation \$.60 per sq ft
House Air-Sealing CFM \$0.20
Energy Efficient Windows \$4 per sq ft.
Floor Insulation \$.60 per sq ft
Advanced Power Strip \$40 per
Heat Pump \$500-\$1500
HP Water Heater \$300
LED Lightbulb \$4
Energy Star Door \$40 per door
Ductless Heat Pump Up to \$1000

Free Energy Audits and other services are also available.





Need more information?
 UTILITY NAME
 UTILITY PHONE
 UTILITY EMAIL

10 Tips for Saving Energy

No Cost

- 
1. Bring on the cold: Wash clothes in cold water.
 Unless your clothes are really dirty — choose cold water. It is the most energy efficient and economical choice!
- 
2. Set low standards: Set your thermostat to 68 degrees Fahrenheit in winter.
 For every one degree Fahrenheit you turn your thermostat down, you will use 1% less energy.
- 
3. Let the sunshine in: Open or close your blinds depending on the season.
 Open curtains and blinds in cooler months to allow the sunlight to warm your home. Close them in warmer months to keep rooms cooler.
- 
4. Save energy and avoid scalding burns: Set water heater temperature to 120 degrees Fahrenheit.
 The default temperature setting on water heaters is around 140 degrees. Turning the temperature down to 120 degrees is safer and will save 4% to 22% energy annually.
- 
5. Close the fireplace damper when not in use.
 Keep the damper in your fireplace closed unless a fire is burning. Otherwise your heated or cooled air can escape through the chimney.
- 
6. Change direction with the seasons.
 In the winter, set ceiling fans to a clockwise rotation to circulate warm air. In summer, set fans to counter-clockwise to circulate cool air.

Low Cost

- 
7. Keep the lights on longer: Replace incandescent and CFL lighting with LEDs.
 ENERGY STAR® residential LEDs use less energy and last longer than incandescent and CFL lighting.
- 
8. Avoid energy vampires: Plug your TV, cable box and video games into a smart power strip.
 Idle electronics suck energy and can contribute to up to 10% of a household's monthly electric usage. Plugging equipment into a smart power strip reduces energy waste and saves money on your electric bill.
- 
9. Keep it clean: Check and change furnace filters regularly.
 Clogged or dirty air filters cause your furnace to work hard and waste energy. Clean filters increase efficiency, extend the life expectancy of your furnace and help cut energy costs.
- 
10. Take better showers: Install high-pressure/low-flow showerheads.
 Aerators and high-pressure/low-flow showerheads not only save water, they save on the cost of heating water. Less water used is less water to heat.

COMPANY LOGO
PUBLIC UTILITIES



RESIDENTIAL WEATHERIZATION: INSULATION AND AIR SEALING FACT SHEET



Figures are estimates. Actual heat loss varies by house.

Insulation

Improve the comfort of your home and reduce energy costs with proper insulation.

Did you know insulation plays an important role in how your home uses energy? It's also one of the main players in heating and cooling costs. In fact, the Environmental Protection Agency estimates homeowners can save an average of 15% on heating and cooling costs by air sealing their homes and adding insulation to attics, floors above crawl spaces and accessible basement rim joists.*

Most people associate insulation with fuzzy rolls of pink stuff and a recognizable cartoon character, but what is it?

Insulation is a classification of materials that are used to reduce heat transfer from the inside and outside of a building. Most commonly, insulation is used in attics, ceilings, walls, floors and crawl spaces to help maintain more constant, comfortable temperatures in your home.



Batt insulation installation

Types of insulation

- Batts (or rolls)** are the most common and available form of insulation, and are often referred to as blanket insulation.
 - Benefits:** Flexible fiberglass batts are manufactured in the right size to fit between wall joists, studs and under floors, and can be easily cut by hand and installed.
- Loose fill or blow-in** is made of small particles of different materials that can be blown into areas.
 - Benefits:** Can be blown into areas that may be hard to reach or where it is difficult to apply other types of insulation. Commonly used materials for loose-fill or blow-in are:
 - Cellulose: recycled newsprint.
 - Fiberglass: comprises 40%-60% recycled glass.
 - Mineral wool: 75% post-industrial recycled content.
- Spray foam insulation** is a liquid mixture that can be sprayed, injected or poured into place to insulate and reduce air leakage.
 - Benefits:** Conforms to the space where it is applied and is very effective at sealing small cavities and cracks. Some types can have a higher R-value than traditional batt and roll insulation.
- Foam board and rigid foam** insulation sheets are available in various lengths, widths and densities, and can be used almost anywhere in your home.
 - Benefits:** Can perform up to two times greater than other insulation types with the same thickness and can be purchased at your local home improvement store.

*https://www.energystar.gov/campaign/seal_insulate/methodology_0



Air leaks and insufficient insulation contribute to drafts and uncomfortable temperatures in your home. Contact **(Insert utility name here)** to find a recommended contractor who can make improvements to your home that help keep you comfortable year-round and save money on energy bills. Improvements could also be eligible for incentives from **(Insert utility name here)**. Be a hero in your home. Take control of comfort and energy bills, and make your home *A Good Place To Be*.



Learn more about weatherization and available incentives at yourutility.com or call **(xxx) xxx-xxxx**.



Hot water is something everyone can smile about.

COMPANY LOGO
PUBLIC UTILITIES

Did you know? Heat pump water heaters have the flexibility to efficiently meet all your hot water needs. They can also reduce hot water costs by up to 50 percent. **Insert utility name here** can help you find a qualified installer and offers incentives to help offset the cost. Take control of your comfort and make your home *A Good Place To Be*.

Contact us about installing a heat pump water heater at yourutility.com or call **(xxx) xxx-xxxx**.



Hot water is something everyone can smile about.

Did you know? Heat pump water heaters have the flexibility to efficiently meet all your hot water needs. They can also reduce hot water costs by up to 50 percent. can help you find a qualified installer and offers incentives to help offset the cost. Take control of your comfort and make your home *A Good Place To Be*.

Contact us about installing a heat pump water heater at or call .



*It's a
Good
Place
TO BE*

**Lower heating bill and a warmer home —
now I can get *really* comfortable.**

COMPANY LOGO
PUBLIC UTILITIES

Providing both heating and cooling all-in-one, a Ductless Heat Pump in the main living area of your house can keep you warm in the winter and cool in summer. The DHP delivers even, consistent heating with an ultra-quiet fan, making your home *A Good Place To Be*.

Find more information about our ductless heat pump program at [\[utility website\]](#), or call [\(xxx\) xxx-xxxx](#).

**Help make homes
more comfortable
and reduce
energy waste
with weatherization
solutions from
your utility.**



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costs.

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Contact [\(insert utility name here\)](#) about weatherization programs and the incentives available at [yourutility.com](#) or call us at [\(xxx\) xxx-xxxx](#).



**LOGO
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Eastern Oregon
Water
1256 SE River St.
La Grande, OR 97658
(503) 458-4587
eastorwater.org

A LOW PRESSURE CHOICE FOR HIGH EFFICIENCY IRRIGATION.

LOW ENERGY PRECISION APPLICATION (LEPA)

Reduce water and energy usage by up to 30% with a new Low Energy Precision Application (LEPA) conversion. Opportunities are now available through your local utility to test your field's adaptability for LEPA.

LEPA can provide more uniform irrigation application for all of your crops through the conversion of your center pivot irrigation system and lowering sprinkler heads so they are closer to crops. This greatly reduces water evaporation during irrigation, as well as reducing the overall pressure—and energy—required to efficiently water crops for a true low pressure way to save!

LEPA is a great addition for sandy soils and is currently being tested on additional soil types. Contact your local utility to determine if your soil type and topography is suitable for LEPA conversion. Your utility can set up a trial with a LEPA test stand to review your field's adaptability.

- LEPA Provides:**
- More uniform application
 - Reduced water evaporation
 - Lower pressure requirements for greater energy reduction

CONTACT YOUR LOCAL UTILITY TO GET STARTED. ▶



GET CONTROL WHERE YOU NEED IT MOST.

VARIABLE FREQUENCY DRIVES

Save energy and extend the life of your equipment when you install a new Variable Frequency Drive. Designed to match all of your changing irrigation needs, a Variable Frequency Drive can save up to 20% off your annual energy costs! Financial incentives may be available from your utility; call today to learn more.

**CONTACT YOUR LOCAL
UTILITY TO GET STARTED.**
Your utility is here to assist you and make it easy to start saving. Call today to learn more about the Variable Frequency Drive program.

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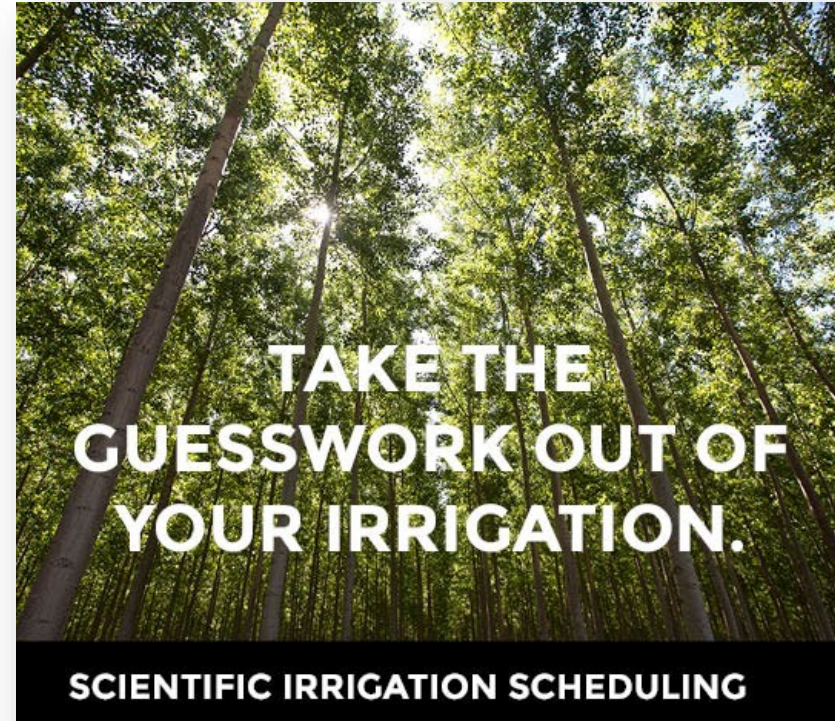
Nozzles, sprinklers, and gaskets are just some of the small changes that can add up to **BIG** savings in water and energy. Many local utilities now offer additional incentives when you replace older equipment with more efficient components. Start saving big today!

CONTACT YOUR LOCAL UTILITY TO GET STARTED.

Your utility is here to assist you and make it easy to start saving. Call today to learn more about the Irrigation Hardware Upgrade program.

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SIS takes the guesswork out of irrigation by combining monitoring and analysis of crop and weather information to create a watering schedule that's optimized for the best results. By working in harmony with your crops, SIS helps you save up to 10% on your annual water use. By working in harmony with your crops, SIS can help you save up to 10% annually!

CONTACT YOUR LOCAL UTILITY TO GET STARTED.

Your utility is here to assist you as you start planning for the Scientific Irrigation Scheduling program. Call today to learn more.

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(503) 458-4587
eastorwater.org



You work long, hard hours to keep your agricultural business productive, bountiful and profitable. But how much time does it leave for you to consider how to operate at a lower cost?

Upgrading to more energy-efficient tools and devices is proven to help you do just that—without sacrificing productivity. And thanks to available utility incentives, can put cash back into your hands.

Use this guide to learn more about potential energy-saving upgrades you can make to your business.

Many processing applications at wineries including irrigation, harvest, and storage are ripe for energy improvements. Energy-saving enhancements such as lighting upgrades, HVAC, pipe insulation, compressed air, VFDs, and refrigeration are all eligible opportunities for utility incentives. Reduce utility costs and improve cash flow with energy-efficient upgrades from the field to the office.

Lighting
In addition to energy-cost savings of 25% to 50%, energy-efficient LED lighting upgrades and controls can increase visual acuity and lighting equipment life, improve security, and may also improve worker safety, productivity, and quality of work. You can save energy by converting old incandescent, halogen, and fluorescent lights to more efficient LEDs anywhere on your farm where lights are used. LEDs have improved significantly in the past 10 years, lasting much longer than other types of bulbs, and come in a wide selection of colors and color temperatures (warm or cool light). For greater savings, add controls to these lighting systems to ensure they only operate when needed.

Compressed air VFDs
As much as 80% of the energy used to produce compressed air turns into heat. For many compressors over 15 horsepower, even when using very little air, a lot of energy is still being wasted. This is especially true for compressors that run continuously but are not milking around the clock, and where the air demand varies. By adding VFD technology, the air compressor can slow down, waste less energy, and still deliver the required airflow. Savings of more than 50% have been documented.

CONTACT UTILITY NAME TO GET STARTED. ▶



Did you know homes that use well water or have farm animals can operate at lower energy costs? Upgrading to more energy-efficient tools and devices is proven to help you do just that—without sacrificing comfort or convenience. And thanks to available utility incentives, can put cash back into your hands.

Use this guide to learn more about potential energy-saving upgrades you can make to your business.

Livestock Waterers
Do you take care of livestock during the winter months? An electric tank heater uses a lot of electricity, and keeping it running when water is not close to freezing wastes energy and costs money. Replace the livestock water tank with a freeze-protected non-electric tank, or add a thermostatically controlled outlet to limit tank-heater operation on freezing days. Thermostatically controlled water tank heaters will turn on when the weather is cold, and shut off automatically when the threat of freezing has passed. These energy-efficient options still provide fresh water to your animals while saving electricity cutting and costs.

Thermostatic Controls
If your home uses well water, cold weather can threaten to freeze pipes and leave you without water for days or longer. Many homeowners will have a heater installed in their pump house to prevent freezing during winter months; however, operating them all winter can be costly. With a thermostatically controlled outlet, the heater will only turn on when the weather is cold enough to warrant use, to help keep your pipes from freezing or bursting—and reducing operating costs. Installation of thermostatic controls can be as simple as plugging the device in between the space heater and the outlet.

Ready to take the next step?
Contact us for more information. Our engineers and program staff can walk you through the steps that make sense for your agricultural business, and help you find the best-fit incentives for your energy-efficiency upgrades.
XXX-XXX-XXXX www.utilitywebsite.com



IRRIGATION PUMPING AND SPRINKLER SYSTEM UPGRADES

You work long, hard hours to keep your agricultural business productive, bountiful and profitable. But how much time does it leave for you to consider how to operate at a lower cost?

Upgrading to more energy-efficient tools and devices is proven to help you do just that—without sacrificing productivity. And thanks to available utility incentives, can put cash back into your hands.

Use this guide to learn more about potential energy-saving upgrades you can make to your business.

Irrigation Pump Testing and System Analysis
 Regular maintenance and repairs keep your irrigation system running; however, it may not identify the inefficiencies that drive higher operating costs as your equipment ages. Pump testing can help determine if you would benefit from a rebuild, or if replacement is a better option. Analysis can also identify opportunities to increase the efficiency of the irrigation delivery system. As technology has advanced, many technologies and upgrades have shown to improve irrigation while reducing wasted water and energy. Incentives for inspections by industry professionals, and upgrades made to your system based on the information revealed in your analysis may be available.

New High-Efficiency Irrigation Pumps
 Over time, some irrigation pumps may become worn out or less efficient than ideal. Or, your old irrigation pump might not be a good match to your current system requirements. Installing a new, more efficient pump will help restore your irrigation system to the best operating point and save energy.

Variable Frequency Drives (VFD)
 VFDs are designed to adjust water-pump motor speed to match your changing irrigation needs, controlling the frequency of the electrical power that's supplied to your motor. Even minor speed adjustments using a VFD can create big energy savings, often as much as 10% to 20%. You will also get greater precision and tighter control over water distribution and pressure, and help the pump match-flow requirements. A calculator is available to make estimating savings and applying for incentives easier than ever. If installed with a new high-efficiency irrigation pump, the energy savings could be even greater.

Pump House Thermostatic Controls
 During cold winters, pump house temperatures can get below zero and threaten to freeze or burst pipes. Heaters are often used to prevent freezing conditions during those cold winter months. Thermostatic controls manage the operation of the heaters to prevent the freezing of pipes and tanks, and shut off automatically when the threat of freezing has passed. Installation of thermostatic controls can be as simple as plugging the device in between the space heater and the outlet.

CONTACT UTILITY NAME TO GET STARTED. ▶



DAIRIES

You work long, hard hours to keep your agricultural business productive, bountiful and profitable. But how much time does it leave for you to consider how to operate at a lower cost?

Upgrading to more energy-efficient tools and devices is proven to help you do just that—without sacrificing productivity. And thanks to available utility incentives, can put cash back into your hands.

Use this guide to learn more about potential energy-saving upgrades you can make to your business.

Dairies need new ways to get cost-competitive. The price of milk has not changed, but the cost of doing business has increased, making it difficult to earn a profit. With more than 1,100 dairies in the Pacific Northwest, dairies are very keen on keeping their assets at peak performance. Enhancements such as lighting upgrades, VFD-driven compressed air, VFDs on pumps, wastewater treatment, heat exchangers and refrigerators are all opportunities to use energy more efficiently and reduce costs, while maintaining peak performance. BPA supports utility incentives for dairies that implement barn and area LED lighting, chiller improvements, and VFD applications on vacuum pumps.

Pump House Thermostatic Controls
 During cold winters, pump house temperatures can get below zero and threaten to freeze or burst pipes. Heaters are often used to prevent freezing conditions during those cold winter months. Thermostatic controls manage the operation of the heaters to prevent the freezing of pipes and tanks, and shut off automatically when the threat of freezing has passed. Installation of thermostatic controls can be as simple as plugging the device in between the space heater and the outlet.

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CONTACT UTILITY NAME TO GET STARTED. ▶

Get all your ducts in a row!


Do you have cold and drafty spots in your home?

You may benefit from having a Performance Tested Comfort Systems® (PTCS) Technician take a look at your home's heating and cooling ducts for potential improvements.




Feel the difference. Count the savings.


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Therapy for the Dysfunctional House



Duct Testing & Sealing
House Pressure Diagnostics
Combustion Appliance Safety Testing
Heat Pump & Air Conditioner Diagnostics



 **PERFORMANCE TESTED COMFORT SYSTEMS®** **How to Get Certified**

- 1** Attend a Training
Or show proof of completion from a certified trainer.
- 2** Create an Account on the PTCS Online Site Registry at ptcs.bpa.gov
Click on "Register" in the top right-hand corner to get started.
- 3** Submit an Application
Submit the completed Certified Technician Application by email to ReshVAC@bpa.gov, or fax to 1-877-848-4074.
- 4** Approved to Work
Once your account is activated, you will receive approval to start working.

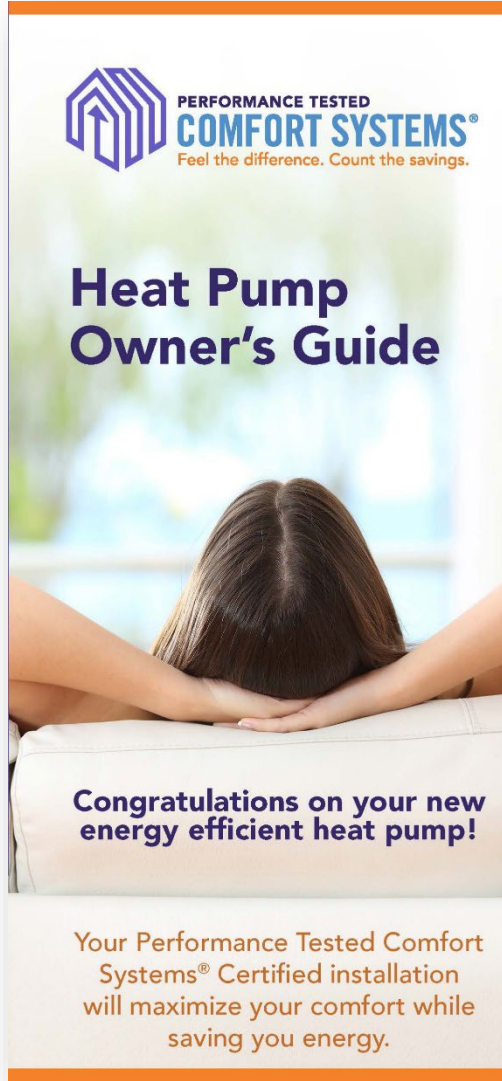
For more information, go to ptcs.bpa.gov or call 1-800-941-3867



Let's get comfortable!



 **PERFORMANCE TESTED COMFORT SYSTEMS®**
Feel the difference. Count the savings.



**PERFORMANCE TESTED
COMFORT SYSTEMS®**
Feel the difference. Count the savings.


Heat Pump Owner's Guide

**Congratulations on your new
energy efficient heat pump!**

Your Performance Tested Comfort
Systems® Certified installation
will maximize your comfort while
saving you energy.

Let's get comfortable!

An air-source heat pump can provide energy efficient heating and cooling for your home. Use a Performance Tested Comfort Systems® certified technician to install the system and you can qualify for valuable utility incentives.



**PERFORMANCE TESTED
COMFORT SYSTEMS®**

Feel the difference. Count the savings.

**MORE
COMFORT**
IN YOUR HOME

**MORE
MONEY**
IN YOUR WALLET

COMPANY ⚡ **LOGO**
PUBLIC UTILITIES





LESS IS MORE

when it comes to your energy bill, too.

With ductless heat pumps, you use **less** energy and save up to 50% **more** on your monthly electric heating costs.

All while giving you even more control over your home's comfort.



LOGO

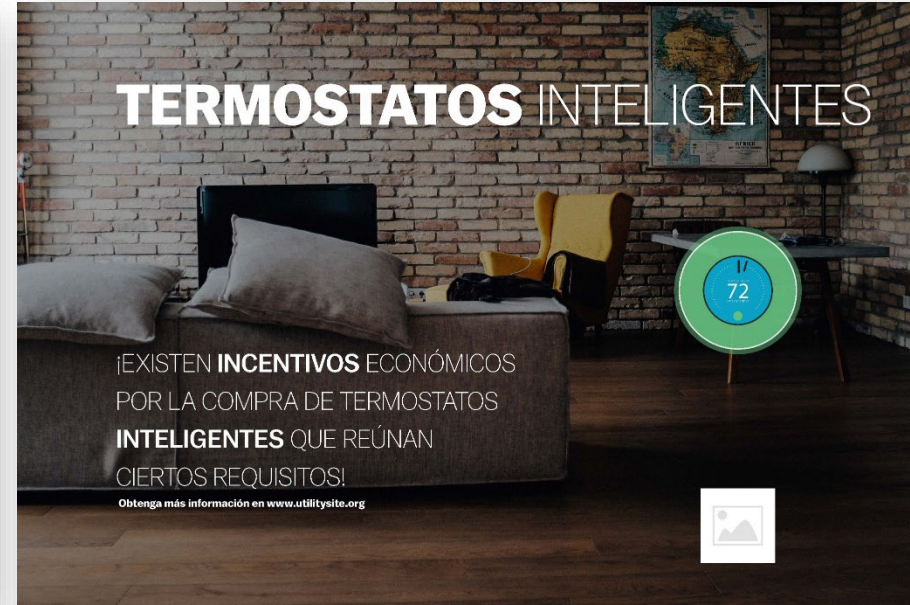
Visit [Website](#) to learn more.



TERMOSTATOS INTELIGENTES

¡EXISTEN **INCENTIVOS** ECONÓMICOS
POR LA COMPRA DE TERMOSTATOS
INTELIGENTES QUE REÚNAN
CIERTOS REQUISITOS!


Obtenga más información en www.utilitysite.org



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INTELIGENTES QUE REÚNAN
CIERTOS REQUISITOS!

Obtenga más información en www.utilitysite.org





TERMOSTATOS INTELIGENTES

Un hogar que le ayude a tomar decisiones inteligentes para ahorrar energía... Eso es comodidad.

EXISTEN INCENTIVOS ECONÓMICOS POR LA COMPRA DE TERMOSTATOS INTELIGENTES QUE REÚNAN CIERTOS REQUISITOS.

Obtenga más información en www.utilitysite.org

UN SISTEMA MÁS INTELIGENTE

COMODIDAD MODERNA

No hay opción más moderna de comodidad que un termostato inteligente que le permita controlar la temperatura de su hogar desde cualquier lugar y, además, ajustar automáticamente la configuración del sistema para maximizar su comodidad.

LA IMPORTANCIA DEL HOGAR

Independientemente de dónde esté ubicado su hogar, todos tenemos la responsabilidad de ahorrar energía. Los termostatos inteligentes ayudarán a reducir sus gastos energéticos y el consumo de energía de nuestra región.

AHORRE CON UN TERMOSTATO INTELIGENTE

Ahorre energía

Los termostatos inteligentes no solo ajustan la temperatura a su estilo de vida, sino que también registran el verdadero consumo de energía de su hogar.

Ahora es sumamente fácil ser testigos de que cómo los cambios pequeños ayudan a ahorrar más en electricidad.

Ahorre dinero

Es un hecho comprobado que los termostatos inteligentes reducen los gastos en electricidad mientras mejoran la comodidad de su hogar.

No tiene que hacer sacrificios para que disminuyan sus cuentas de la calefacción y refrigeración de su hogar.

¡Reciba dinero!

Ofrecemos incentivos económicos por la compra de un termostato inteligente que reúna los requisitos establecidos.

Tan solo compre e instale su nuevo termostato inteligente para poder pedir su incentivo.

Obtenga más información en www.utilitysite.org



Oregon Trail Electric Co-op - Baker City, Oregon Headquarters
Teléfono: 1-866-430-4265
Dirección: 4005 23rd Street Burns, Oregon 97720

Waste Less, **Save More**

Saving on your **energy** bill is always a **good** look.



A **Smart** Choice

You didn't think you needed a smartphone either, but now you can't live without it! The smart **thermostat** might just be your next greatest discovery.

A **Smarter** System

It only sounds like science fiction. Smart **thermostats** learn your habits and adjust temperatures to reduce energy waste and improve your comfort.

The **Smartest** Part

Smart **thermostats** have been proven to help lower heating and cooling costs while making sure your home stays warm and toasty.

FINANCIAL **INCENTIVES** ARE NOW AVAILABLE FOR ALL **QUALIFIED** SMART THERMOSTAT PURCHASES.

Visit www.utilitysite.org for more information.



Oregon Trail Electric Co-op - Baker City, Oregon Headquarters
Phone: 1-866-430-4265
Address: 4005 23rd Street Burns, Oregon 97720

How it **Works**

Smart thermostats help you **save** money and **reduce** energy waste.



Claim Your Incentive

Purchase and install a new smart thermostat to claim your **financial incentive**.

Learn **Together**

Over time, the smart thermostat **learns** your habits and adjusts to save energy.

Enjoy **Saving**

That's it! Enjoy watching your energy costs go down and your home's comfort improve.

Financial **incentives** are now available for all qualified smart **thermostat** purchases.

Visit www.utilitysite.org for more information.

Oregon Trail Electric Co-op - Baker City, Oregon Headquarters
Phone: 1-866-430-4265
Address: 4005 23rd Street Burns, Oregon 97720



HIGH TECH COMFORT

Smart Thermostat Savings

Save Energy

The smart thermostat adjusts your home's temperature based on your lifestyle.

The result? Greater comfort, less waste, and parents who are SO proud of you!

Save Money

Smart thermostats are proven to lower energy bills so you have more money to enjoy doing the things you love.

Exotic travel or exotic button collecting? We don't judge.

Get Cash Back!

We've even sweetened the pot with financial incentives for your qualified smart thermostat purchase.

Financial incentives are available for all qualified purchases. Contact us for details!



Oregon Trail Electric Co-op - Baker City, Oregon Headquarters
 Phone: 1-866-430-4265
 Address: 4005 23rd Street Burns, Oregon 97720



SMART THERMOSTATS

Comfort gets a high-tech makeover.

A HOME THAT HELPS YOU MAKE SMARTER ENERGY CHOICES? NOW THAT'S COMFORT.

Learn more at www.utilitysite.org

Modern Comforts

Bye bye, cold feet! Nothing says modern comfort like a smart thermostat that lets you control your home's heating and cooling from anywhere using a smartphone or other internet-enabled device.

Even cooler? New smartypants technology "learns" your household's habits to automatically adjust temperatures for maximum comfort.

Home Matters

No matter where you call home, we all have a role in saving energy. Smart thermostats' highly advanced technology helps you lower your energy bills while reducing our region's demand for energy.

Pro Tip: The thermostats' tracking and reporting features show you when your household uses the most energy so you can adjust for extra savings.



VARIABLE REFRIGERANT FLOW SYSTEMS

FOR COMMERCIAL BUILDINGS

ZONE CONTROL
OCCUPANT COMFORT

COMFORT AND CONTROL ANYWHERE YOU WANT IT

Your local utility may offer up to \$800 per ton for qualifying energy efficient variable refrigerant flow (VRF) systems in commercial buildings.

Utilizing VRF technology allows for better zone control, an increase in occupant comfort, and increased efficiency of heating and cooling in a building.



BENEFITS MAY INCLUDE



Quiet operation



Increased value of commercial space



Precise temperature control

CONTACT YOUR LOCAL UTILITY ABOUT INCENTIVES. UTILITY PARTICIPATION AND INCENTIVES VARY.



CONNECTED THERMOSTATS

FOR COMMERCIAL BUILDINGS

INCREASE FUNCTIONALITY
MAXIMIZE COMFORT
OPTIMIZE ENERGY USAGE



TAKE CONTROL OF COMFORT

Making the switch to a connected thermostat gives you more control over your building's HVAC system and can help you manage and reduce your energy consumption and costs.

Your local electric utility may offer up to \$200 for qualifying connected thermostat installations.

BENEFITS MAY INCLUDE



Simple programming



Remote access via smart devices



Automatic updates



Web-based monitoring and alerts



Reduced energy costs

CONTACT YOUR LOCAL UTILITY ABOUT INCENTIVES. UTILITY PARTICIPATION AND INCENTIVES VARY.



VARIABLE FREQUENCY DRIVES FOR COMMERCIAL BUILDINGS

ON AIR HANDLING UNIT FANS

- INCREASE ENERGY SAVINGS
- REDUCE MAINTENANCE
- LOWER OPERATING COSTS

DRIVING DOWN CONSUMPTION

Your **local utility** may offer up to \$300 per horsepower for qualifying variable frequency drives (VFD) on air handling unit (AHU) fan installations.

Adding a VFD on a constant speed AHU fan allows the drive to match the amount of energy the motor needs for the amount of work that is being done. This allows for greater energy savings and an extended life of the motor.



BENEFITS MAY INCLUDE



Reduced energy costs



Reduced fan usage



Long life span



Precise temperature control

CONTACT YOUR LOCAL UTILITY ABOUT INCENTIVES. UTILITY PARTICIPATION AND INCENTIVES VARY.



CUSTOMIZED ENGINEERING SOLUTIONS

- MAXIMIZE BUILDING PERFORMANCE
- INCREASE OCCUPANT COMFORT
- SAVE MONEY

ENGINEERING EXPERTISE STRAIGHT TO YOUR DOOR

Thinking about a building or equipment upgrade? Need help understanding your options?

Efficiency has benefits beyond energy savings—it can improve customer comfort, help workers get their jobs done and increase your bottom line. Your local electric utility has engineers, tools, and incentives to help you get energy efficiency projects off the ground.

These experts will analyze your building and help you understand your building's unique energy savings opportunities—from indoor and outdoor lighting to HVAC equipment, windows, insulation and more.



When you know you can save energy in the building, but it doesn't have prescriptive incentives, you might have a custom project on your hands.

BENEFITS MAY INCLUDE



Technical expertise and support



Free, customized on-site assessment



Reduced energy costs

INCENTIVES

Not only can you get free assistance, you may be eligible to receive incentives that cover 30-50% of project costs.

Involve your local utility early on in the process so we can ensure you get the support and incentives for your project.

Call us early in the design phase!

CONTACT YOUR LOCAL UTILITY ABOUT INCENTIVES. UTILITY PARTICIPATION AND INCENTIVES VARY.



HEAT PUMP UPGRADES AND CONVERSIONS FOR COMMERCIAL BUILDINGS

INCREASE COMFORT
REDUCE ENERGY COSTS



**MAXIMUM COMFORT
MINIMUM COST**

Your local electric utility may offer up to \$1,000 per heat pump (less than six tons) or \$200 per ton of cooling capacity (between six and 20 tons) for installing a heat pump upgrade, or \$500 per ton of cooling capacity for heat pump conversions.

Upgrading your existing heat pump or installing a heat pump as part of a new construction project will help increase comfort for occupants and increase the value of your commercial space.

BENEFITS MAY INCLUDE



Increased value of commercial space



Less maintenance than traditional heating systems



Long life span

CONTACT YOUR LOCAL UTILITY ABOUT INCENTIVES. UTILITY PARTICIPATION AND INCENTIVES VARY.



ADVANCED ROOFTOP-UNIT CONTROLS FOR COMMERCIAL BUILDINGS

Full and Lite Retrofits

OPTIMIZE PERFORMANCE
REDUCE MAINTENANCE
SAVE MONEY



SAVINGS THROUGH THE ROOF

Older inefficient rooftop-units can waste thousands of dollars annually.

By retrofitting those rooftop units with Advanced Rooftop-Unit Controls (ARC), building owners and operators can save money and make their building more comfortable.

Your **local electric utility** may offer incentives anywhere from \$100-225 per ton of cooling capacity for qualifying retrofits.

BENEFITS MAY INCLUDE



Improved comfort



Improved indoor air quality



Reduced fan usage



Remote energy monitoring and control

CONTACT YOUR LOCAL UTILITY ABOUT INCENTIVES. UTILITY PARTICIPATION AND INCENTIVES VARY.



DUCTLESS HEAT PUMPS

FOR COMMERCIAL BUILDINGS

REDUCE ENERGY COSTS
INCREASE COMFORT
ZONE CONTROL



DITCH THE DUCT

Upgrading your existing heating system to a ductless heat pump (DHP) can help increase occupant comfort and the value of your commercial space.

Your **local electric utility** may offer up to \$800 per ton for qualifying energy efficient DHPs in commercial buildings.

BENEFITS MAY INCLUDE



25% more efficient than central air systems



Improved indoor air quality



Quiet operation



Easy, low-cost installation

CONTACT YOUR LOCAL UTILITY ABOUT INCENTIVES. UTILITY PARTICIPATION AND INCENTIVES VARY.

ENERGY EFFICIENT COMMERCIAL LIGHTING

REDUCE MAINTENANCE

IMPROVE APPEARANCE

SAVE MONEY

A BRIGHT IDEA!

Upgrading your lighting to energy efficient LEDs will reduce your monthly utility bill while increasing the comfort, and value of your commercial space.

WHY ACT NOW?

Your local utility may offer incentives covering **25-70%** of the project costs for most LED lighting upgrades.



BENEFITS MAY INCLUDE



Improved appearance



Reduced maintenance costs



Brighter, safer environment



Reduced operating cost



Northwest Trade Ally Network
Commercial & Industrial Lighting

CONTACT YOUR LOCAL UTILITY ABOUT INCENTIVES.
UTILITY PARTICIPATION AND INCENTIVES VARY.

COMPANY  **LOGO**
PUBLIC UTILITIES

HIGH-EFFICIENCY SHOWERHEADS

FOR COMMERCIAL BUILDINGS

REDUCE ENERGY COSTS

SAVE WATER

POWERFUL FLOW

MAKE IT RAIN SAVINGS

Take advantage of reduced energy costs and save water—without impacting performance—when you upgrade to high-efficiency showerheads. Savings for high-efficiency showerheads in commercial buildings range from 32 kWh per year to 86 kWh per year.

Qualifying commercial buildings, excluding fitness centers, may be eligible for high-efficiency showerheads for free or at a reduced cost. Commercial spaces including hotels, motels, health care facilities, and buildings with employee showers are eligible.

BENEFITS MAY INCLUDE



Reduced water-heating costs



Reduced water usage



Same performance as traditional showerheads



Easy, low-cost installation

CONTACT UTILITY NAME FOR MORE INFORMATION

WINDOWS FOR COMMERCIAL BUILDINGS

INCREASE PROPERTY VALUES

ENHANCE AESTHETICS

REDUCE COSTS

SEAL IN THE SAVINGS!

Upgrading your windows will reduce your monthly utility bill while making you more comfortable and increasing the value of your commercial property.

WHY ACT NOW?

Your local utility may offer between **15-30%** off for qualifying installations.

BENEFITS MAY INCLUDE



Greater comfort



Reduce energy costs



Improve indoor air quality



Increase value of commercial space



CONTACT YOUR LOCAL UTILITY ABOUT INCENTIVES.
UTILITY PARTICIPATION AND INCENTIVES VARY.

INSULATION FOR COMMERCIAL BUILDINGS

INCREASE OPERATING EFFICIENCY

MAXIMIZE COMFORT

REDUCE COSTS

SHIELD WITH COMFORT

Having a professional install insulation in your building will reduce your monthly utility bill while keeping you warmer in the winter and cooler in the summer.

WHY ACT NOW?

Your local utility may offer between **30-60%** of total project costs for qualifying installations.

BENEFITS MAY INCLUDE



Greater comfort



Precise temperature control



Reduced energy costs



Increase value of commercial space



CONTACT YOUR LOCAL UTILITY ABOUT INCENTIVES.
UTILITY PARTICIPATION AND INCENTIVES VARY.





SAVE THE POWER
USE SMART POWER STRIPS


PLUG IN AMERICA!

Much of the energy we use is used by things we aren't even using. Copiers, computers, printers, heaters and other freeloading electronics are stealing our power. We cannot stand idle any longer while our resources are decimated by this wasteful menace. We must rise up and take back what is rightfully ours.

The current is changing. United with our strongest ally, the smart power strip, we will overcome this kilowatt hungry enemy. These revolutionary strips eliminate waste by turning off electricity to devices that aren't being used.

Together, we will Save the Power!

Act now and save \$X on every smart power strip purchase. To learn more, visit [\(Utility URL\)](#) or call [\(Utility Phone Number\)](#).



COMBAT WASTE!

Our once trusted office devices are actually kilowatt consuming maniacs, eating up to 70% of their total energy consumption when they're not even being used. Smart power strips are the quick and simple way to win the fight against energy waste. These revolutionary strips eliminate loss by cutting power to devices that aren't being used.

1. Connect your primary device (most likely your computer monitor) to the control outlet.
2. Connect your dependent devices. These devices will automatically power down when your control device is turned off.
3. Connect your devices that must remain on (such as your CPU or router) to the constant-on outlets.

COMPANY LOGO
PUBLIC UTILITIES

Act now and save \$X on every smart power strip purchase. To learn more, visit [\(Utility URL\)](#) or call [\(Utility Phone Number\)](#).

THE BIG BENEFITS OF SWITCHING TO 28 OR 25 WATT T8 LAMPS

LONGER LIFE
Lifetimes up to 84,000 hours

ENERGY SAVINGS
Low wattage T8s are up to 20% more efficient than 32 watt T8s

RIGHT AMOUNT OF LIGHT
Low wattage T8s are bright but won't over-light your space

LESS MAINTENANCE
Up to 50% fewer trips up the ladder for your maintenance staff

EASY TO INSTALL
Often compatible with existing ballasts for instant replacements

REDUCED LIFETIME COSTS
23% Low wattage T8s are comparably priced to 32 watt T8s, and reduce lifetime costs by up to 23%

BETTER COLOR
The light from low wattage T8s can portray colors more accurately

WHY WAIT? SAVE NOW WITH LOW WATTAGE T8S

PLACEHOLDER FOR UTILITY LOGO AND PROGRAM INFORMATION

LUMINAIRE LEVEL LIGHTING CONTROLS

Placeholder for logo

THE NEXT GENERATION OF EFFICIENT LIGHTING

Luminaire Level Lighting Controls (LLCs) combine LEDs, controls, connectivity and data for a flexible lighting product that can improve occupant comfort and space utilization. Controls strategies built in to LLCs include occupancy sensing, daylight harvesting, continuous dimming and more.

THE BENEFITS:

- 1) Easy Installation and Use**
Fixtures can be ordered from the manufacturer with the sensors and control programming integrated into the fixture, so set-up is easy out of the box. Many products allow remote commissioning and control through an app or tablet. Available retrofit kits make this a simple install for those with existing linear fluorescent fixtures.
- 2) Long-Term Flexibility**
Adaptable for changes in space usage, fixtures with LLCs reduce the cost of change-over to new tenants. Simply re-group to the new lighting layout and adjust settings for new tenants.
- 3) Energy Cost Savings**
LLCs use 25 to 70% less energy than non-controlled fixtures.
- 4) Better Occupant Experience**
The right amount of light provides occupants with a better environment to complete their work.
- 5) Additional Benefits**
Some systems are more comprehensive and enable valuable benefits such as asset tracking, space utilization, enhancements to safety systems and much more.

LLCs are widely available. For the DesignLights Consortium® Qualified Products List, visit: www.designlights.org/lighting-controls/download-the-qpl/ Click on the "Qualified Systems by Capability" tab and screen for those under "LLC."

Contact your utility representative for more information on qualified LLC products.

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LUMINAIRE LEVEL LIGHTING CONTROLS

Simple Installation
Sensors and control programming are integrated into fixtures for straightforward setup out of the box.

Occupant Comfort
With the ability to adjust each individual fixture, LLLCs boost occupant comfort and productivity.

Flexible Control
Adaptable for changes in space usage, LLLCs reduce cost of change-over to new occupants.

Savings
Energy savings of 25 to 70%, and decreased installation and maintenance costs.

Better Lighting
Overall light quality is improved with LED and sensor light fixtures.

Building Improvement
LLLCs can enable emergency lighting, demand response, asset tracking and integrate with other building systems.

SMARTER CONTROLS, BIG BENEFITS

Combining LEDs with integrated controls and sensors, Luminaire Level Lighting Controls (LLLC) offer a single solution that will improve buildings, deliver maximum energy savings and enable long-term flexibility.

Contact your utility representative for more information on qualified LLLC products.

Placeholder for Logo

LUMINAIRE LEVEL LIGHTING CONTROLS FAQ

WHAT ARE LLLCS?

Luminaire Level Lighting Controls (LLLC) are lighting products with wirelessly networked integrated sensors, enabling luminaires within the system to communicate with each other. These systems provide multiple control capabilities in one package, from occupancy and vacancy sensing to daylight harvesting and data transmission, as well as combinations of each.

WHY ARE LLLCs THE FUTURE?

- **Strong savings potential:** Preliminary estimates show 25 to 70 percent savings compared with non-controlled fixtures.
- **Simpler lighting path:** LLLCs address limitations of earlier generations of controls:
 - Pre-programmed settings offer a better out-of-the-box experience
 - Less wiring
 - Same basic installation process as non-controlled fixtures
 - Wireless features and apps ease the commissioning process
- **Finer tuned controls** offer a better customer experience, such as daylight harvesting for even space lighting and continuous dimming, which allows dimming over a continuous range, as opposed to step dimming which only allows for preset increments between off and full output.
- Each fixture is embedded with sensors and software that work together to adapt to the space and can be individually controlled via smartphone or tablet, making it easier for customers to reconfigure as needs change.

WHEN IS A LLLC SYSTEM RIGHT FOR MY CUSTOMER?

For all building types, today's LLLC systems provide the best light quality and most aggressive energy savings currently on the market. They also provide a simple path to multiple control capabilities including:

- Occupancy & vacancy sensing
- Daylight harvesting
- Task tuning
- Continuous dimming

LLLC systems can also provide high value non-energy benefits*:

- Asset tracking
- Space utilization planning
- Simple adaptability for new tenants
- Integration with building systems, including HVAC and CO² sensing systems
- Integration with building security and emergency response systems such as facial recognition
- Demand response capabilities
- Energy code compliance

Placeholder for Logo

* Not all systems have all of the capabilities listed