



# Western Washington UTILITY ROUNDTABLES 2025

Oct. 22-23, 2025



# Welcome and Introductions

- Melissa Podeszwa, Energy Efficiency Representative, BPA.
- Jamae Hilliard Creecy – Energy Efficiency Vice President, BPA.
- Justin Holzgrove – Director of Engineering and Utility Services, Mason PUD3.
- Attendees, please share:
  - Name and Utility/Organization.
  - Role in Energy Efficiency (EE) and how long you've been working in EE!

# Housekeeping

- Thank you to Salem Schenkel and entire PUD3 team for hosting!
- Safety Moment.

# Daylight Saving Time ends November 2, 2025

- Less daylight means less visibility, drive safely.
- As drivers, watch for pedestrians crossing the street.
- As pedestrians, wear bright colors to be seen.
- Adjust your outdoor exercise to maximize sunlight exposure.
- Cut back on bright lights and screen time after dark.
- To align your circadian rhythm, adjust your sleep schedule by 15-20 minutes each night.

# Be Thinking About

- What are your goals for the upcoming rate period?
- How can Bonneville Power Administration (BPA) help you reach those goals?
- What else would you like to share with us?



# **BPA Updates**

## **UTILITY ROUNDTABLES 2025**

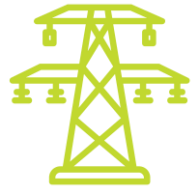
Oct. 22-23, 2025



# Overview

- BPA Energy Efficiency Objectives.
- Fiscal Year (FY) 2024-2025 rate period wrap up/look ahead:
  - FY 2024-2025 savings by sector.
  - BP-22 rate case vs. BP-25 rate case.
- Three-year rate period:
  - Why a three-year rate period?
  - EEI budget.
- Implementation Manual (IM):
  - Two IMs.
  - Reporting changes.

# BPA Energy Efficiency Objectives



1

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Acquire energy efficiency savings that provide the greatest power resource benefits for the region.



2

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Meet BPA's share of the energy efficiency goals established in the 8th Power Plan and prioritize cost-effective measures.



3

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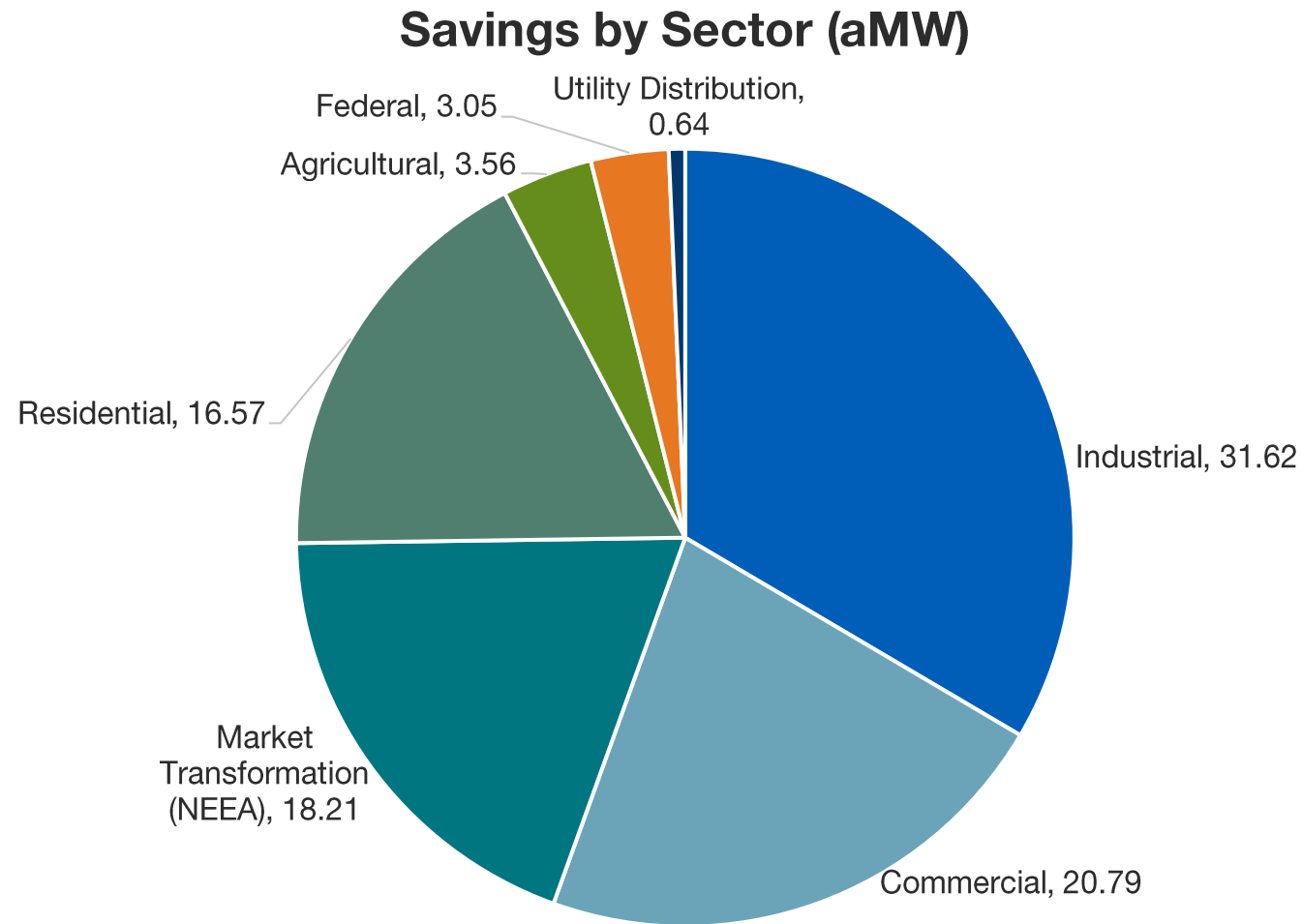
Offer a broad suite of measures that supports **all** BPA customers and their rate-payers in all sectors and demographics.

# Fiscal Year 2024-2025 Wrap Up/Look Ahead

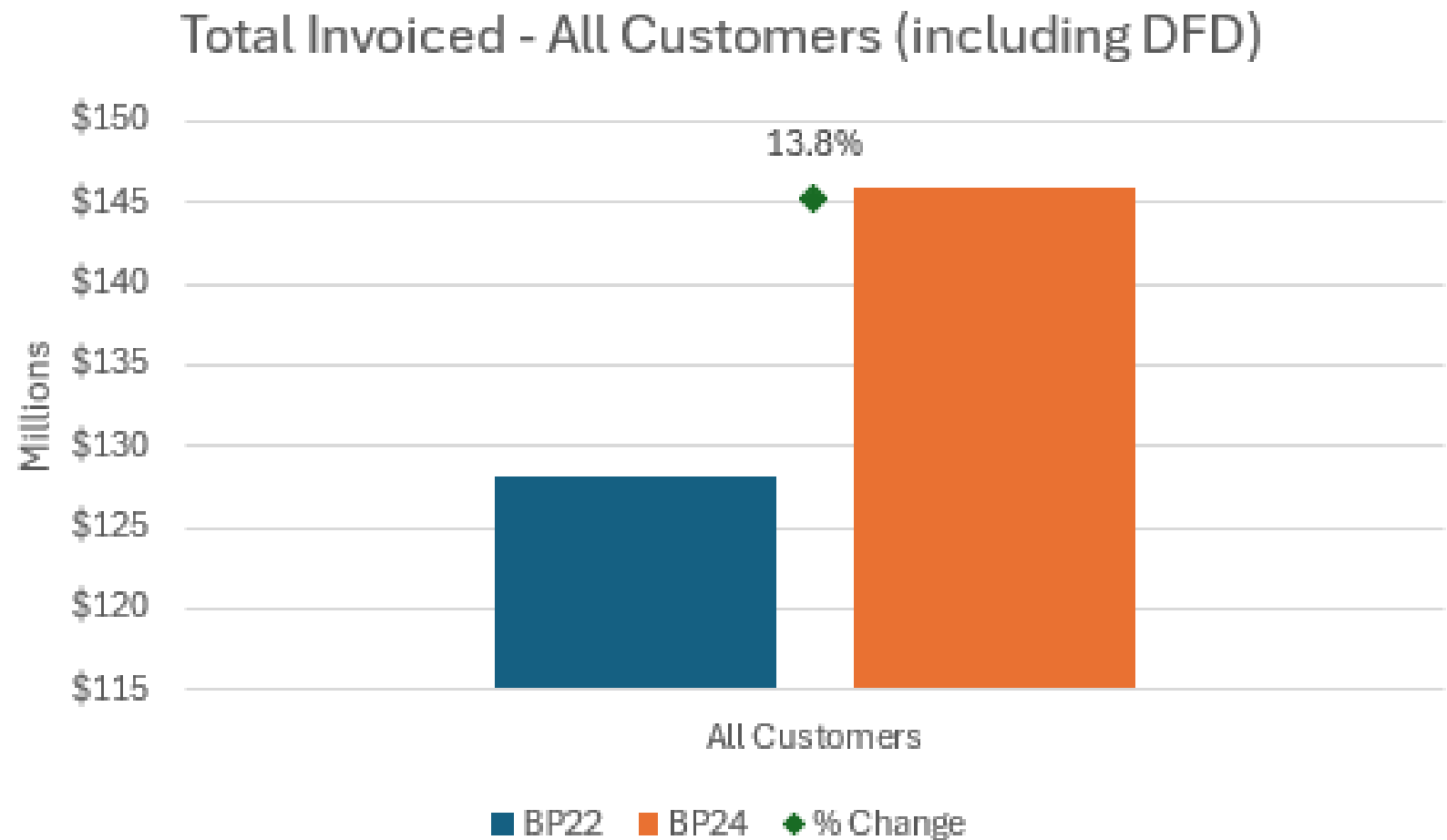
- ✓ In FY 2022-2023 (BP-22), BPA acquired 89.6 aMW.
- ✓ In FY 2024-2025 (BP-24), BPA's goal was to achieve 90 aMW. Tentatively acquired 94.44 aMW.
- ✓ FY 2026-2027, BPA's goal is 90 aMW
- ✓ BPA remains on track to meet its 300 aMW energy conservation goal!



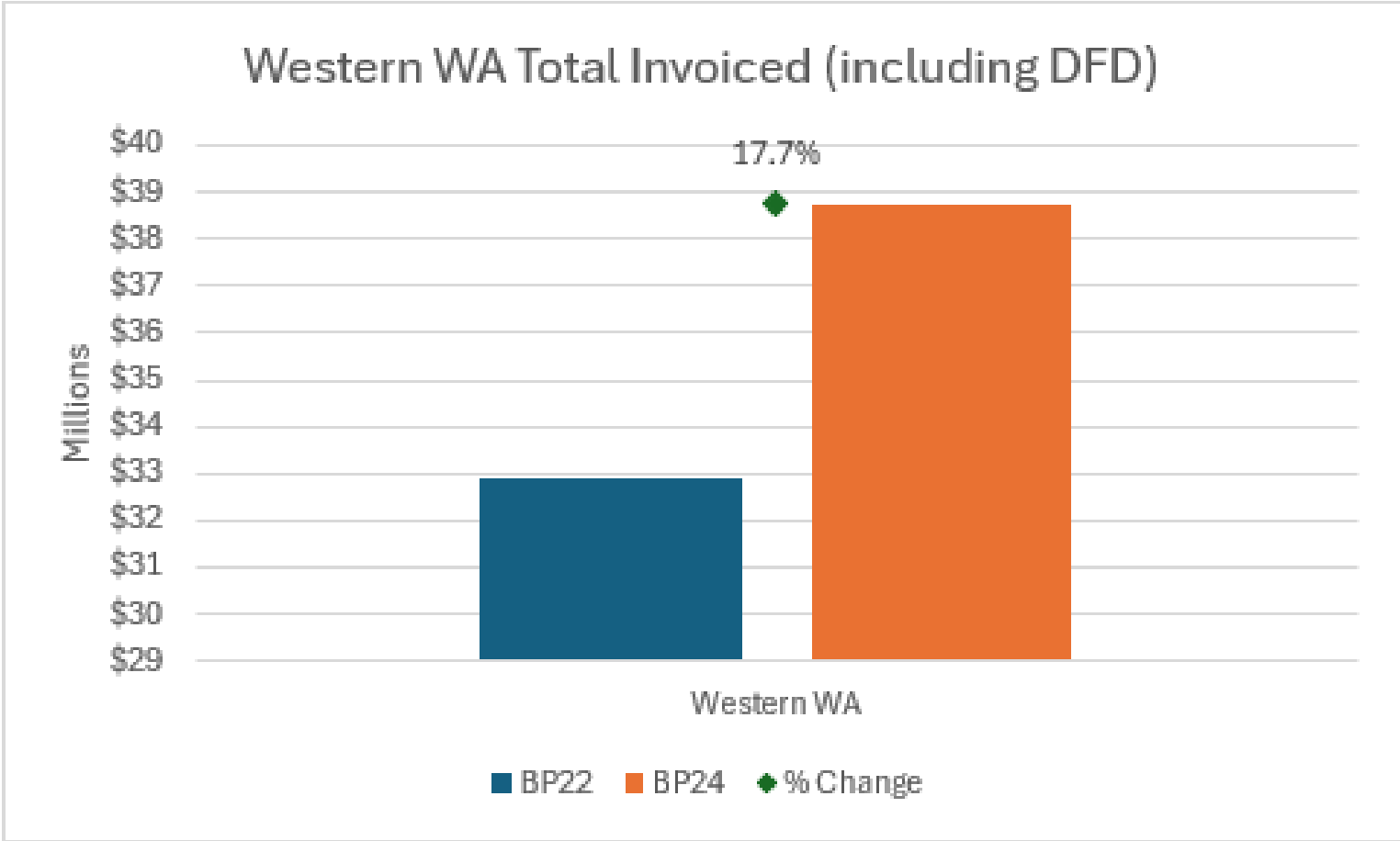
# BP-24 Savings by Sector



# BP-22 vs. BP-24 Total Invoiced

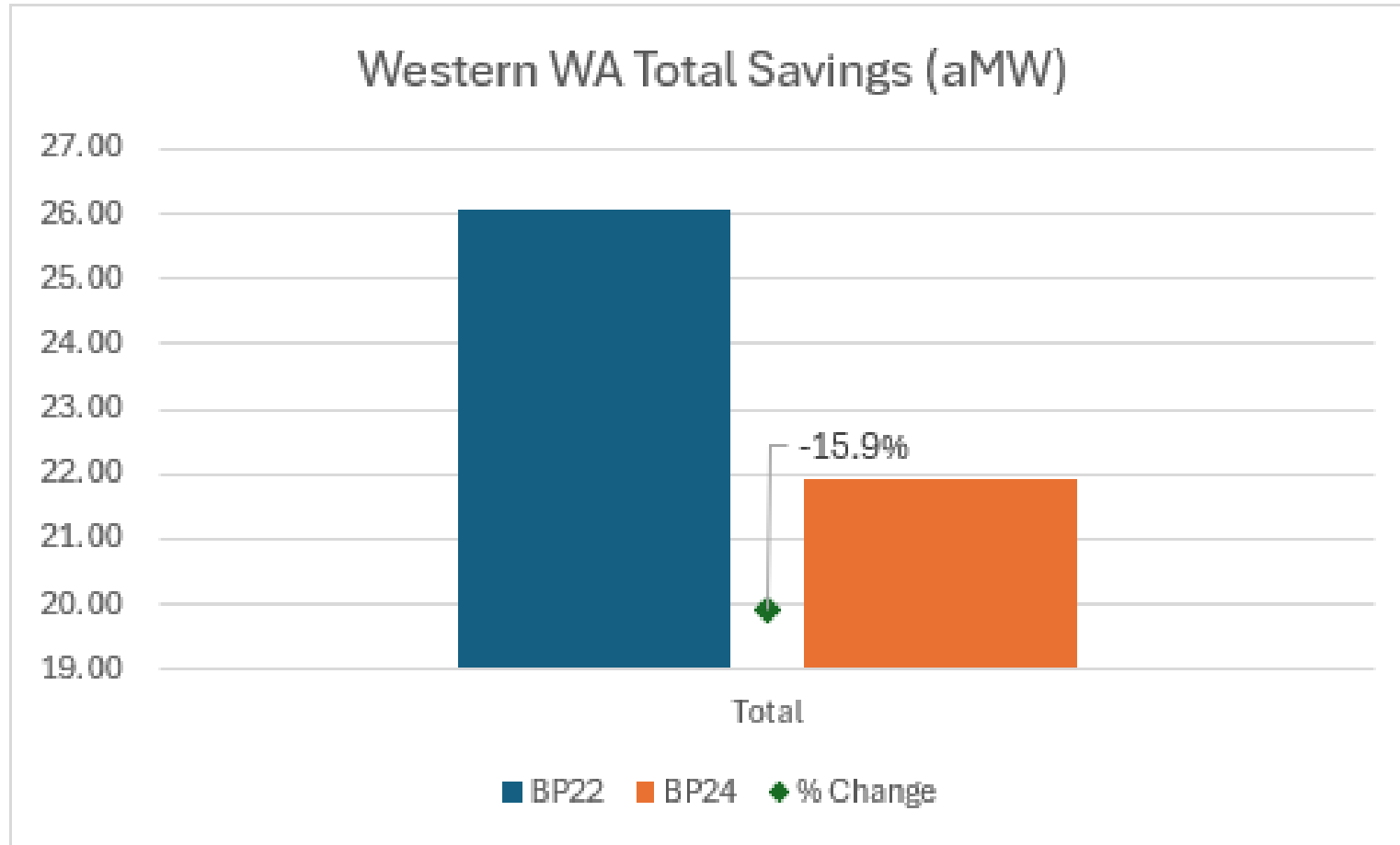


# Western WA\*– BP-22 vs. BP-24 Invoiced



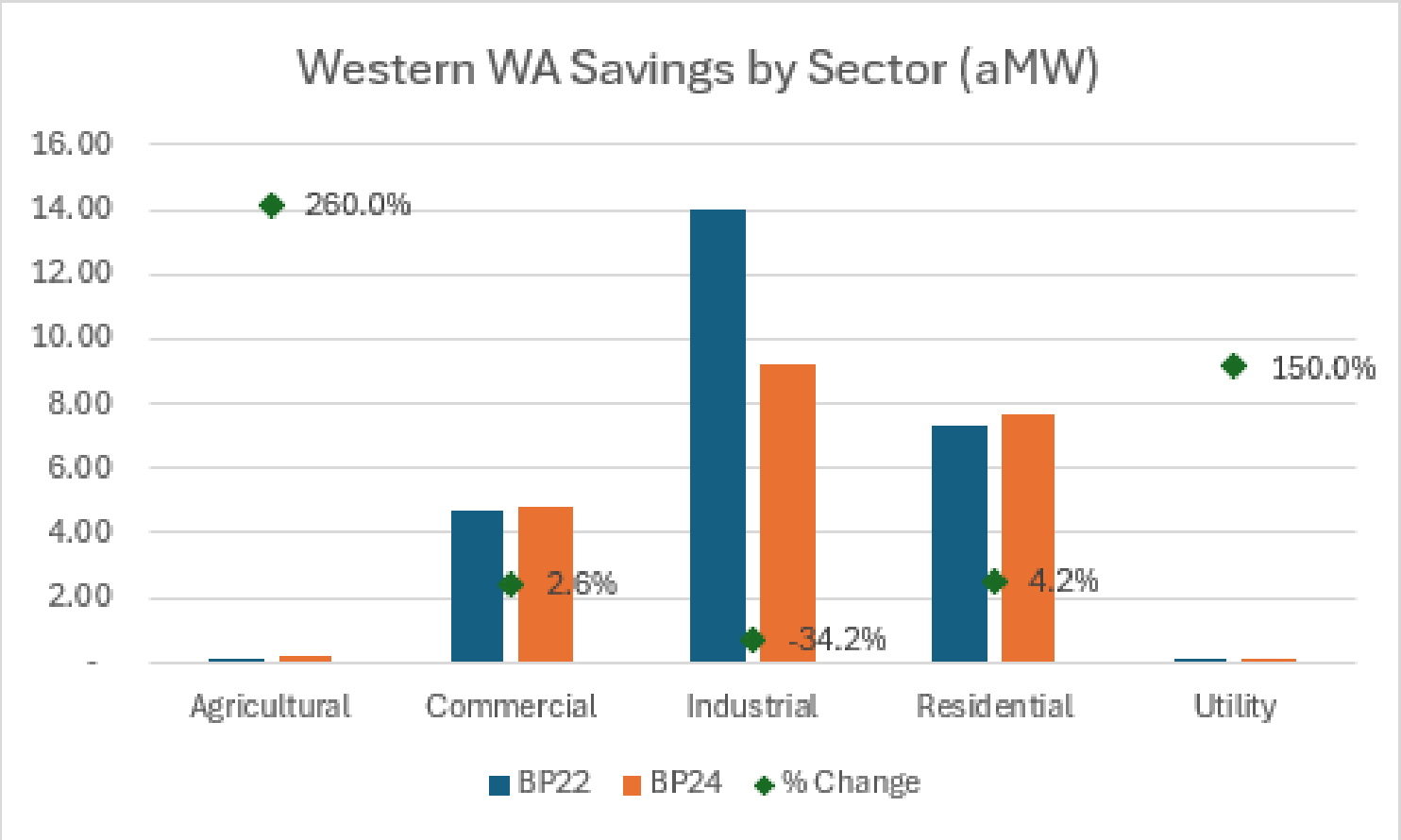
**\*Includes Ellensburg, Kittitas, Clatskanie; does not include Option 2 customers.**

# Western WA\*– BP-22 vs. BP-24 Savings



**\*Includes Ellensburg, Kittitas, Clatskanie; does not include Option 2 customers.**

# Western WA\*– BP-22 vs. BP-24 Savings by Sector



**\*Includes Ellensburg, Kittitas, Clatskanie; does not include Option 2 customers.**

# (Why) A Three-Year Rate Period?

- 20-year Regional Dialogue contracts expire at the end of FY 2028.
- BPA rate periods for EE are in two-year increments, which would leave FY 2028 stranded.



# Complexities of a Three-Year Rate Period

- The 9th Power Plan will tentatively be published in 2026 – possibly changing the underlying details of many measures.
- Activity tends to cluster in the latter part of the rate periods.
- Delayed reporting creates risk that BPA may not reach savings targets.
- There may be significant measure changes from the evolving EE market landscape during three years.



# Implementation Manual and Budget

- Two Implementation Manuals.
  - FY 2026-2027.
  - FY 2028 (full suite of changes).
- Access to the entire three-year rate period budget at the start of the rate period.
- Seamless budget to utilities but allocated by each FY.



# Reporting Changes

- Projects to be submitted into BPA Energy Efficiency Tracking System (BEETS) within six months of completion date.
- Projects to be invoiced within 60 days of “Ready to Invoice” status.
- BPA requests utilities report activity into BEETS at least once every six months.



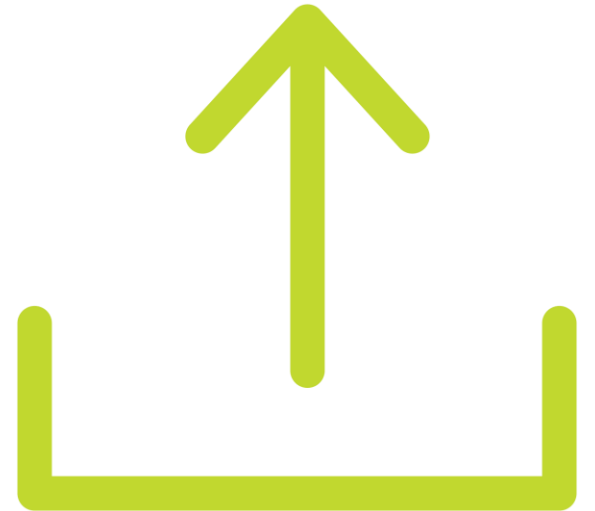
# Reporting Changes

## Now – As of October 1, 2025.

- Installed costs for all residential measures.
- Installed and repair costs (if applicable) for income qualified measures.
- See **Oct. 2, 2025 Webinar**.

## Later – April 1, 2026.

- Upload cost documentation.
- Utility Site Inspections **are not** required; required to indicate **yes/no** if conducted.
- BPA Site Inspections on a small portion of sites.
- See **Sept. 25, 2025 Webinar**.





# Commercial and Industrial Sector UTILITY ROUNDTABLES 2025

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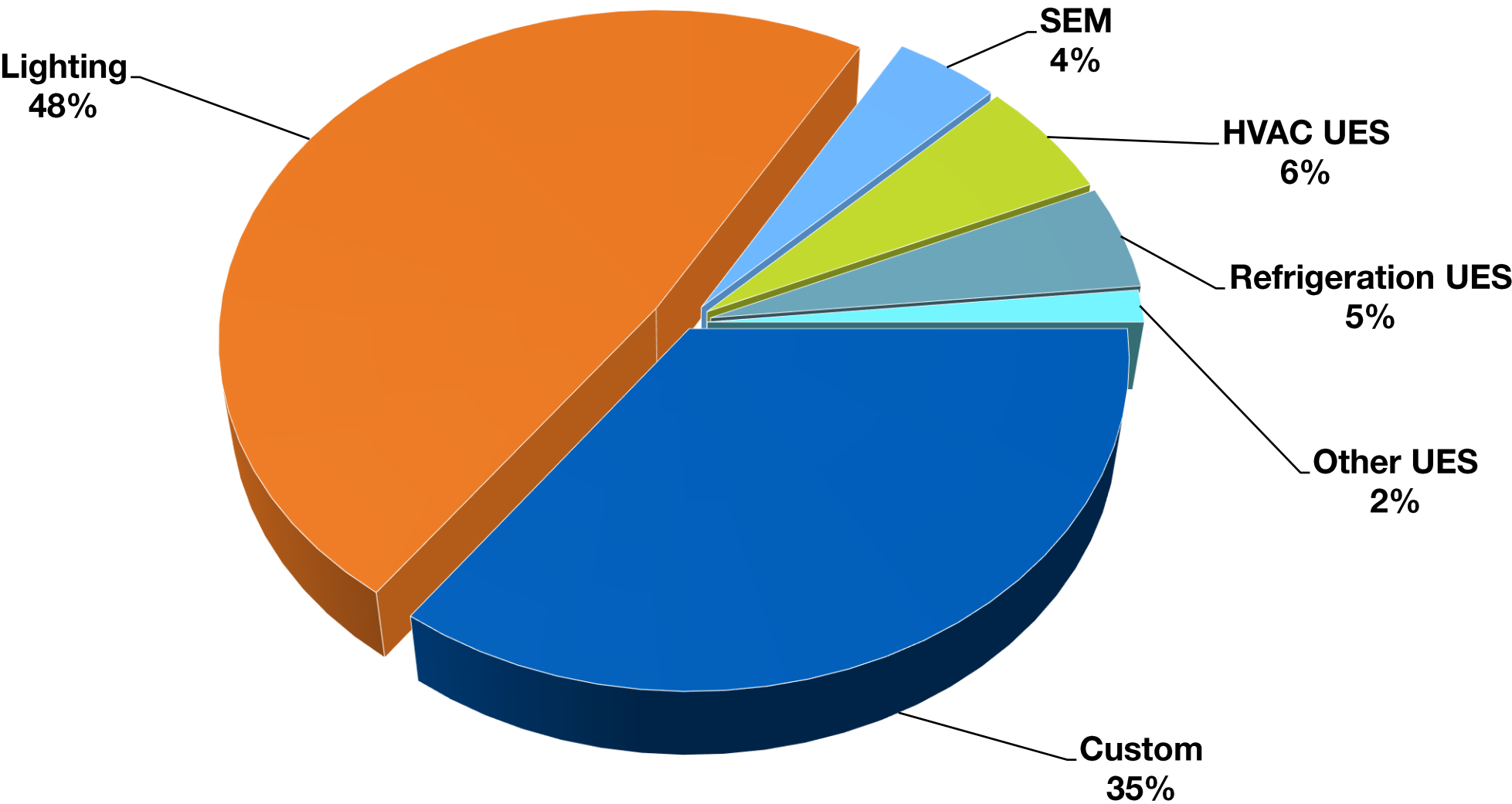
# Agenda

- FY 2024-2025 Rate Period Results.
- Nonresidential Lighting.
- Energy Management.
- UES Portfolio Highlights.



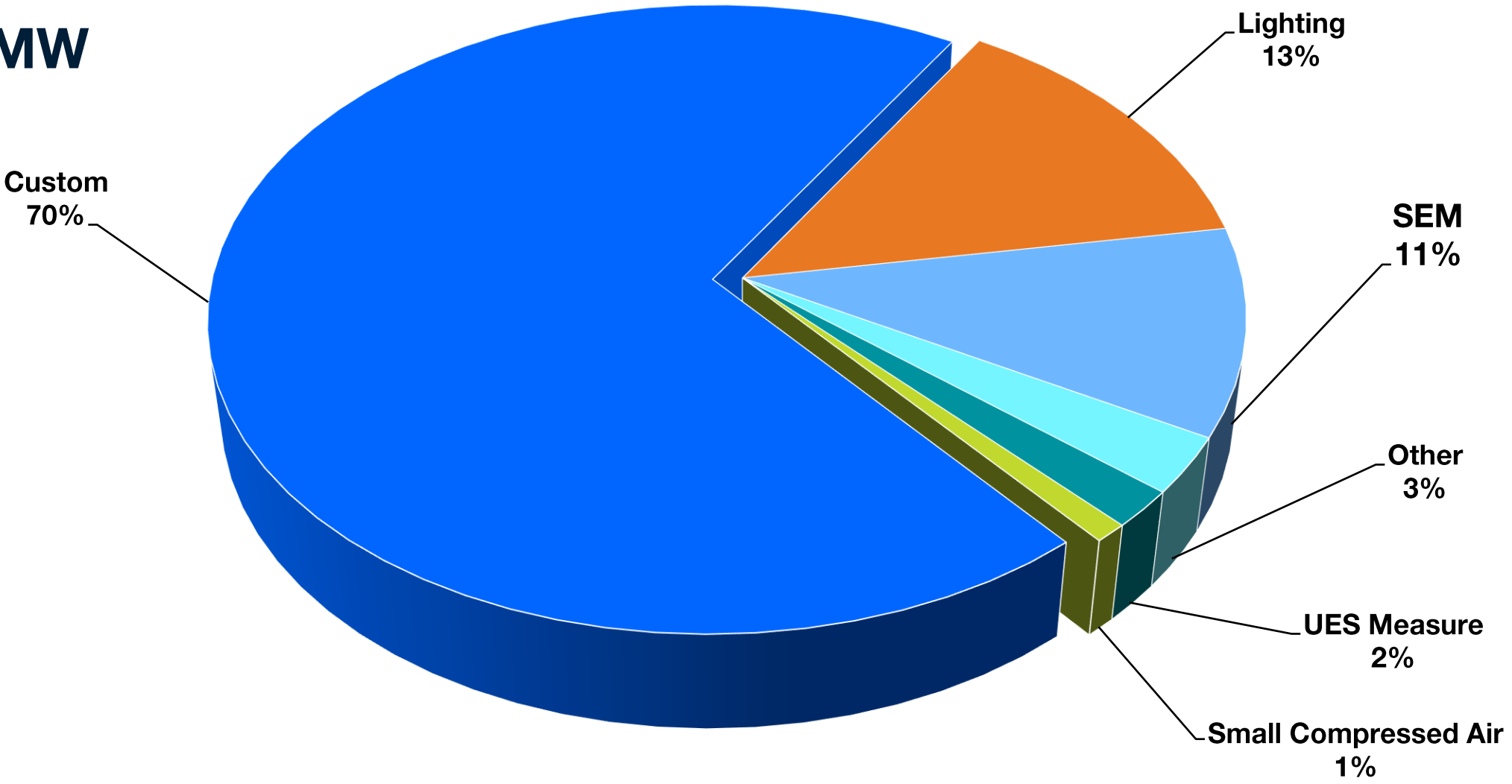
# FY 2024-2025 Commercial Savings

19 aMW



# FY 2024-2025 Industrial Savings

29 aMW



# Nonresidential Lighting



# FY 2026-2027 Incentives

| Measure Series                       | Allocation 24-25 | Allocation 26-27 |
|--------------------------------------|------------------|------------------|
| Series A: Small Lamp/Fixture         | \$2-5            | \$4-10           |
| Series B: LED Tubes (Type A)         | \$2              | \$4              |
| Series O: LED Tubes (Type B/C)       | \$8              | \$12             |
| Series C: LED General Indoor/Outdoor | \$20-\$210       | \$40-\$280       |
| Series D: LED High Bay               | \$80-\$620       | \$160-\$800      |
| Series E: LED Exterior               | \$30-\$500       | \$60-\$800       |
| Series F: HID Screw-in Replacement   | \$20-\$150       | \$40-\$300       |
| Series: G: LED Linear                | \$0.13           | \$0.25           |
| Series H: LED Exit Signs             | \$20             | \$30             |
| Series I: Signage                    | \$0.13           | \$0.25           |
| Series J: Decommissioning            | \$0.13           | \$0.25           |
| Series K: Non-standard Measures      | \$0.13           | \$0.25           |
| Series L: Controls                   | \$10-\$50        | \$20-\$200       |
| New Construction                     | \$0.13           | \$0.25           |

# FY 2026-2027 Program Changes

## Project Level Requirements

| Requirement                       | Allocation 24-25     | Allocation 26-27              |
|-----------------------------------|----------------------|-------------------------------|
| Minimum B/C Ratio                 | 0.5 for all projects | 0.5 for projects >200,000 kWh |
| Minimum Wattage Reduction (Retro) | 25%                  | 10%                           |
| Minimum Wattage Reduction (NC)    | 20%                  | 10%                           |

## Controls

- Removed Networked Lighting Controls option from ‘General Indoor/Outdoor’ and ‘High Bay’ fixture retrofit measures.
- Added Luminaire Level Lighting Control measure- Allows controls to qualify for deemed incentives even when fixture upgrade is non-standard or ineligible.

# Online Lighting Calculator

## Recent Changes

- New Allocation (RP\_FY26\_FY27) is now live.
- Admin access removed for all non-BPA users.
  - Contact [lighting@bpa.gov](mailto:lighting@bpa.gov) for new users and/or utility configurations.
- Project Summary Report runs automatically and accessible via Cloud.
- Measure Management area in Cloud is now read-only.
- Ability to transfer projects to trade allies via “Assign to Agency” function.
- Updated OLC User Manual (v3.3) released.

# Online Lighting Calculator

## Planned Changes

- Improve formatting of the Project Summary Report.
- Move Client Report to Cloud (like Project Summary Report).
- Re-create Utility Summary Report.
- Add option for multiple default rate schedules for each utility.



**Hancock Software**  
**Bonneville Power Administration**  
**MINT Production Support**

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**MINT Installation Page: updated 3-9-2025 5PM ET - build 1510 Production Build**

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 [Windows 11 64-bit standard install kit](#)

 [Windows 11 64-bit MSI for Managed Desktops](#)

 [Apple MacBook installation package](#)

[Hancock MINT \(Apple TestFlight\)](#)

[AppStore iPad/iPhone Public build 1472](#)

# Online Lighting Calculator

## Available Utility Configurations in OLC

- Contact Information.
- Default Energy and Demand Rates.
- Pass-through Incentive Amounts.
- Project Level Caps (Min B/C Ratio, Max \$/kWh, Max % Project Cost).

Reach out to [lighting@bpa.gov](mailto:lighting@bpa.gov) for support.

# Energy Management



# Energy Project Manager

- More than 7 aMW worth of savings reported at 25 Energy Project Management (EPM) commercial and industrial sites in FY 2024-2025.
- Eligible for \$1.24M in EPM payments on top of standard measure incentives.

**An EPM can improve project outcomes, timeline, and return on investment.**

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**Save** more energy and money by maximizing energy savings

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**Reduce** project implementation lead times

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**Develop** a pipeline of future energy efficiency project opportunities

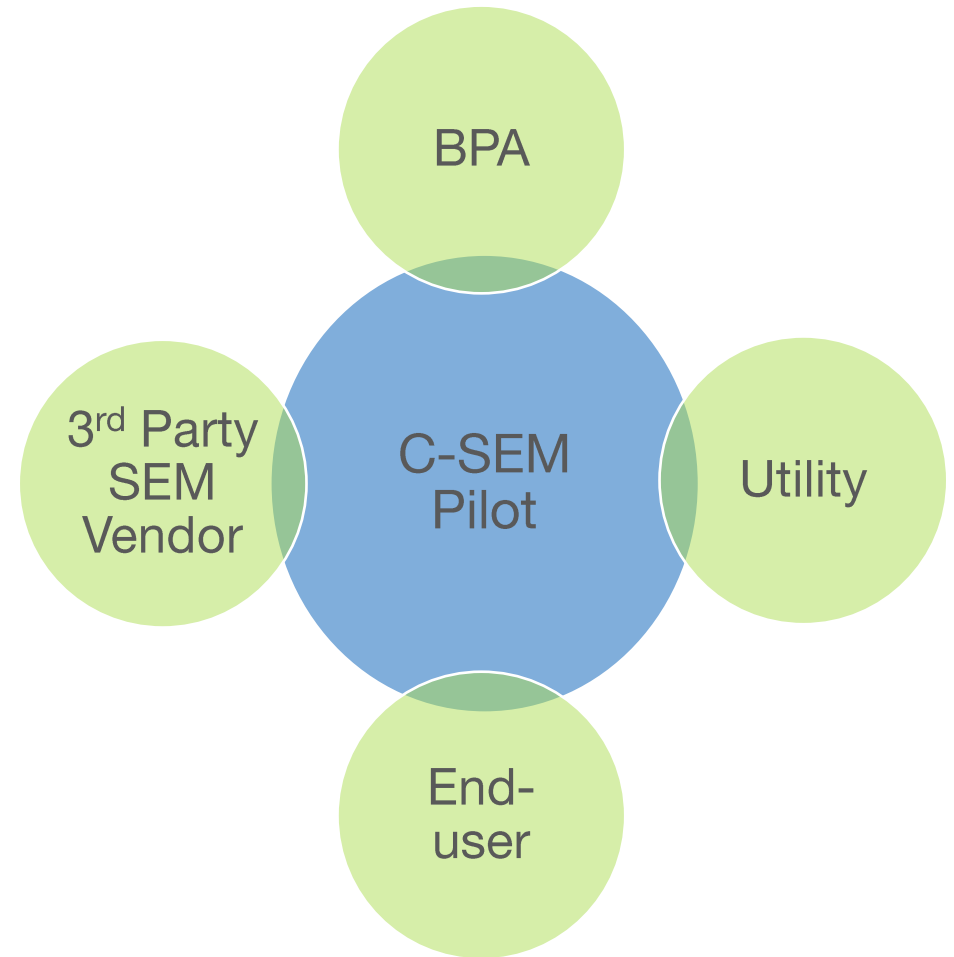
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**Earn** an EPM payment in addition to energy savings incentives for completed energy efficiency projects.

# Strategic Energy Management

- Strategic Energy Management (SEM) generated nearly 4 aMW in savings across 85 commercial and industrial sites in FY 2024/2025.
- First Quarter (Q1) FY 2026: BPA will be engaging USB and any interested utilities in providing feedback on a commercial SEM program pilot design.



# UES Portfolio Highlights



**Energy Efficiency  
Implementation Manual**  
2026-2027



# Commercial HVAC

1. Air-Source Heat Pumps.
2. Ductless Heat Pump (DHP).
3. Supply Air Fan Control.
  - a. Variable Frequency Drive (VFD) on Air-Handler Unit.
  - b. Advanced Rooftop Unit Control.
4. Heat Recovery Ventilators (HRV).
5. Package Terminal Heat Pumps (PTHP).
6. Connected Thermostats.
7. Variable Refrigerant Flow (VRF).
8. Demand Control Kitchen Ventilation.



- Equipment Measure
- Controls Measure

# Commercial Refrigeration

1. Case Door Retrofit.
2. Floating Refrigeration Controls.
3. ECM Evaporator Fans.
4. Evaporator Fan Controls (NEW).



- Equipment Measure
- Controls Measure

# Clean Water Pumps

- 1. VFD on Pumps.
- 2. Efficient Pumps.



- Equipment Measure
- Controls Measure



**Questions or Comments?**

# Time for a break!





# Custom Projects: Seeing Success, Addressing Barriers

## UTILITY ROUNDTABLES 2025

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# Agenda

**What is a Custom Project?**

**How to find Projects?**

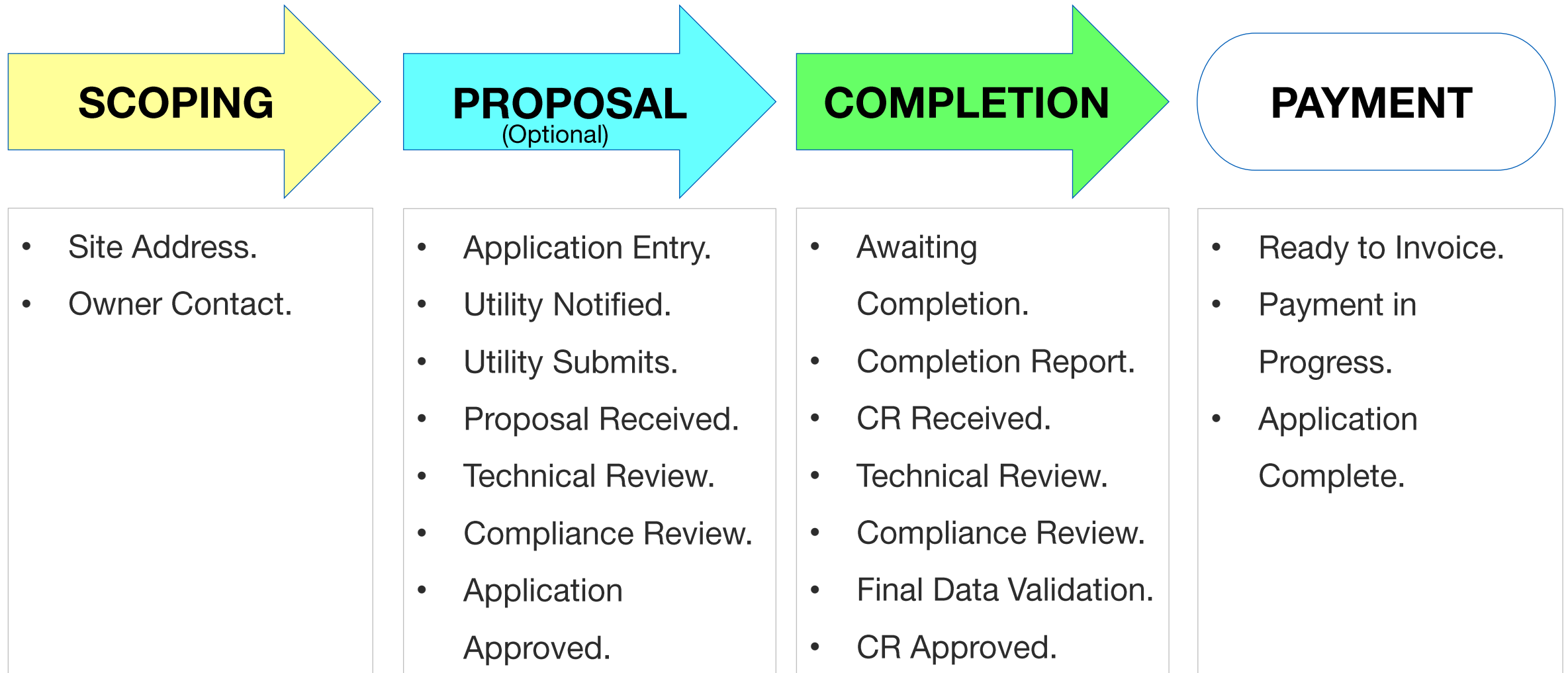
**Examples of Success**

**Questions and Discussion**

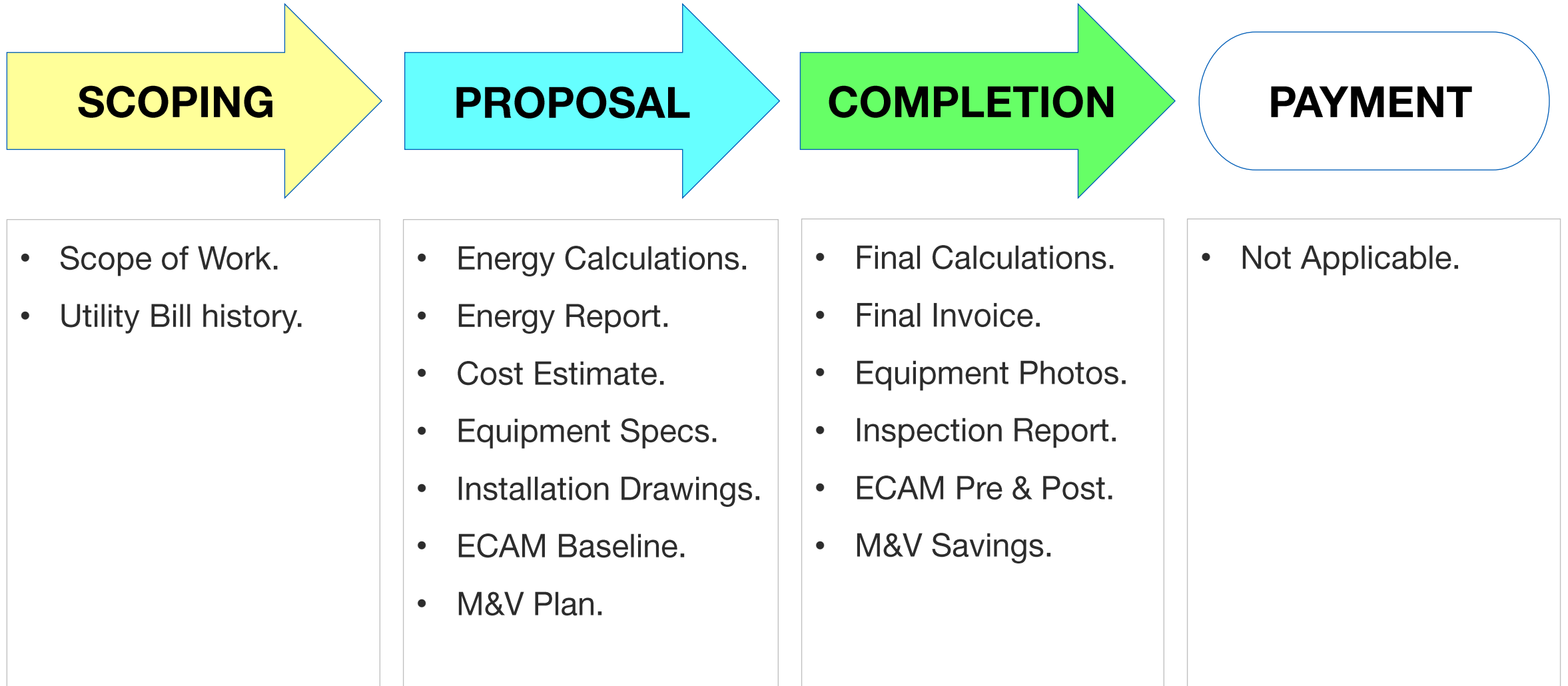
# What is a Custom Project?

- **Commercial sector projects that do not fall under a UES measure or Lighting**
  - Quantifiable energy savings
  - Cost Effectiveness
- **Incentive is calculated based on annual kWh savings**
  - Incentive rate (\$/kWh) varies according to measure life
- **Examples**
  - Air compressor replacement for an auto shop
  - HVAC retro-commissioning for office or school
  - UES Near Miss

# BEETS Workflow



# Documents



# Finding Projects

## Key Accounts

- Architects & Engineers: Retrofit, Renovation, New Construction.
- Building Owners: Municipalities, Universities, Healthcare.
- Building Permits & Planning Dept.
- Contractors: Mechanical, Electrical, Lighting, Refrigeration.
- Distributors & Vendors.
- Grocery: Albertsons/Safeway, Budderfly, CoolSys, DC. Engineering, Grocery Outlet, Taper Solutions, WinCo.
- Local News.



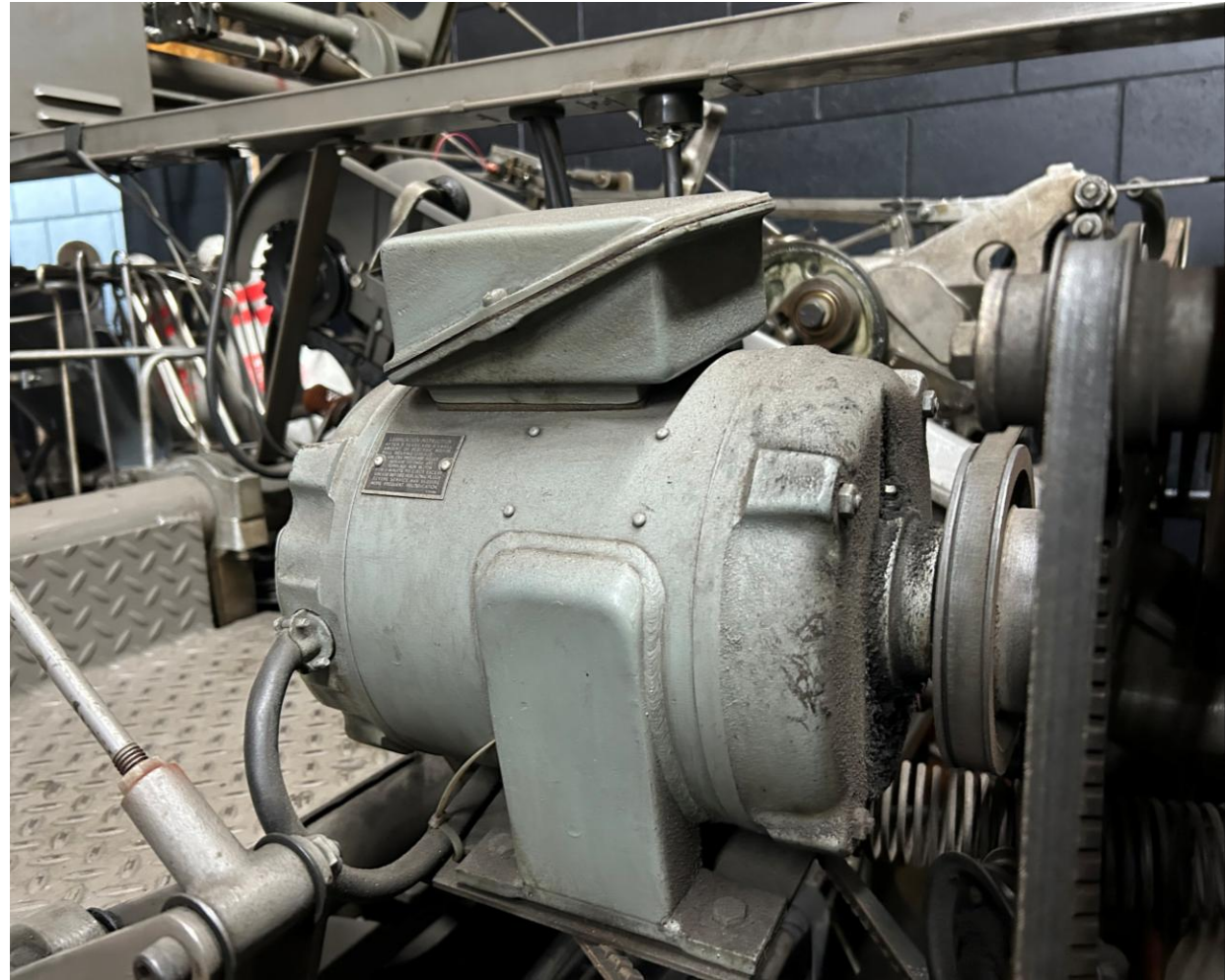
# Example – Bowling Alley Pinsetters

## Overview

- Retrofit of old, conventional pin-setting system with new high efficiency string-based system.
- Reduced energy consumption of pinsetters by 70%.



# Bowling Alley Pinsetters - Baseline



# Bowling Alley Pinsetters - Proposed



# Bowling Alley Pinsetters - Approach

## Savings Determination Approach

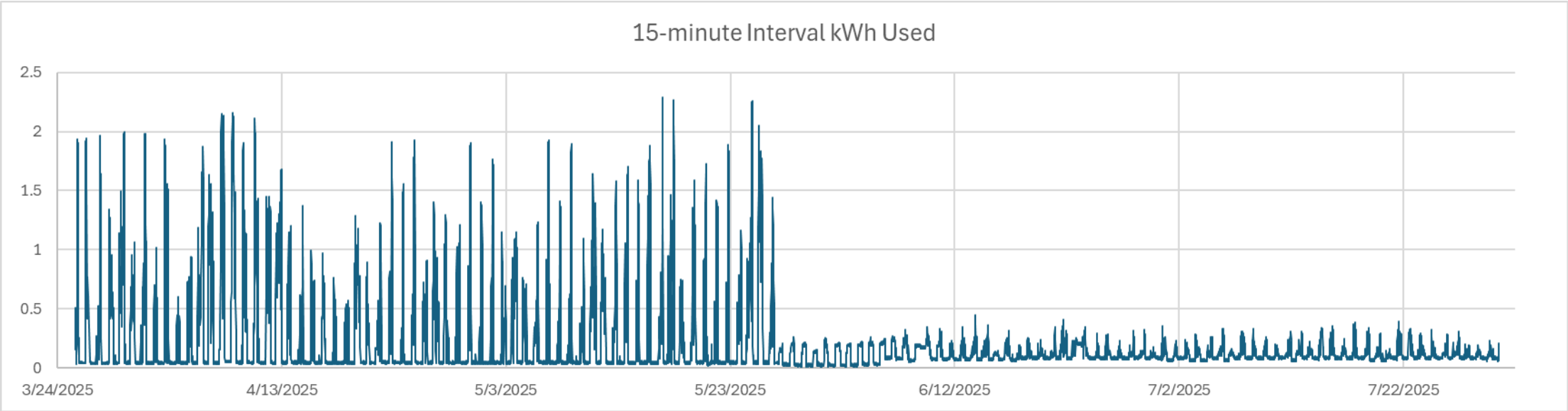
- Installed DENT logger on electrical panel that fed pinsetters.
- Measured energy usage for 7 weeks before and after install.
- Collected data on number of games played from business owner.
- Determined average energy per game played in baseline and post-install period.
- Extrapolated for a year based on typical total annual games played.



(Baseline energy per game - New energy per game) x Average # of games per year = Annual energy savings.

# Results

|               | Start    | End       | Games played | Energy Consumption [kWh] | Energy/game [kWh/game] | Annualized Energy Usage [kWh/year] |
|---------------|----------|-----------|--------------|--------------------------|------------------------|------------------------------------|
| Pre-install:  | 4/1/2025 | 5/26/2025 | 7526         | 1,704.68                 | 0.22651                | 16,534.88                          |
| Post-install: | 6/7/2025 | 7/31/2025 | 9363         | 613.46                   | 0.06552                | 4,782.98                           |
|               |          |           |              |                          | Energy Savings:        | 11,751.90                          |
|               |          |           |              |                          |                        | 71.1%                              |





**Questions or Comments?**

# Energy Smart Industrial Program Support

**Todd Toburen**

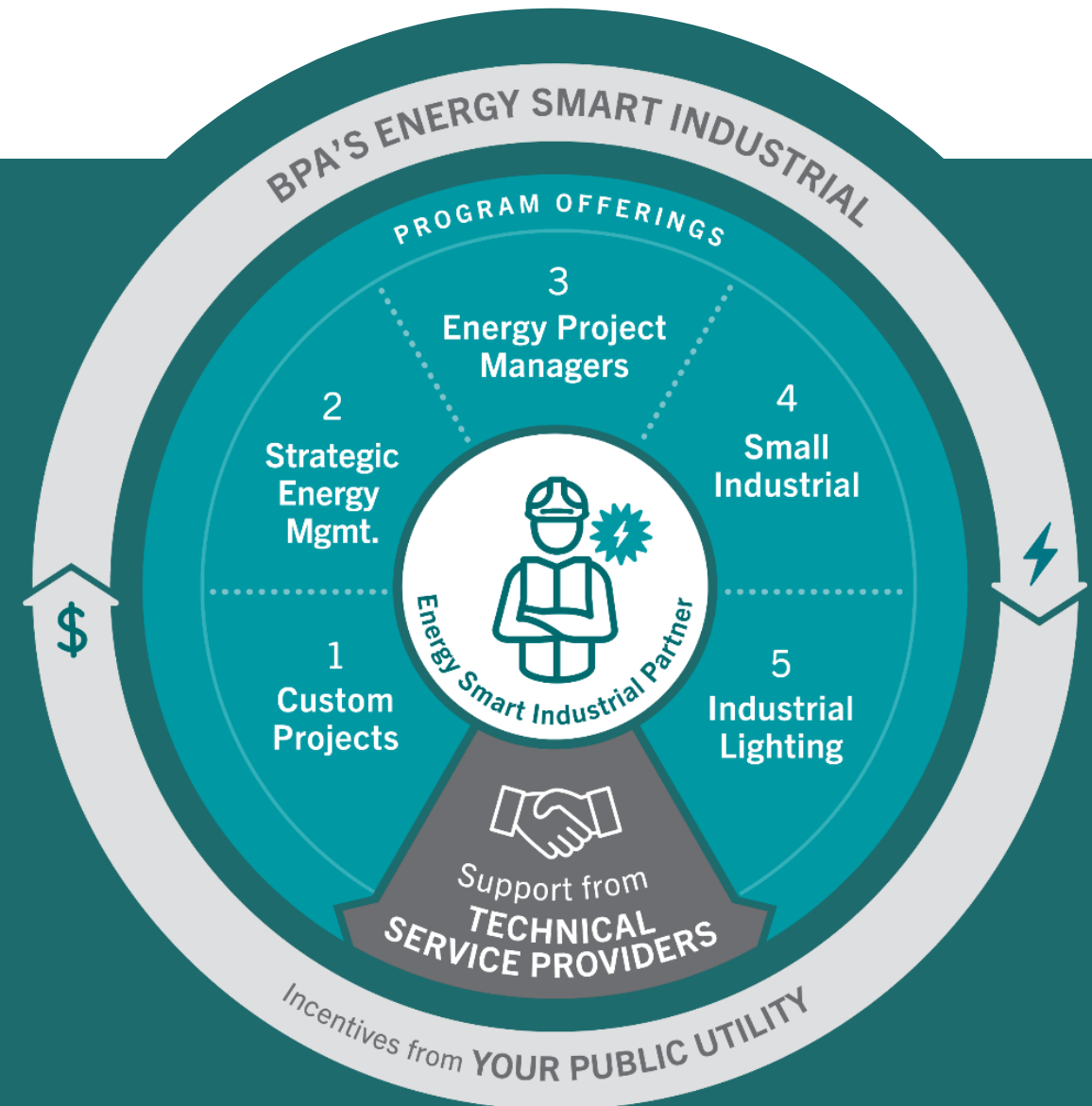
*Oct 22, 2025*



# What is the ESI Program?

Assists the public utilities and the industries of the Pacific Northwest with **ELECTRICAL** energy efficiency

- Provides technical expertise and cash incentives to implement energy efficiency projects
- Serves industries of all types, sizes, and budgets (including wastewater)
- The ESIP serves as a single point of contact for utilities and industries



# ESIP Territories

## Bill Kostich

*Western / SW  
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## Nosh Makujina

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## Henry Griffith

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## Todd Toburen

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## Christian Miner

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## Austin Rogers

*Central Washington,  
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O: 458.212.37040 | C: 425.417.8532  
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## Jeff Bernacki

*SW / South-Central Oregon,  
& NE California*

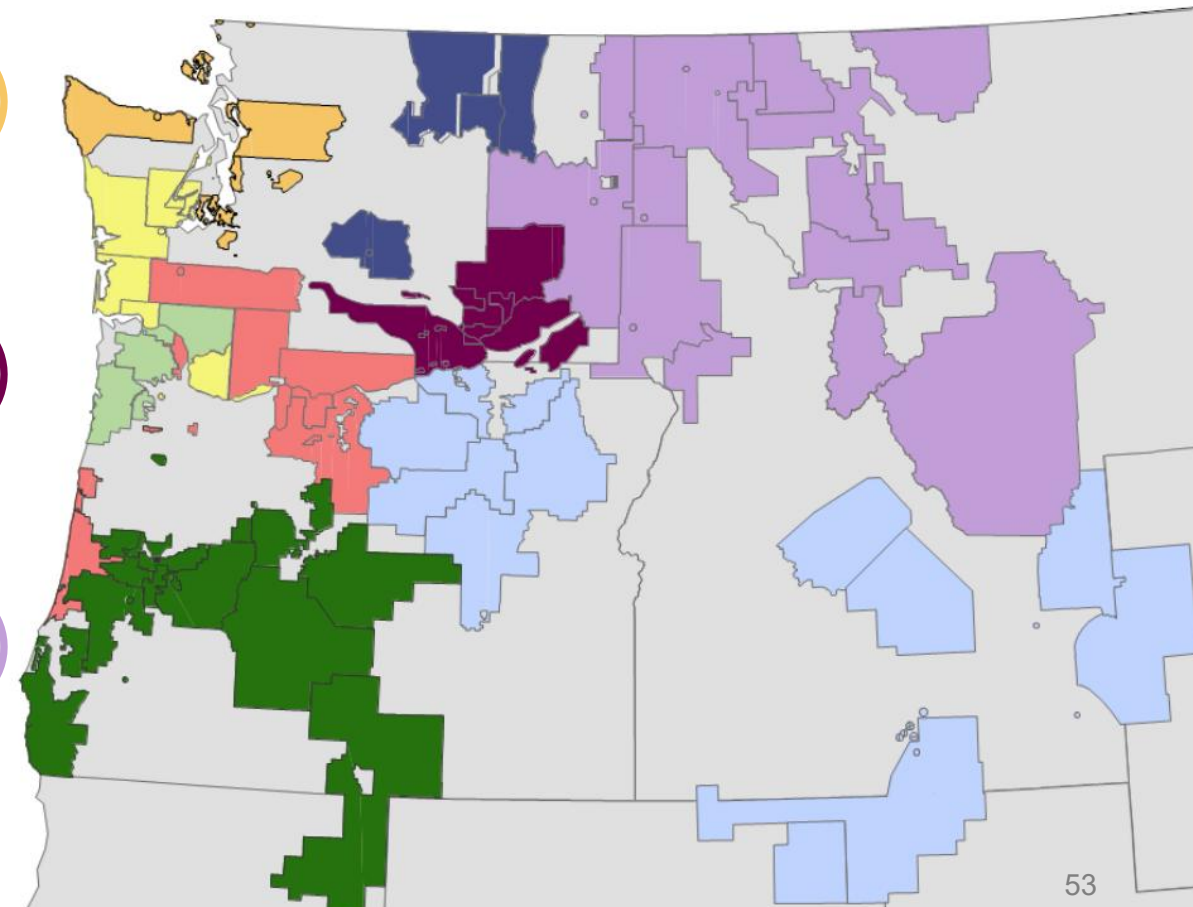
O: 458.215.0800 | C: 541.600.0959  
jeff.bernacki@energysmartindustrial.com



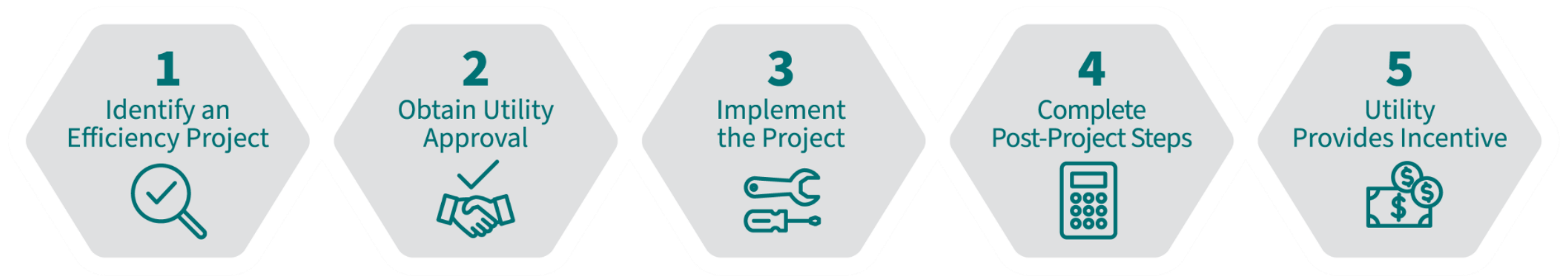
## Jimmy Sauter

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N Idaho, & W Montana*

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jimmy.sauter@energysmartindustrial.com



# ESI Custom Project Process



**#1 – Call us when you hear about an opportunity**  
**#2 – Share Customer List with ESIP**

# Clallam PUD - Makah Tribe - Native American Lumber Mill



# Port Angeles - Lakeside Industries Collaboration



# City of Ilwaco WWTP DO Upgrade – Pacific PUD

- **Dissolved oxygen (DO)** in WWTP aeration basins provides the necessary oxygen for aerobic microorganisms to break down organic waste in wastewater.
- **Dissolved oxygen (DO) probes** measure dissolved oxygen levels to control aeration equipment, ensuring the aerobic microorganisms have sufficient oxygen without wasting energy.
- Ilwaco WWTP upgraded their DO probes to reduce the time their aerators need to operate.
- The baseline system includes lower quality probes that were inaccurate and caused the aeration blowers to run more often than needed. Higher quality probes offered better DO control resulting in aeration blower time being reduced.
- Energy Savings – 84,675 kWh/yr
- Project Cost - \$25,578.48
- Utility Incentive - \$17,904.94

# Aeration Basin



# Ilwaco Aeration Blower



# Overcoming Barriers

- **Life isn't always sunshine and rainbows**
- **End users that have had bad past experiences**
- **Sites looking for incentives but projects don't qualify**
- **Sites that are reluctant to change**

## How do we get past this

- **Listen and lend assistance**
  - What are the site's interests and needs?
  - Can the utility or ESI help with their resources.
  - No doesn't mean "NO." It usually means "Not right now."

Thank you!



# Utility Roundtable Share Out

**What's on your mind? Please share or ask anything you like.**

- Recent successes?
- Concerns/challenges now or in the future?
- Future opportunities or areas to improve?
- What are you excited about?

# Utility Roundtable Share Out

- Lessons learned from end of rate period?
- What do you wish you knew?
- Additional support you may need from BPA?

# After Hours Networking

- No-host dinner and networking at  
**High Steel Beer Company**
- Located in downtown Shelton at  
233 S 1<sup>st</sup> St, Shelton, WA 98584



# Adjourn!



# Good Morning!

**Western Washington**  
**UTILITY ROUNDTABLES 2025**

Oct. 22-23, 2025





# Residential and Income Qualified Sector UTILITY ROUNDTABLES 2025

Oct. 22-23, 2025



# Agenda

- **Residential Sector Updates:**
  - Residential Accomplishments.
  - Rate Period IM Updates.
  - CRH Updates.
  - Residential Pipeline.
- **Income Qualified Updates.**
- **Discussion.**



# Residential Accomplishments

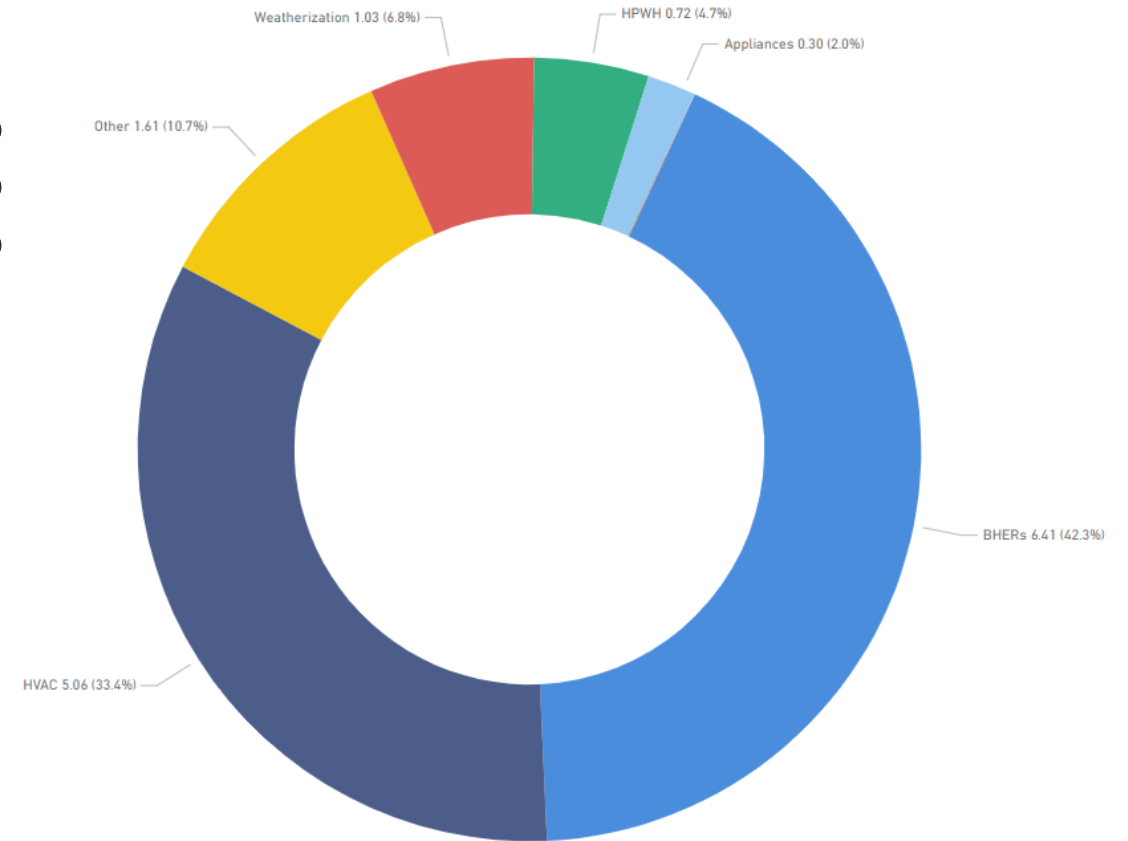
|                          | Savings (aMW) |              |                | Reimbursement       |                     |                 |
|--------------------------|---------------|--------------|----------------|---------------------|---------------------|-----------------|
|                          | BP22          | BP24         | % Change       | BP22                | BP24                | % Change        |
| <b>Total Residential</b> | <b>17.63</b>  | <b>15.14</b> | <b>-14.1%</b>  | <b>\$61,254,291</b> | <b>\$73,919,012</b> | <b>20.7%</b>    |
| <i>EI Only</i>           | <i>17.41</i>  | <i>14.29</i> | <i>-17.9%</i>  | <i>\$50,072,291</i> | <i>\$60,405,896</i> | <i>20.6%</i>    |
| <i>DFD</i>               | <i>0.01</i>   | <i>0.29</i>  | <i>2800.0%</i> | <i>\$75,486</i>     | <i>\$2,787,602</i>  | <i>3592.9%</i>  |
| <b>Low Income</b>        | <b>0.87</b>   | <b>1.98</b>  | <b>128.2%</b>  | <b>\$22,699,020</b> | <b>\$47,573,891</b> | <b>109.6%</b>   |
| <i>EI Only</i>           | <i>0.65</i>   | <i>1.33</i>  | <i>104.6%</i>  | <i>\$11,577,456</i> | <i>\$34,695,062</i> | <i>199.7%</i>   |
| <i>DFD</i>               | <i>0.0041</i> | <i>0.09</i>  | <i>2086.5%</i> | <i>\$15,050</i>     | <i>\$2,153,315</i>  | <i>14207.7%</i> |

# Residential Accomplishments continued

## Total Residential Savings FY 2024-2025

- Behavioral Home Energy Report (HER) = 42.3%
- Heating, ventilation, air conditioning (HVAC) = 33.4%
- Other\* = 10.7%
- Weatherization = 6.8%
- Heat Pump Water Heaters (HPWH) = 4.7%
- Appliances = 2.0%

\***Other** includes electric vehicles (EV) chargers, thermostats, new construction, and custom projects.



# Rate Period IM Updates

- Installed Cost requirement.
- *By Request* Distribution Channel removal.
- Energy Savings & Incentive Payments.
- Multifamily New Construction Qualified Programs List (QPL) update\* (*coming soon*).
- Unitary HPWHs– New Construction.
- Prime Window and Patio Door Replacement.
- Residential Custom Projects.



# Webinar on Reporting Residential Costs in BEETS

Webinar hosted on Oct. 2 covering guidance on reporting cost data and eligibility of income qualified repair costs has been posted on the [BPA Energy Efficiency's Presentation and Webinars homepage](#).



# New Guidance Document: Reporting Costs in BEETS

Posted in the  
[BPA Document Library](#) under  
“Residential”

Residential Sector

- [Guidance for Reporting Residential Costs in BEETS](#)

<https://www.bpa.gov/energy-and-services/efficiency/document-library>

B O N N E V I L L E P O W E R A D M I N I S T R A T I O N

Guidance for Reporting Residential Costs in BEETS

Version: 1.0

The [BPA Energy Efficiency Implementation Manual 2026-2027](#) refers to three types of costs in Section 11: Residential Sector. The purpose of this guidance document is to clarify these terms for Residential measures and how to report them in BEETS:

- Installed Cost
- Income Qualified Measure Cost
- Income Qualified Repair Cost

**Installed Cost**

Effective October 1, 2025, all BPA Residential Sector measures, except Income Qualified measures, require a dollar value be entered in the “Installed Cost” field of the Bonneville Energy Efficiency Tracking System (BEETS) (Column R in the UES Measure Upload Template). Additionally, BPA prefers, but does not require, additional detail in the “Wildcard” BEETS field about what types of cost(s) are included in the reported total cost (Column U in the UES Measure Upload Template). The installed cost data will help BPA better understand current market conditions and improve the design of incentive structures.

**Installed Cost may:**

- Include the actual or estimated cost of equipment for measure implementation.
- Include the actual or estimated cost of installation for measure implementation.
- Not include the cost of repairs completed to support the installation for the measure.

*Note for Income Qualified measures: The “Installed Cost” field is not required in BEETS; see next page for more detail on Income Qualified Measure and Repair Costs.*

While the Installed Cost field must be completed in BEETS, BPA recognizes it may be harder to get actual or estimated cost data for some measures. See **Table 1** below for which measures users may enter a value of \$0 if the actual or estimated installed cost is not available.

**TABLE 1: Installed Cost Field Can be Reported as \$0**

| BPA IM Section | Measure                                                            | Type | BEETS Wildcard Field (Optional for All)      |
|----------------|--------------------------------------------------------------------|------|----------------------------------------------|
| 11.7.1         | New Northwest Energy Efficient Manufactured Housing (NEEM)         | All  | Equipment only or Equipment and Installation |
| 11.7.2         | Replacement of Pre-1976 Manufactured Home with NEEM Certified Home | All  | Equipment only or Equipment and Installation |
| 11.7.3         | Single-Family New Construction Performance Path                    | All  | Equipment only or Equipment and Installation |
| 11.7.4         | BPA Energy Efficient New Multifamily Construction (BPA-Qualified)  | All  | Equipment only or Equipment and Installation |
| 11.7.5         | BPA Zero Energy Ready New Multifamily Construction (BPA-Qualified) | All  | Equipment only or Equipment and Installation |
| 11.9           | All Income Qualified Measures                                      |      | Installed Cost Field Optional                |



ADMINISTRATION

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for all Income Qualified measures will be applied to this field. Users may, but it is not required.

Income Qualified Measures, including equipment, labor, verification of equipment, and moisture barriers.”

for all Income Qualified measures reported, please enter \$0. For guidance on the [BPA IM Document Library](#).

# *By Request* Distribution Channel

- **Removed “By Request” Measure Distribution Channel.**
  - 11.3.1 ENERGY STAR Level 2 Networked Electric Vehicle Chargers.
  - 11.4.1 Thermostatic Shut-Off Valves (TSV).
  - 11.6.3 Advanced Smart Thermostats.
  - 11.8.7 Door Sweeps.



# Energy Savings and Incentive Payments

| Measure# | Measure Name                                                                                            | Previous Payments | New Payments       |
|----------|---------------------------------------------------------------------------------------------------------|-------------------|--------------------|
| 11.2.1   | Clothes Washers                                                                                         | \$25-\$100/unit   | \$36-\$125/unit    |
| 11.4.2   | Unitary Heat Pump Water Heater – 40 gallon (BPA-Qualified)                                              | \$700/unit        | \$1400/unit        |
| 11.4.3   | Unitary Heat Pump Water Heater – 50 gallon (BPA-Qualified)                                              | \$800-\$900/unit  | \$1600-\$1800/unit |
| 11.4.4   | Split-System Heat Pump Water Heater                                                                     | \$1100/unit       | \$2200/unit        |
| 11.5.1   | Ductless and Ducted Mini-Split Heat Pumps                                                               | \$800/unit        | \$920/unit         |
| 11.5.2   | Air-Source Heat Pump Conversion from Electric Forced-Air Furnace to Air-Source Heat Pump                | \$1000/unit       | \$1250/unit        |
| 11.5.3   | Air-Source Heat Pump Conversion from Electric Forced-Air Furnace to Variable-Speed Air-Source Heat Pump | \$1200/unit       | \$1560/unit        |
| 11.5.4   | Variable-Speed Air-Source Heat Pump Upgrade                                                             | \$200/unit        | \$600/unit         |
| 11.8.2   | Prime Window and Patio Door Replacement                                                                 | \$6-\$16/sf       | \$8-\$20/sf        |

# Energy Savings and Incentive Payments

| Measure# | Measure Name                                               | Previous Busbar Savings   | New Busbar Savings        |
|----------|------------------------------------------------------------|---------------------------|---------------------------|
| 11.2.1   | Clothes Dryers                                             | 191.13 kWh – 517.09 kWh   | 253.03 kWh - 569.29 kWh   |
| 11.4.3   | Unitary Heat Pump Water Heater – 50 gallon (BPA-Qualified) | 1470.72 kWh – 1856.62 kWh | 1528.92 kWh – 2063.51 kWh |
| 11.5.1   | Ductless and Ducted Mini-Split Heat Pumps                  | 953.83 kWh – 3251.30 kWh  | 545.28 kWh - 3248.14 kWh  |
| 11.5.9   | Duct Insulation                                            | 1.53 kWh – 1.58 kWh       | 2.46 kWh - 3.53kWh        |
| 11.6.2   | Communicating Line Voltage Thermostats                     | 80.00 kWh                 | 79.52 kWh - 80.43 kWh     |
| 11.8.1   | Insulation ( <i>Including Exterior Insulated Doors</i> )   | 0.06 kWh – 4.54 kWh       | 0.06 kWh - 4.07 kWh       |
| 11.8.2   | Prime Window and Patio Door Replacement                    | 7.72 kWh – 18.16 kWh      | 8.00 kWh - 23.4 kWh       |
| 11.8.3   | Low-E Storm Windows                                        | 6.94 kWh – 16.29 kWh      | 8.42 kWh – 21.48 kWh      |
| 11.8.5   | Air Sealing                                                | 0.26 kWh – 0.27 kWh       | 0.37 kWh                  |

# Multifamily New Construction QPL Update

- **Updated Qualified Programs List.**
  - 11.7.4 BPA Energy Efficient New Multifamily Construction (BPA-Qualified).
  - 11.7.5 BPA Zero Energy Ready New Multifamily Construction (BPA-Qualified).
- **Based on updated analysis on state codes and voluntary new construction certification program requirements.**
- **New Approach to “locking-in” qualified program.**
  - Building Construction Permit Date.

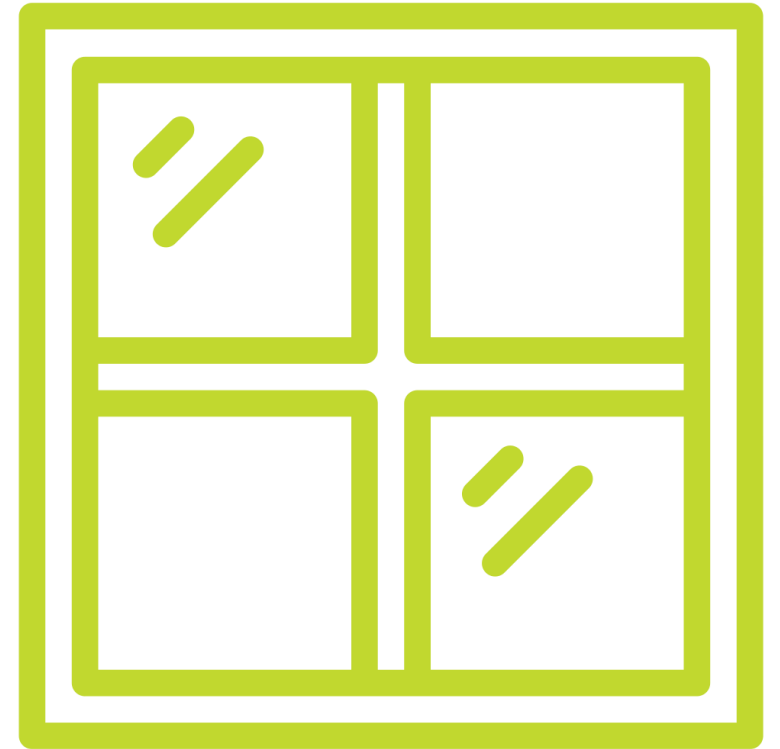
# Unitary Heat Pump Water Heaters – New Construction

- HPWH in new construction now allowed in Montana, Wyoming, Idaho, California, Utah, and Nevada.
  - 11.4.2 Unitary Heat Pump Water Heater – 40 gallon (BPA-Qualified).
  - 11.4.3 Unitary Heat Pump Water Heater – 50 gallon (BPA-Qualified).
- Not available in Oregon or Washington.



# Prime Window and Patio Door Replacement

- **Removes Double-Pane Pre-condition “metal frame only.”**
  - 11.8.2 Prime Window and Patio Door Replacement.

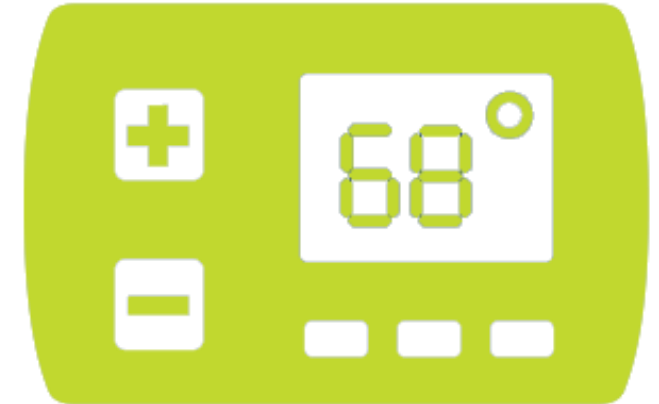


# Residential Custom Projects

- **BPA does not develop energy savings estimates** for new multifamily construction custom projects that address multiple end uses or whole building measures.
- **BPA may develop energy savings estimates** for custom projects that address a single targeted end use, (e.g., central heat pump water heaters).
- **For the whole-building analyses**, customers may either leverage the UES measure BPA Energy Efficient New Multifamily Construction or develop and submit a custom project per Section 4 of the Implementation Manual using their own resources.

# Residential Pipeline

- High-Performance High-Capacity Heat Pump Research.
- Room Heat Pumps.
- Cold Climate Heat Pumps.
- Combination (Combi) Systems.
- Central Heat Pump Water Heaters.
- Low Profile (Low Boy) Heat Pump Water Heaters.
- Heat Recovery Ventilation (HRV).
- Behavioral Home Energy Reports (alternative approaches).





**Questions or Comments?**

# Income Qualified Offerings



# Income Qualified Updates

- Snapshot of increased uptake.
- Name change is official.
- Income qualifying multifamily units.
- Workgroup.
- Income qualified repair cost reference table.
- Updated resources.



# Increased Uptake

FY 2024 had the highest number of utilities that have claimed Low Income measures within the last three rate periods!

| Fiscal Year | # of Utilities |
|-------------|----------------|
| FY 2018     | 46             |
| FY 2019     | 42             |
| FY 2020     | 37             |
| FY 2021     | 39             |
| FY 2022     | 37             |
| FY 2023     | 42             |
| FY 2024     | 50             |
| On Average: | 42             |

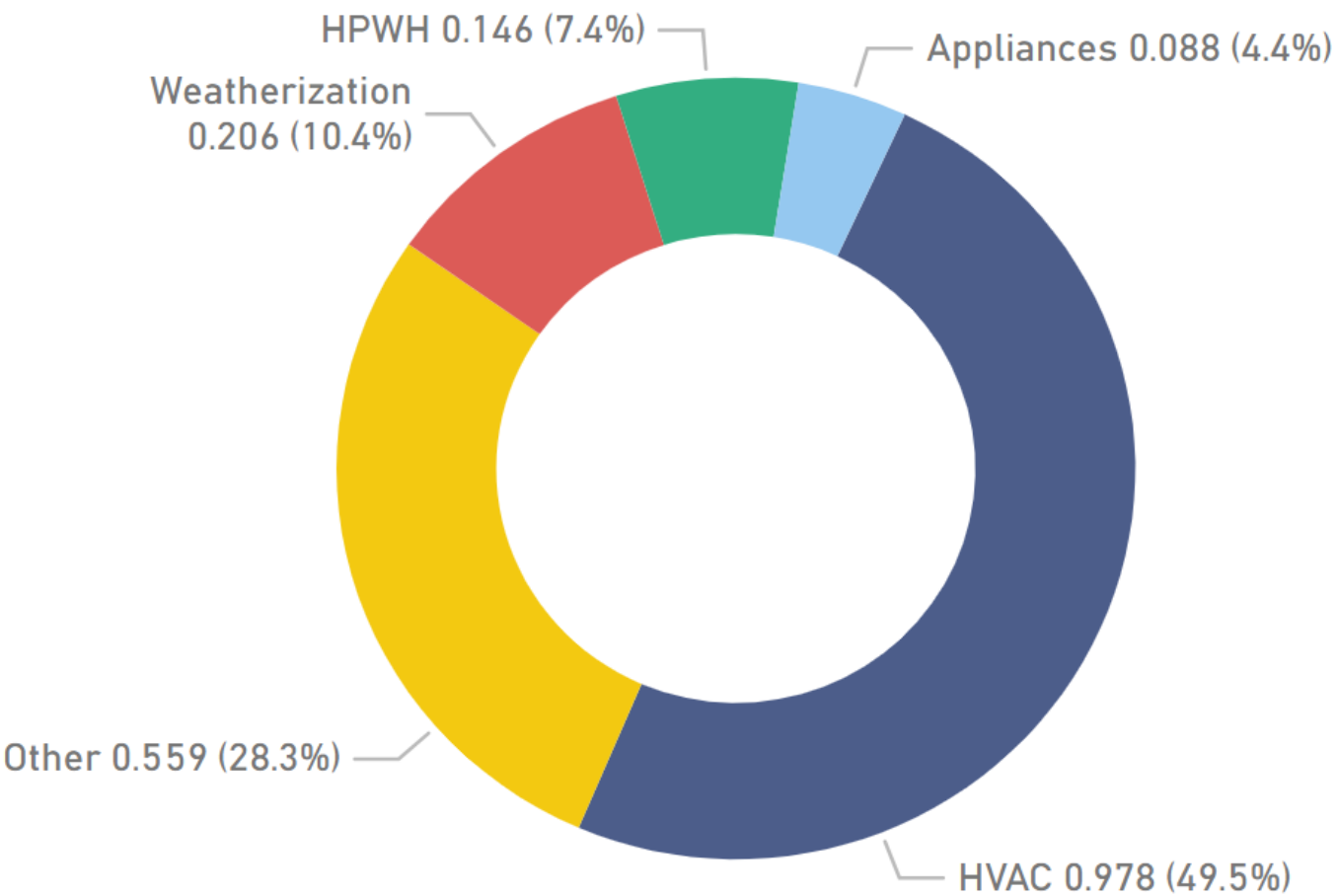
# Increased Uptake

- 230% increase in funding from FY22 to FY24.
- 124% increase in savings from FY22 to FY24.
- Most Popular measures: Heat Pumps, Insulation, and Appliances.
- **So far in FY25:**
  - Over 3,000 washers and dryers installed, more than double than FY24.
  - Over 1.7 million sq feet of insulation installed, which is 26 football fields worth!
  - Over 1,500 ductless heat pumps, nearly 600 ducted heat pumps, and 43 packaged terminal heat pumps installed.



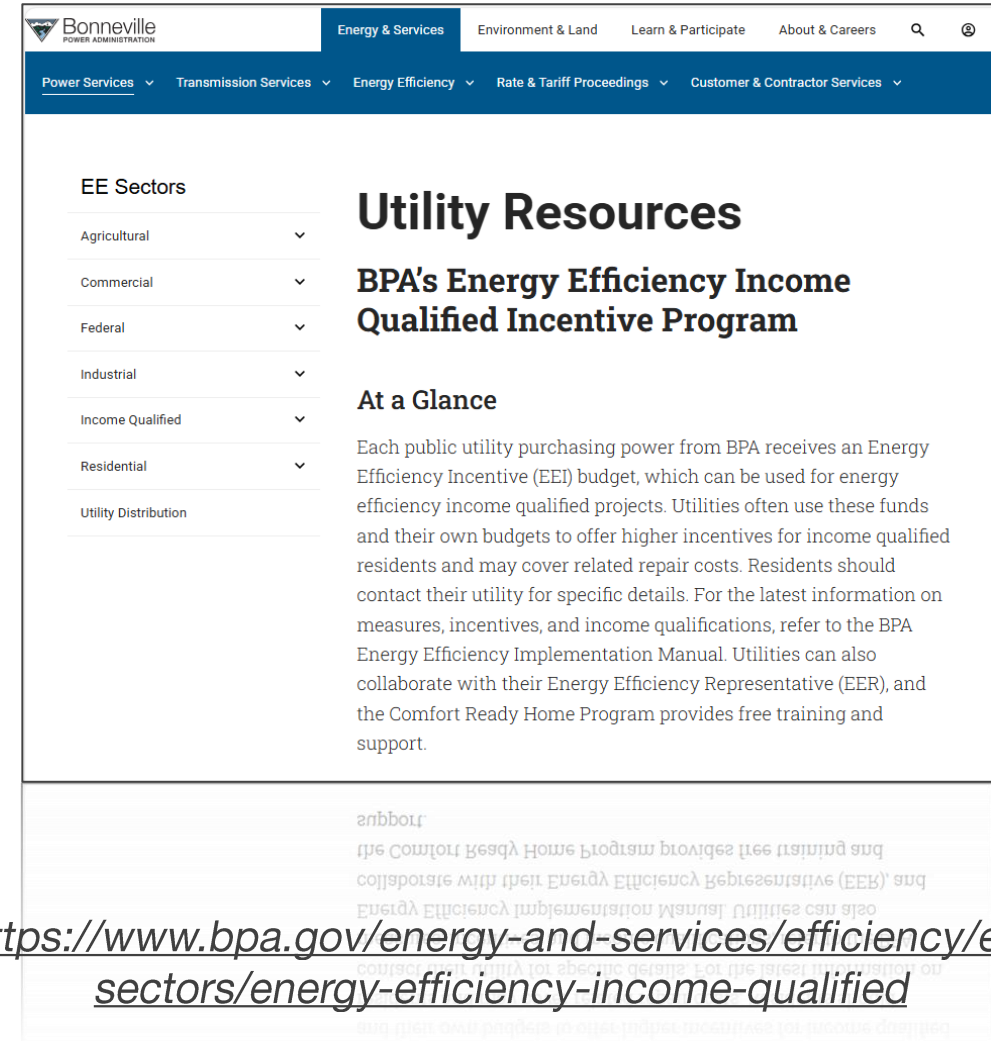
# Income Qualified Successes

Low-Income Residential Savings - aMW



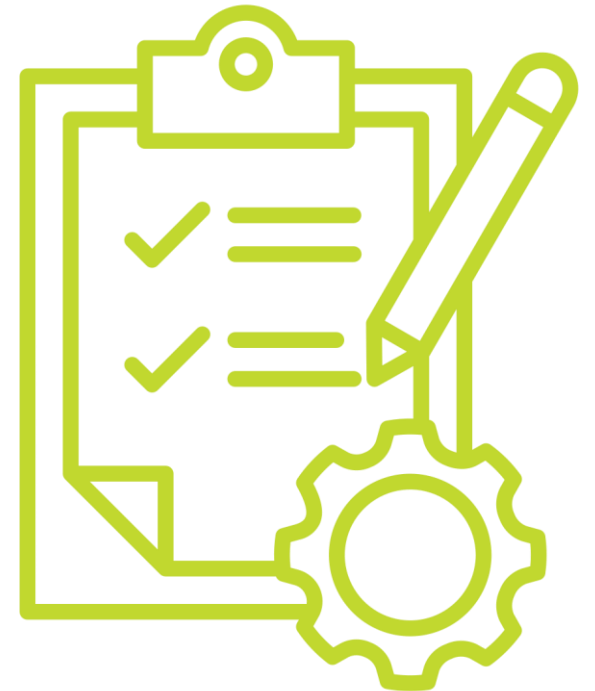
# Name Change is Implemented

Program name is officially changed from “**Low Income Energy Efficiency**” to “**Energy Efficiency Income Qualified (EEIQ).**” Some website links have changed as a result.



# Low Income Qualification Clarification

*“Household eligibility is based on gross income and is defined in the Federal Weatherization Assistance Program (WAP) as 200 percent of the poverty income levels. **Alternatively, approved statewide or tribal eligibility definitions may substitute for federally established income qualified levels, if available.**”*



# Income Qualifying Multifamily

Clarification added in the IM that you can income qualify and serve a single multifamily unit without having to serve and income qualify the entire building.

- Clarifying an existing policy.
- If needing to serve the whole building, utilities can still income qualify at least 50% of the units.



# Highlighted Changes Effective Oct. 1

- Requiring two fields when entering projects in BEETS.
- Disallowing cost coverage of full roof replacements.
- Implementing new policy for repair cost coverage.
  - For an income qualified project with a measure cost of \$1,000 or higher, related repair costs will be capped at 300% of the reported income qualified measure cost.

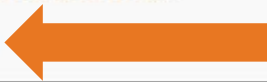


# New Reference Document: IQ Repair Costs

Posted in the  
[BPA Document Library](#) under  
“Residential”.

## Income Qualified

- [Income Qualified Project Information Form + Income Verification \(Optional – Customizable Word Document\)](#)
- [Income Qualified Project Information Form + Income Verification \(Optional – Fillable PDF\)](#)
- [Income Qualified Eligibility Form \(Optional\)](#)
- [Repair Cost Reference Table](#)



(<https://www.bpa.gov/energy-and-services/efficiency/document-library>)

BONNEVILLE POWER ADMINISTRATION

Income Qualified Repair Cost Reference Table

Version: 1.0

This document is intended to help identify the types of income qualified project costs that may be eligible or ineligible for payment. **This list is not comprehensive.** If other types of costs not referenced on this list are in question, customer utilities may contact their energy efficiency representative for further clarification. **This list will be updated as needed.**

Note that not all Income Qualified measures allow for reimbursement of repair costs. Please see section 11.9 in BPA's [Energy Efficiency Implementation Manual 2026 - 2027](#) for more guidance on which measures are eligible for repair costs.

**Income Qualified Repair Costs**

For income qualified projects, related repair costs must be directly associated with the installation of the measure, either for health and safety reasons or to ensure the measure's effectiveness. When asked by a utility or implementer, BPA may determine what repairs are eligible. However, it is at the discretion of the customer utility to spend their EEI to cover repair and measure costs.

Customer utilities must list repair costs separately from measure installation costs on the contractor invoice and must also report them separately in BEETS. For more guidance on reporting Residential measure costs, please reference the document titled "Guidance for Reporting Residential Costs in BEETS" in the [BPA Document Library](#).

**Repair Cost Payment Cap**

Effective October 1, 2025, for income qualified projects with a measure cost of \$1,000 or higher, related repair costs will be capped at 300% of the reported income qualified measure cost.

**Cost Examples & Guidance**

Below are some examples of repair and measure costs that BPA has previously provided guidance on. Included are examples already listed in section 11.9 in BPA's [Energy Efficiency Implementation Manual 2026 - 2027](#).

| Task                                                                                       | Repair Cost Directly Related to Installed Measure                                                                          | Measure Cost Directly Related to Installed Measure                         |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Removing a dead animal for income qualified insulation.                                    | Allowed (e.g., animal is within the wall or crawlspace being worked on)                                                    | Allowed                                                                    |
| Plumbing-related repairs.                                                                  | Allowed, so long as it relates to or is impacted by the installed measure.                                                 | Allowed, so long as it relates to or is impacted by the installed measure. |
| Rewiring in income qualified home receiving wall insulation that has knob and tube wiring. | Allowed                                                                                                                    | Allowed                                                                    |
| Bringing unsafe electrical wiring up to code.                                              | Allowed, as long as the work and upgrade are only done on the circuit affected by the income qualified efficiency measure. | Allowed                                                                    |



(example from IM)

TRATION

Page | 2

Measure Cost Directly Related to Installed Measure

Allowed for attic, floor, and wall insulation.

Allowed

Allowed for prime windows, patio doors, low-E storm windows, and exterior insulated doors.

Allowed, for whole house and prescriptive air sealing.

Allowed

Allowed

Allowed

Allowed

Allowed

Allowed, for all three types of heat pump water heaters.

Removal of the old PTHP system is a measure cost.

Allowed, for residential packaged terminal heat pumps

Allowed for ductless or ducted heat pumps.

Allowed, for ductless heat pumps.

Allowed, for ducted heat pumps.

ATION

Page | 3

Cost Directly Related to Installed Measure

prescriptive duct sealing.

duct insulation.

health and safety reasons.

for commercial heat pumps.

commercial air-heat pumps.

Allowed

as a measure cost

as a measure cost

# Recorded Webinar: Repair Cost Reference Table

Hosted webinar on October 2, 2025 covered:

- IQ measure cost vs. install cost.
- Reporting IQ measure and repair costs.
- Repair cost cap policy.
- Eligibility of tasks as repairs vs. install costs.
- Nuances of repair costs.
- Presentation slides and webinar are posted in the [EE Presentations and Webinars](#).



# Energy Efficiency Income Qualified Regional Workgroup

## Last meeting held Oct. 6, 2025.

- Hosted three times a year.
- Winter meeting date to be determined.
- Presentations and facilitated discussions.
- Selected Steering Committee.
- Posted on [Income Qualified Page](#).
  - Agendas and Resources from Previous Meetings
  - Workgroup Charter.
  - Discussion Topic Reference List.
  - Resources from previous meetings.

**Structure and Organizing Principles:**  
BPA Northwest Energy Efficiency Income Qualified  
Workgroup  
(Amended October 2025)

**Mission**

The BPA Northwest Regional Energy Efficiency Income Qualified Work Group is a venue for utilities, community action agencies, state agencies, advocates, and other organizations to come together to share information and develop best practices in order to improve access to energy efficiency services across the Northwest for income qualified residents.

**Background**

This Workgroup initially began in response to the BPA Post-2011 Review. The structure was largely undefined by the Post-2011 Review, leaving BPA to take the initiative to move this forward.

**Objectives**

- Provide a venue for utilities, advocates, and other organizations working to support income qualified programming within the Northwest to collaborate.
- Increase shared knowledge of CAP and utility business activities to improve collaboration.
- Find simple solutions to streamlining program implementation between organizations including but not limited to CAPs, utilities, and Community Based Organizations (CBOs).
- Identify barriers and solutions to increasing access to Energy Efficiency programs.

**Workgroup Structure**

**Meeting Cadence & Duration**

The intent of this workgroup is to convene at least three times a year or quarterly, as staffing resources are available. The length of each individual meeting will take into account content, location, and time of year.

BPA commits to facilitation of this group for one year at a time. If it is determined that BPA cannot perform this function adequately or the scope is too broad for the Workgroup to function effectively and efficiently, BPA may decide to discontinue facilitation or adjust the scope.

**Facilitation**

BPA will provide a facilitator. A steering committee will provide guidance as requested by BPA ([see below for more details](#)).

- Primary Coordinator: BPA Energy Efficiency Income Qualified Program Manager
- Back-Up Facilitator: BPA Energy Efficiency Program Support

Structure & Organizing Principles | BPA Northwest Energy Efficiency Income Qualified Workgroup | Page 1

**Discussion Topic Reference List:**  
Income Qualified

expressed interest in discussing in the  
is not organized in any particular  
the Qualified program team felt it  
e and organizations implementing

eed with helping to prioritize this  
rkgroup. This list will be added to  
discussions.

implementation structure are all

l, and Other Guidelines)

Fuel Switching

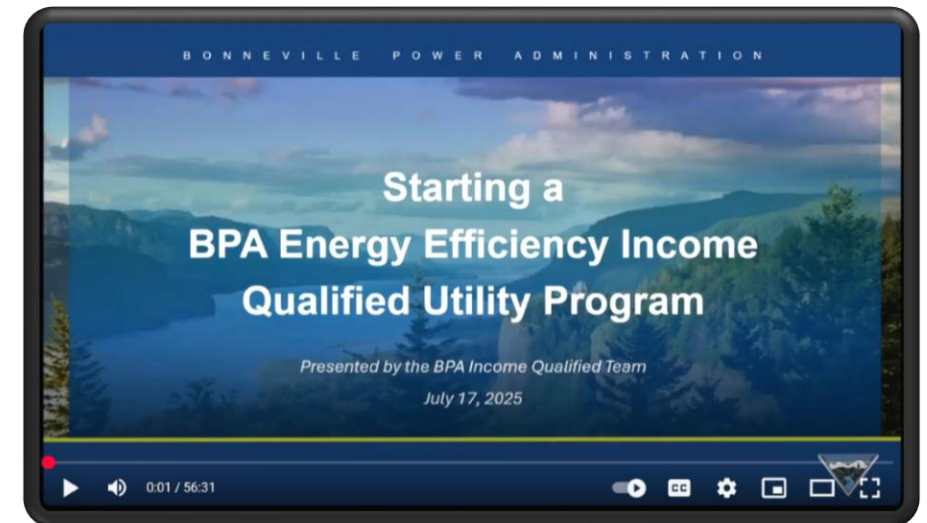
- Utility and CAP Partnership Development
- Contractor and CAP Partnership Development
- Collaboration of Program Sharing

Click on each page to access the documents online.

# Recorded Webinar: Starting an EEIQ Program

Recorded webinar from July 17, 2025 covering:

- Basics of starting an EEIQ Program.
- Available measures and documentation.
- Claiming repair costs.
- Outreach and coordination.
- Income qualification.
- Presentations from two utilities.



[EE Presentations and Webinars](#)

[Presentation Slides](#)

[Recorded Webinar](#)

# Updated Income Qualified Program Resources

- [BPA Energy Efficiency Income Qualified Homepage.](#)
- [Income Qualified Optional Form and Income Verification Template](#) (*customizable*).
- [Income Qualified Repair Cost Reference Table.](#)
- *Coming Soon:*
  - *Updated Income Qualified Quick Start Guide.*
  - *Tribal Grant Application and Supporting Materials.*

## Document Library

### Residential Sector

- [Guidance for Reporting Residential Costs in BEETS](#)

### Income Qualified

- [Income Qualified Project Information Form + Income Verification \(Optional – Customizable Word Document\)](#)
- [Income Qualified Project Information Form + Income Verification \(Optional – Fillable PDF\)](#)
- [Income Qualified Eligibility Form \(Optional\)](#)
- [Repair Cost Reference Table](#)



**Questions or Comments?**

# Thank you!

**Jonathon Belmont**

Residential Sector Lead

**[jmbelmont@bpa.gov](mailto:jmbelmont@bpa.gov)**

**Amy Burke**

Income Qualified Lead

**[aaburke@bpa.gov](mailto:aaburke@bpa.gov)**



# Program Overview

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October 2025



Comfort Ready Home is funded by Bonneville Power Administration and Northwest Utilities.





**ComfortReady  
HOME**



Homeowners

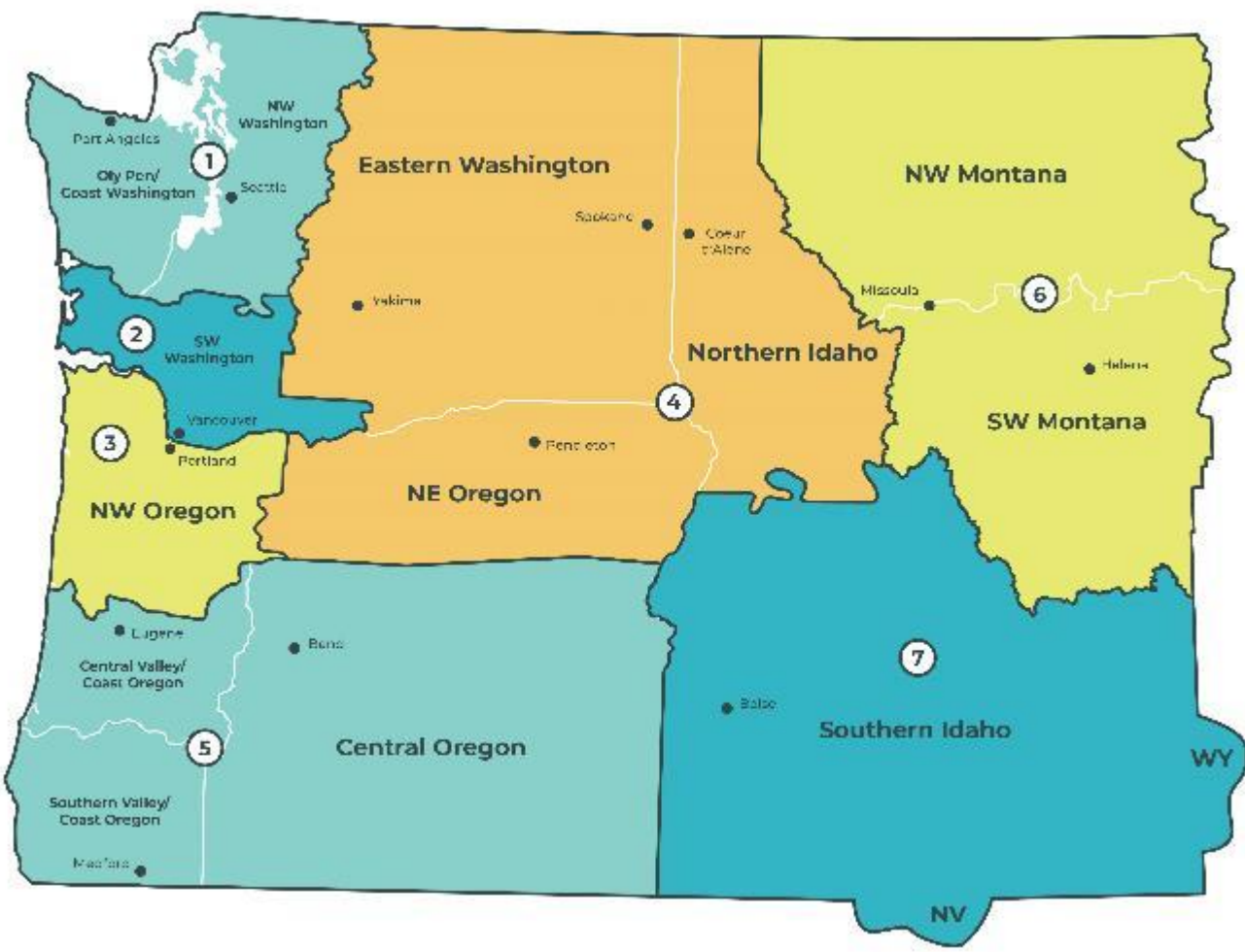


Contractors



Utilities

# Comfort Ready Home | Field Team



**1**  
**Miesha Yagle**  
NW Washington  
Olympic Peninsula



**2**  
**Nick Phillips**  
SW Washington



**3**  
**John DeLance**  
NW Oregon



**4**  
**Aaron Lazelle**  
NE Washington  
Northern Idaho



**5**  
**Mike Stothers**  
Central Oregon  
Southern Oregon  
Northern California



**6**  
**Scott Mayfield**  
Montana



**7**  
**Dean Paler**  
Southern Idaho  
Nevada  
Wyoming



**John Heflin**  
Outreach Specialist



**Mike Hughes**  
Field Services  
Manager



**Cyrus Collins**  
Program Manager

# About the Program

Comfort Ready Home is a partnership between Bonneville Power Administration and its customer utilities.

Our goal is to increase the number of residential energy-efficient insulation, windows, HVAC, and water-heating installations in the Northwest.

We aim to achieve this by connecting homeowners, contractors and utilities and providing each with the tools, resources, and support they need to prioritize energy efficiency.

**BETWEEN JULY 1, 2024, AND JUNE 30, 2025, WE:**



Helped  
**2,300**

end users find nearby  
qualified contractors



Received  
**141K**

views on  
Youtube



**91**

utilities  
supported



**64K**

website views



Enrolled  
**519**

contractors



Trained  
**827**

contractors and  
utility staff in  
person



Rewarded  
**396**

heat pump water  
heater installations



Hosted  
**13**

workshops

# Take Advantage of the Contractor Search



## CONTRACTOR FINDER

Get quotes or schedule service with trusted weatherization, water heating and HVAC professionals.

Enter your ZIP Code to see a list of installers near you.

Zip: 59803

Search



Missoula Electric Cooperative  
Northwest Montana

## HEAT PUMP WATER HEATER

Showing 1 to 2 of 2

See All - Print →

Andersons Heating, Air Conditioning and Plumbing Inc  
Northwest Montana, Southwest Montana  
(406) 728-8048

CONTACT →

We at Anderson's specialize in energy efficient heating and cooling.  
Geothermal Heat Pumps, Air Source Heat Pumps and Mini Split [More Details](#)

Services Offered: Air Sealing Services, Ducted Heat Pumps, Ductless Heat Pumps, HPWH, Plumbing Services, PTCS Air Source Heat Pumps, PTCS Duct Sealing, Residential HVAC Installation

Temp Right Services  
Northwest Montana, Southwest Montana  
4067281111

CONTACT →

[More Details](#)

Services Offered: Air Sealing Services, Building maintenance, Ducted Heat Pumps, Ductless Heat Pumps, HPWH, Plumbing Services, PTCS Air Source Heat Pumps, PTCS Duct Sealing, Residential HVAC Installation

# On-Site Workshops



Small group contractor trainings.

- Heat Pump Water Heaters.
- Home as a System.
- Wall Insulation.
- Heat Pump Best Practices.
- Duct Sealing Best Practices – NEW!



# On-Demand Training



**Become an expert.  
Earn free CEUs today!**

CCB, BPI and AIA Continuing  
Education Credits available.

Choose from .25, .50, 1-unit CEU courses.



Learning Center

- Cold Climate Heat Pumps
- Manufactured Home Insulation
- Site Built Wall Insulation

- Insulating Sloped Ceilings
- Attic Insulation
- Floor Insulation



Simple and Effective Floor  
Insulation



Heat Pump Water Heater  
Opportunities + Installation  
Considerations (CRH-EiQ215)



Making the Most of HVAC  
Opportunities

# Training and Educational Videos





Comfort Ready Home  
34 subscribers

SUBSCRIBED

HOME

VIDEOS

PLAYLISTS

CHANNELS

ABOUT

Uploads

SORT BY



Blower Door Test: Setting up to Depressurize a Home

53 views • 3 weeks ago



Indoor Air Quality: Calculating and Testing...

52 views • 1 month ago



Testing a Home for Air Leakage

147 views • 3 months ago



Energy Efficiency Sales: How to Ruin a Sale

37 views • 7 months ago



Energy Efficiency Sales: Walkthrough

20 views • 7 months ago



Energy Efficiency Sales: Ask/Observe Stage

26 views • 7 months ago



Energy Efficiency Sales: Agree Stage

21 views • 7 months ago



How Ventilation and Filtration Make a Healthy Home

150 views • 1 year ago



Weatherize Your Home to Keep Unhealthy Air Out

183 views • 1 year ago



Protecting Your Home from Wildfire Smoke

567 views • 1 year ago

# Customizable Video – Rebate Roundup

---



## Module Options

- Introduction
- Heat Pump Water Heaters
- Ductless Heat Pumps
- Air Source Heat Pumps
- Insulation
- Duct Sealing
- Windows
- Multifamily
- Outro





# What Are Other Utilities Doing?



## Customizable Marketing Materials

- High Bill Flyer – City of McCleary, City of Milton, Snohomish PUD
- Incentive Magnets – Clallam PUD, Mason PUD 3, Grays Harbor
- Customized Video – Parkland Light & Water

## Customer Facing Events

- Home Show – Jefferson PUD
- Apple Squeeze – Town of Steilacoom



## Save Money and Energy

Scan the code for incentives, tips, and tools for staying comfortable and lowering your utility bill.



# BUILDING A STRONGER PROGRAM

---



## The 2025 Contractor Survey

- Contractors who engage with Comfort Ready Home are highly satisfied.
- Overall awareness and usage of services is around 50%.
- We need to continue building pathways that make the Program more visible.
- 97% of respondents who used the Program's training and technical resources reported a positive experience.
- 71% of participating plumbers said the Greener Water Heater Promotion helped them sell more heat pump water heaters.
- 8 contractors began offering HPWHs for the first time.
- Contractors want help reaching customers and rebate information.

# LOOKING FORWARD

- The Comfort Ready Home program is built upon a strong foundation of technical expertise and customer service. This has allowed us to expand and improve the support provided to utilities and contractors through the last year.
- Looking ahead, we will continue to focus on providing and improving on our existing offerings, while also expanding to meet the changing needs of utilities and contractors.

## Goals for 2025–2026 include:

1

**Engage 95 utilities  
in the Utility  
Program Plan  
process**

2

**Provide 10 trainings  
throughout the  
region**

3

**Help utilities,  
contractors, and  
end-users navigate a  
changing incentive  
landscape**

4

**Reach 150,000 users  
via the Program  
website and  
YouTube channel**

5

**Develop Duct Seal  
Best Practices small  
group workshop  
curriculum**

We're excited to build on the progress made over the past year and to continue providing valuable resources and expertise to our utility and contractor partners.

# Thank You!

Please contact your  
Energy Efficiency Representative  
or

Cyrus Collins

*Program Manager*

[cyrus.collins@evergreen.energy](mailto:cyrus.collins@evergreen.energy)

(503) 705-7039



Comfort Ready Home is funded by Bonneville Power Administration and Northwest Utilities.



**815 HOMES**

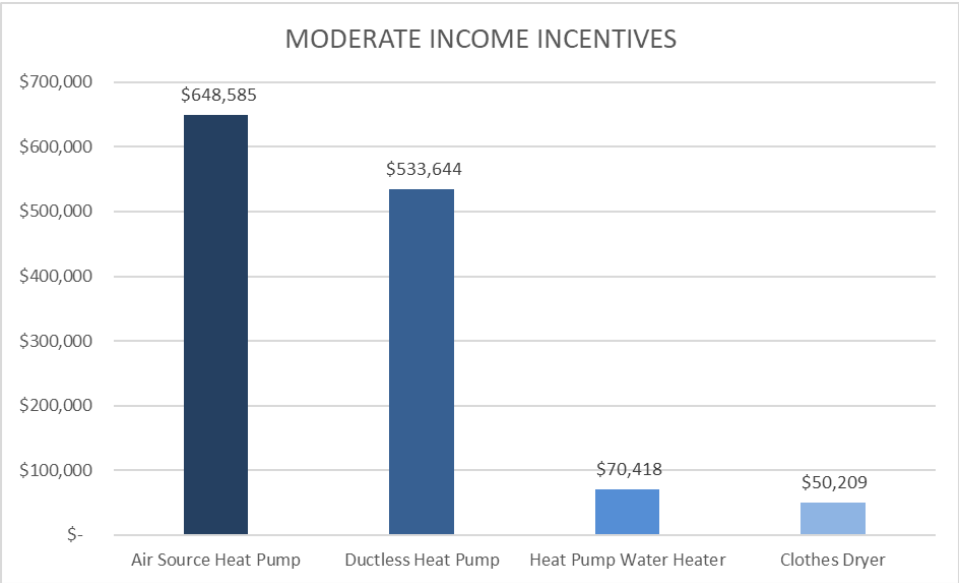
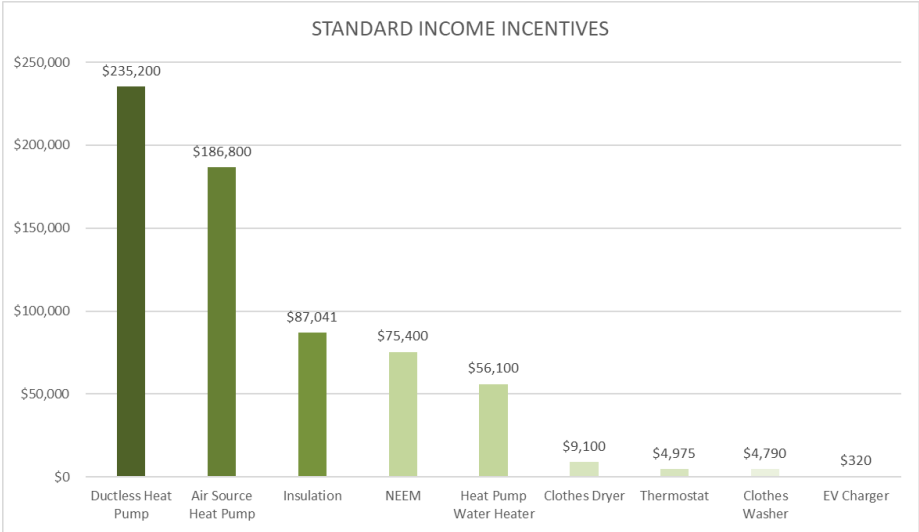
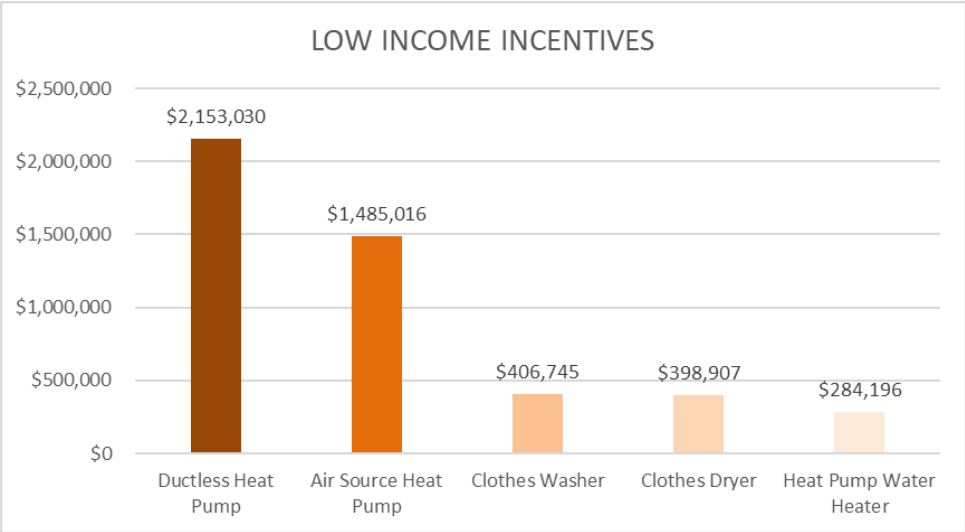


**\$7,252,153**



**3,749,987 kWh BB Savings**

# PROGRAM SUCCESS



# COMMUNITY OUTREACH



**Community Events**



**Local Contractors & Retailers**



**Social Media Ads**



**Bill Inserts**





# HVAC Rebate Program Overview

Presented by: Bradley Air Company  
Program Year: Oct 2023 – Sep 2025  
Data as of October 2025

# Program Summary

- HVAC rebate program supported homeowners across multiple income levels.
- Funded through Bonneville Power Administration and Washington State programs.
- Promoted equitable access to modern, energy-efficient HVAC systems.
- Strengthened community partnerships and participation.

# Key Results

- Total Rebates Issued: 482.
- Total Amount Paid: \$2.69 million.
- Standard Income: 85 rebates (\$78,200).
- Low Income: 313 rebates (\$2,088,000).
- Moderate Income (HEAR): 84 rebates (\$518,800).
- Demonstrates strong participation and equitable distribution of funds.

# Community & Economic Impact

- Provided financial relief to over 480 households in Mason and Grays Harbor Counties.

- Enhanced comfort, health, and energy efficiency in homes.

- Stimulated local economy by employing HVAC technicians and suppliers.

- Supported regional clean energy and carbon reduction goals.

# Contractor Perspective



- Efficient rebate process encouraged more customer participation.



- Clear communication with utilities and state agencies streamlined installations.



- Helped expand Bradley Air Company's reach and reputation as a community-focused partner.



- Demonstrates value of public-private collaboration in energy programs.

# Looking Ahead



- Expand outreach to underserved and rural communities.



- Increase awareness of available rebates and financing options.



- Continue partnering with PUDs to deliver measurable energy savings.



- Strengthen data tracking to report impact in future program years.



Heating | Ventilation | Air Conditioning

(360) 426-1284  
1142 E John's Prairie Rd.  
Shelton, WA 98584

# Time for a break!





# Energy Efficiency Marketing Team

## UTILITY ROUNDTABLES 2025

Oct. 22-23, 2025



# Meet the Marketing Team



**Mike Gross**  
Marketing Lead



**Rachael Ettelman**  
Marketing  
Specialist



**Maggie Bagan**  
Marketing  
Specialist



**Ming Kust**  
Marketing  
Specialist



**Robin Moodie**  
Marketing  
Specialist

# Skill sets and Services



# Collective Skills



Graphic Design



Production Design



Technical, Public Relations, Copywriting, and Editing



Presentations



Instructional and Social Media Videos



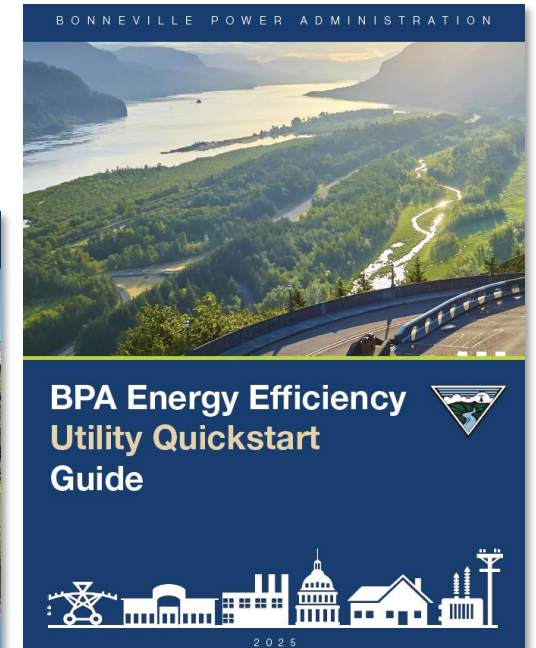
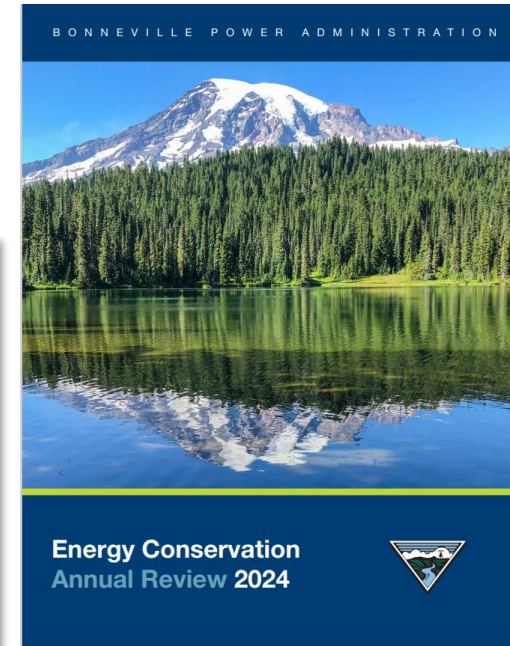
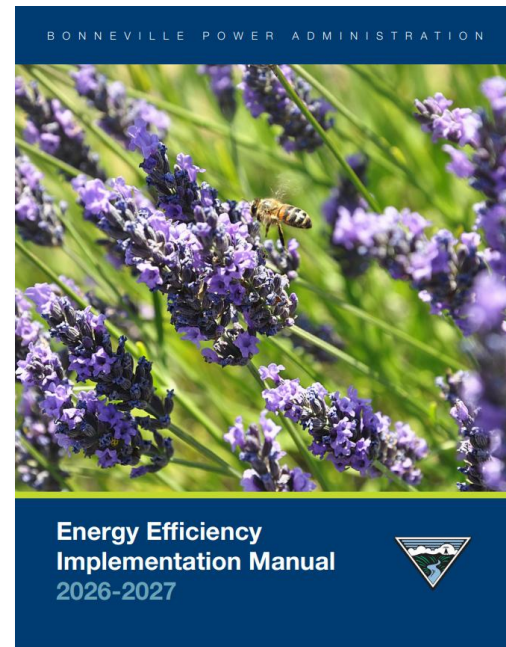
Web Design



Marketing Strategy and Planning

# Marketing Team Publications

- Energy Efficiency Implementation Manual.
- Energy Conservation Annual Review.
- Energy Efficiency Action Plan.
- Energy Efficiency Utility Quickstart Guide.



# Services

## Marketing and Design

- Photos and graphic design production for images, logos, and icons.
- Marketing materials customization:
  - Custom fillable forms,
  - Social media content,
  - Flyers, or
  - Bill stuffers/post cards.
- Recommendations and support for marketing projects and campaigns.

The image displays three marketing materials for the City of McCleary Energy Efficiency Rebate Program:

- Ducted Air-Source Heat Pump Data Collection Tool:** A form from NLI (Northwest Low Income Housing Initiative) for collecting installation information for ducted air-source heat pumps (ASHPs) and variable-speed heat pumps (VSPs). It includes sections for site information, existing heating systems, and new heat pump equipment data.
- DITCH THE DUCT:** A flyer promoting residential ductless heat pumps. It features a family in a modern living room and states: "\$800 Incentives available per qualified installation." The City of McCleary logo is also present.
- City of McCleary Energy Efficiency Rebate Program:** A graphic showing a cross-section of a house with various energy efficiency measures and their associated rebates:
  - Attic Insulation: Up to \$2 per sq ft
  - Energy Efficient Windows: \$6 per sq ft
  - Smart Thermostat: Up to \$140
  - ENERGY STAR Door: \$40 per door
  - Variable Speed Heat Pump Conversion: Up to \$1,200
  - HP Water Heater: \$700 - \$1,100

Additional text at the bottom of the infographic includes: "CAN HELP! Call today to learn more about available tax credits and incentives: 360-495-3667 Ext. 161", "Some measures must meet certain criteria to qualify.", and "Incentives may be adjusted yearly."

# Services

## Press Kits:

- Press releases,
- Articles,
- Case studies,
- Project success posters, and
- Social media posts.



**Bonneville Power Administration**  
22,639 followers  
2d • 

We recently partnered with **Benton PUD** to bring some juicy energy-savings to **Milne Fruit**, a Washington-based fruit juice and puree company. ...more



**BPA supports local beverage company with juicy energy efficiency project**  
bpa.gov



**COLUMBIA RIVER PUD**  
A COMMUNITY-OWNED UTILITY

## HISTORIC BUILDING

BENEFITS FROM MODERN UPGRADES

### PROJECT BACKGROUND

building served as the schoolhouse in St. Helens, used and remodeled the treasured historical building. As part of a larger multi-phase effort to enhance the building, Columbia County worked with Columbia River PUD. The utility identified a variety of attainable upgrades including windows, lighting retrofits, insulation, heat recovery system upgrades.

[← Back to Newsroom](#)

### Energy efficiency upgrades breathe new life into 106-year-old historic St. Helens building

July 10, 2025



For implemented savings throughout the John Gumm building renovation, BPA awarded CRPUD an \$96,410 incentive payment.

BPA Energy Efficiency teamed up with Columbia County and Columbia River PUD to revitalize a historic building with modern energy-saving upgrades.

290,723  
kWh Annual Energy Savings

  
\$96,410  
Columbia River PUD Incentive Payment



John Gumm building exterior with new windows



New variable refrigerant flow HVAC system

#### What ideas do you have to save money?

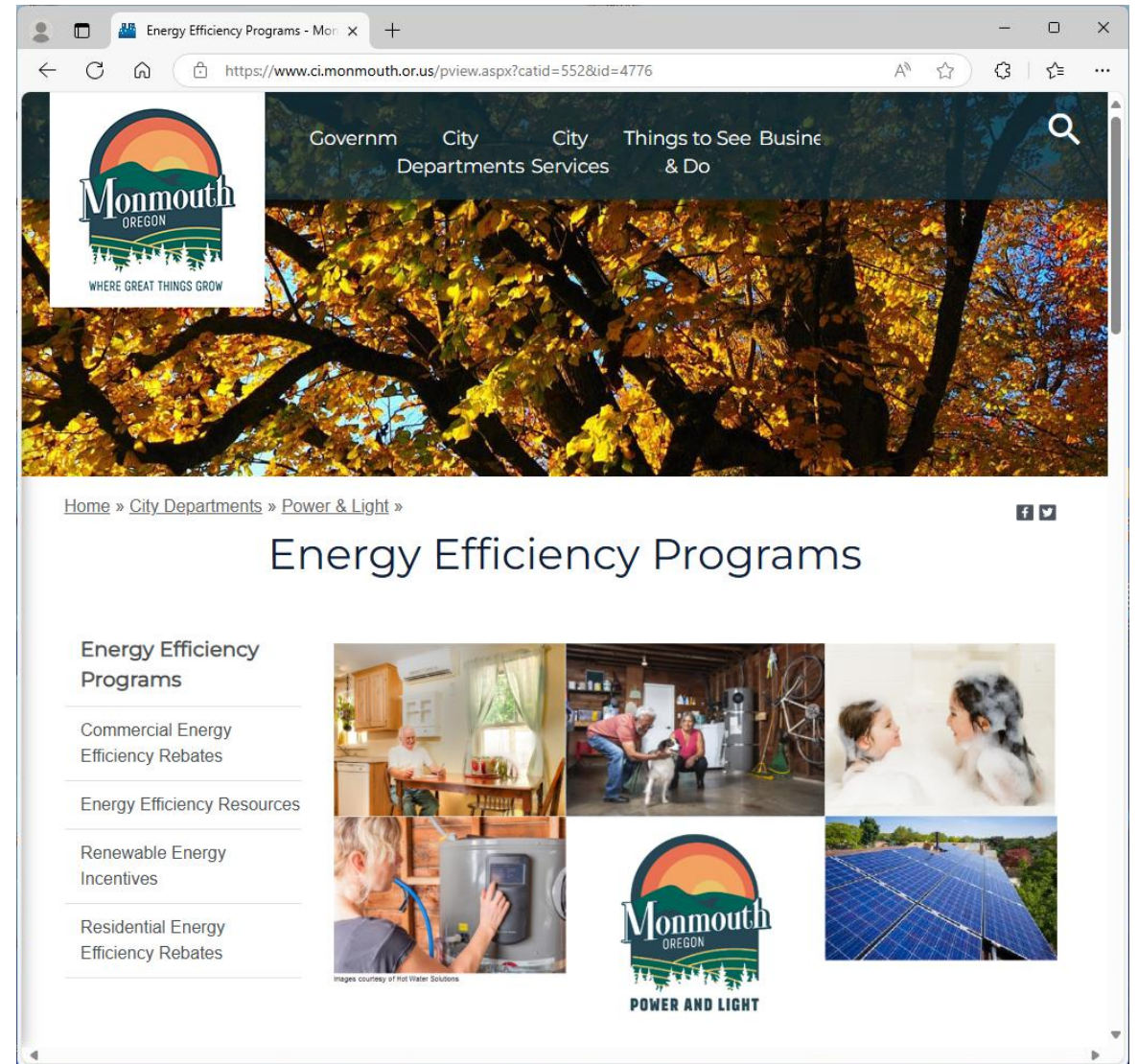
Columbia River PUD offers multiple energy efficiency incentives for residential, commercial and other types of customers.

**Columbia River PUD**  
(503) 397-1844  
www.crpud.net

# New Services

## Website Recommendations

- Review existing website and make recommendations.
- Graphics production.
- Search engine optimization.
- Improve user experience.
- Increase program visibility.



# New Services

## Big Check

- Laminated.
- Customized with logo.
- Re-usable with dry erase markers.
- Great for photo ops for case studies, articles, etc.

|                                                                                   |                                         |                         |
|-----------------------------------------------------------------------------------|-----------------------------------------|-------------------------|
|  | <b>COMPANY LOGO</b><br>PUBLIC UTILITIES | <b>1001</b>             |
| DATE: _____                                                                       |                                         |                         |
| PAY TO THE ORDER OF _____                                                         |                                         | \$ <input type="text"/> |
| ENERGY SAVINGS ACHIEVED _____                                                     |                                         | kWH                     |
| ⑆0123456789 ⑈0009876543⑈ 1025                                                     |                                         |                         |



# Updated Templates: Flyers



## 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. 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. 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 and water 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.

### Strategies for Drought Resiliency

- LEPA, MDI
- on
- pumps
- and wineries)

- ✓ Pump Test/System evaluation cost share incentives
- ✓ Drought tolerant crop varieties
- ✓ No till drill
- ✓ Collaboration with NRCS EQIP



**Wineries**  
Many processing applications at wineries—VFDs, and refrigeration are all eligible opportunities for utility incentives. With new cleaning technology, water usage can be reduced at the winery.

### YOUR UTILITY CAN HELP!

Call your local utility today to learn more about Agricultural energy-efficiency and available incentives for energy-saving improvements and ways to improve drought resiliency.



## Take Control of Comfort

### Connected Thermostats for commercial buildings

SIMPLE programming

REMOTE access via smart devices

AUTOMATIC updates

REDUCED energy costs

WEB-BASED monitoring & alerts

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.

Connected thermostats control the HVAC system in order to maintain zone temperatures via the internet. Connected thermostats provide internet access to alerts and monitoring, and control from a remote location.

Programming capabilities allow you to more accurately match HVAC operation with actual occupancy (for example, scheduling setback temperatures during evenings, holidays and breaks), while ensuring desired temperatures are maintained during occupied hours, thus minimizing energy usage.

### Available Incentives

# \$150

for qualifying connected thermostat installations

# \$50

Incentive per programming verification. The thermostat is eligible for up to four verification payments within two years of the initial install.

**YOUR UTILITY CAN HELP!**  
Call your local utility today to learn more about commercial energy-efficiency and available incentives for connected thermostats.

### INCENTIVE REQUIREMENTS

in conditions\*:  
 it must replace an existing thermostat that is not web enabled.  
 in be electric or gas.  
 4/7 occupancy, or semi-conditioned spaces are not eligible.  
 is only. Not eligible for an ARC payment.

on conditions:  
 rmostat:  
 n existing HVAC supply fan and serves a single zone.  
 sted on the Qualified Products List.

rmostat must be programmed as follows:  
 onnected to the internet.  
 re setback is used for unoccupied hours (heating and/or cooling, as applicable).  
 rule uses auto mode for unoccupied hours (e.g., during unoccupied hours or  
 he fan will only run when there is a demand for heating or cooling).  
 uration set to three hours or less.

**BACK**  
ical project payback, including  
tives, is about 2-3 years.

## 2-3

**INCENTIVES**  
We offer incentives for qualifying connected thermostat installations, and per programming verification. The thermostat is eligible for up to four verification payments within two years of

**UTILITY CAN HELP!**  
 ility today to learn more  
 cial energy-efficiency  
 and available incentives for connected  
 thermostats.



# Updated Templates: Postcards, Bill Stuffers





### Take Control of Comfort

Connected Thermostats for commercial buildings

### Make the switch!

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.

- ✓ Simple Programming
- ✓ Automatic Updates
- ✓ Remote Access
- ✓ Reduced Energy Costs
- ✓ Web-based Monitoring and Alerts

Available for \$150 to \$500

## AGRICULTURAL ENERGY EFFICIENCY

### Tackling Drought with Energy Efficiency

Your utility recognizes that saving water is important and can lead to saving energy. 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.

### YOUR UTILITY CAN HELP!

Contact your local public utility to learn how you may be eligible for incentives to increase energy and water efficiency!



# Updated Templates: Social Media Posts

## OPEN THE DOOR TO SAVINGS

EFFICIENT WINDOWS AND DOORS FOR RESIDENTIAL HOMES



**\$40** per qualified exterior door installation



**SMART THERMOSTATS**  
**\$140**  
PER QUALIFIED INSTALLATION

**DUCTLESS HEAT PUMPS**  
**\$800**  
PER QUALIFIED INSTALLATION

**HEAT PUMP WATER HEATERS**  
**\$900**  
PER QUALIFIED INSTALLATION

COMPANY  LOGO  
PUBLIC UTILITIES

www.utilitywebsite.com

**CONTACT US**

MORE INFO CALL US  
**XXX XXX-XXXX**

## A SMARTER SYSTEM

RESIDENTIAL ADVANCED SMART THERMOSTATS



**140** Incentives available per qualified installation.

COMPANY  LOGO  
PUBLIC UTILITIES

## DITCH THE DUCT

WITH A RESIDENTIAL DUCTLESS HEAT PUMP



**\$800** Incentives available per qualified installation.

COMPANY  LOGO  
PUBLIC UTILITIES



# Utility Distribution Sector

## UTILITY ROUNDTABLES 2025

Oct. 22-23, 2025



# Utility Distribution Strategic Priorities



## Utility Distribution

Increase communication with utility management to promote the value of Utility Distribution measures.

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## 2026-2027 Priorities

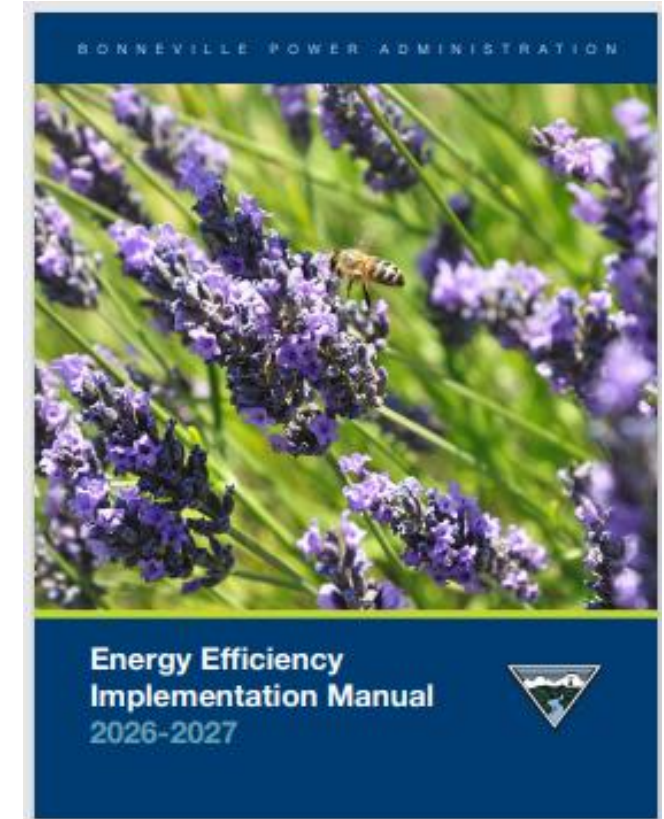
- Continue to encourage Re-conductor and Transformer Measures.
- Renew Marketing for Conservation Voltage Reduction (CVR) projects.
- Re-Introduce Daily Demand Voltage Reduction (D-DVR).

# Implementation Manual – Section 12

## *What Measures are in this Sector?*

Two main groups: FY 2026+

1. Re-conductor and Transformers (35-year measure):  
**\$0.38/kWh.**
  - Several other measures: voltage increase, power factor correction, etc., but they are infrequently submitted/reported.
2. Conservation Voltage Reduction (CVR) / Voltage Optimization (VO) (10-year measure life):  
**\$0.33/kWh** incentive.



# Reconductor-Transformer (RT) Calculator: Program in BEETS

## What is it?

- New streamlined process for these two measures, an alternative to custom project submittal.
- Project support document files can be attached to the calculator (all in one file).
- More automated data entry fields.
- Can handle up to six transformer and six reconductor measures in one file.

The screenshot displays the 'Create New Application' form in the BEETS system. The top navigation bar includes 'APPLICATION PROCESSING' and 'UTILITY AND PROGRAM MANAGEMENT'. Below this, there are tabs for 'Bookmarks', 'Recent Applications', 'New Application' (marked with a 'NEW' badge), and 'Scan Queue'. The main form area is titled 'Create New Application' and contains a 'Select Utility' dropdown menu currently set to 'Bonneville Power Administration'. Below this is a 'Select Program' dropdown menu which is open, showing a list of programs. The 'Re-Conductor & Transformer Upgrade' program is highlighted in yellow, and a red arrow points to it. Other programs visible in the list include 'PTR Data', 'Small Compressed Air', 'Strategic Energy Management (SEM)', and 'UES Measures'.

# Reconductor Measures Can Also Be Custom Projects

- When a reconductor project gets complicated.
- It can-not be addressed via RT-file.
- We leverage Load-Flow models executed by utility engineers or consultants.
- Outputs from the model (Peak kW Loss) are used to calculate Energy Savings.
- Tony Koch prepares the Custom Project details and enters into BEETS.

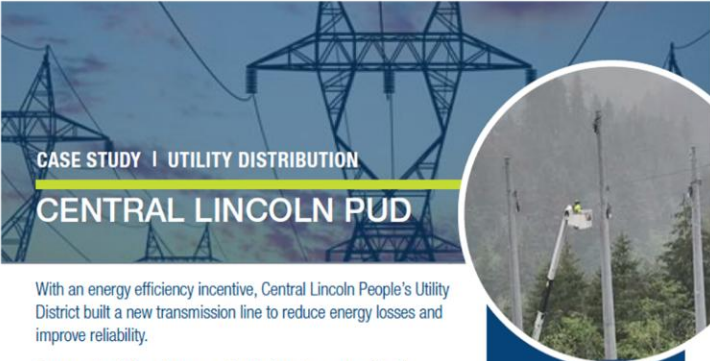
# Utility Project Submittals in FY 2025

| Utility         | Program / Savings Type                       | Busbar Energy Savings (kWh/year) |
|-----------------|----------------------------------------------|----------------------------------|
| Inland          | Re-Conductor & Transformer                   | 401,882                          |
| Idaho County    | Re-Conductor & Transformer                   | 117,835                          |
| Flathead        | Re-Conductor & Transformer                   | 268,061                          |
| Vigilante       | Re-Conductor & Transformer                   | 185,224                          |
| Coos-Curry      | Re-Conductor & Transformer                   | 390,686                          |
| DOE-RL          | Re-Conductor & Transformer (Transformers)    | 29,867                           |
| Oregon Trail    | Re-Conductor & Transformer                   | 32,014                           |
| Cowlitz         | Re-Conductor & Transformer                   | 92,583                           |
| Vigilante       | Custom Projects Option 1 - Reconductor       | 122,012                          |
| Fall River      | Re-Conductor & Transformer                   | 5,924                            |
| Kittitas        | Re-Conductor & Transformer                   | 371,794                          |
| Snohomish       | Custom Projects Option 2 - Reconductor       | 29,691                           |
| Benton PUD      | Custom Projects Option 1 - CVR               | 887,019                          |
| Vigilante       | Custom Projects Option 1 - Reconductor       | 74,068                           |
| Lakeview        | Re-Conductor & Transformer (Transformer)     | 89,530                           |
| Central Lincoln | Custom Projects Option 1 - Transmission Line | 117,974                          |
|                 |                                              |                                  |
|                 | <b>FY25 Total (kWh/year)</b>                 | <b>3,216,164</b>                 |
|                 | <b>aMW</b>                                   | <b>0.37</b>                      |

# A Special Project to Highlight



Central Lincoln  
PUD Case Study



**CASE STUDY | UTILITY DISTRIBUTION**

## CENTRAL LINCOLN PUD

With an energy efficiency incentive, Central Lincoln People's Utility District built a new transmission line to reduce energy losses and improve reliability.

As energy travels from the power plant to doorsteps, some of it will inevitably get "lost" in transmission. It's a natural part of electricity distribution and occurs as a result of path resistance. As electric current flows through a conductor, it releases heat into the air just like a toaster. While heat is key for crisping up bread, for distribution and transmission lines, the heat is an undesired byproduct that results in energy loss. Luckily, there are ways to reduce these losses and deliver measurable energy savings. Bonneville Power Administration (BPA) partners with Northwest utilities and offers incentives for projects that address energy loss on their networks.

Utilities may opt to upgrade to a thicker wire, which helps electrons travel easier along a path. Another common option is expanding a single-phase line to a three-phase line, an upgrade that improves power flow for larger loads.

Central Lincoln People's Utility District (PUD) on the Oregon coast found an optimum solution to reduce energy loss on its network by adding a new transmission line that provides a parallel path on its 69-kilovolt network. Providing a parallel path for energy to travel helps distribute electrical current across a greater area, reducing congestion across Central Lincoln PUD's transmission network to deliver power more efficiently to customers. The new four mile path, from Substation 109 on Steensen Road to Agate Beach Substation in Newport, improves voltage stability and power flows, resulting in approximately 118,000 kilowatt-hours of annual energy savings. This translates to a cost savings of \$4,200 per year and a more secure, reliable distribution network.



For more information, please contact Central Lincoln PUD  
[www.clpud.org](http://www.clpud.org) (888) 883-9879

### By the Numbers

**Total Annual Energy Savings:**  
118,000 kWh

**Total Annual Energy Cost Savings:**  
\$4,200/yr

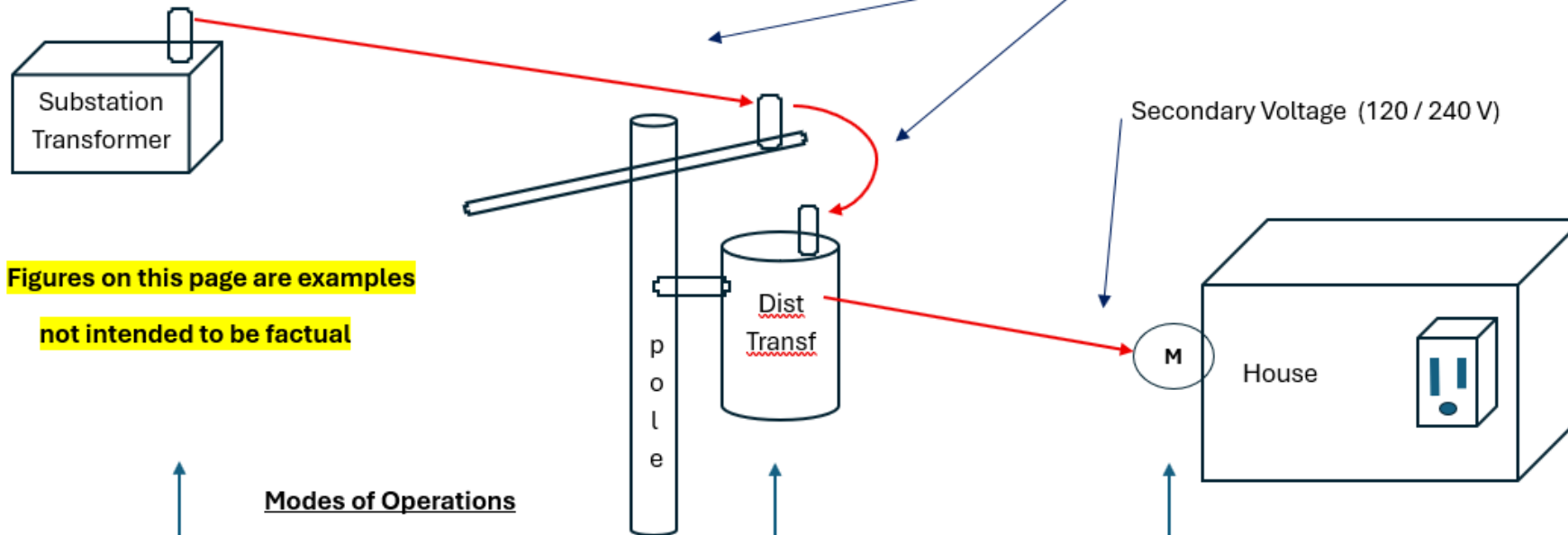
**Total Incentives Earned:**  
\$44,830

**Transmission line added:**  
4 mi

# Clallam PUD: Deploying CVR projects with AMI Data

- Clallam has traditionally implemented CVR using Primary end of line voltage.
- The PUD is currently in CVR-factor data gathering for two substations.
- CVR-factor calculation relies on turning the CVR voltage setting On and Off on a daily-basis. A CVR-factor is calculated, usually using ~6 months of daily On / Off data, for a specific substation, and reflects the native load of the substation.
- The following page illustrates some different CVR operating modes.

## Substation and Feeder Voltage: with and without CVR



Figures on this page are examples  
not intended to be factual

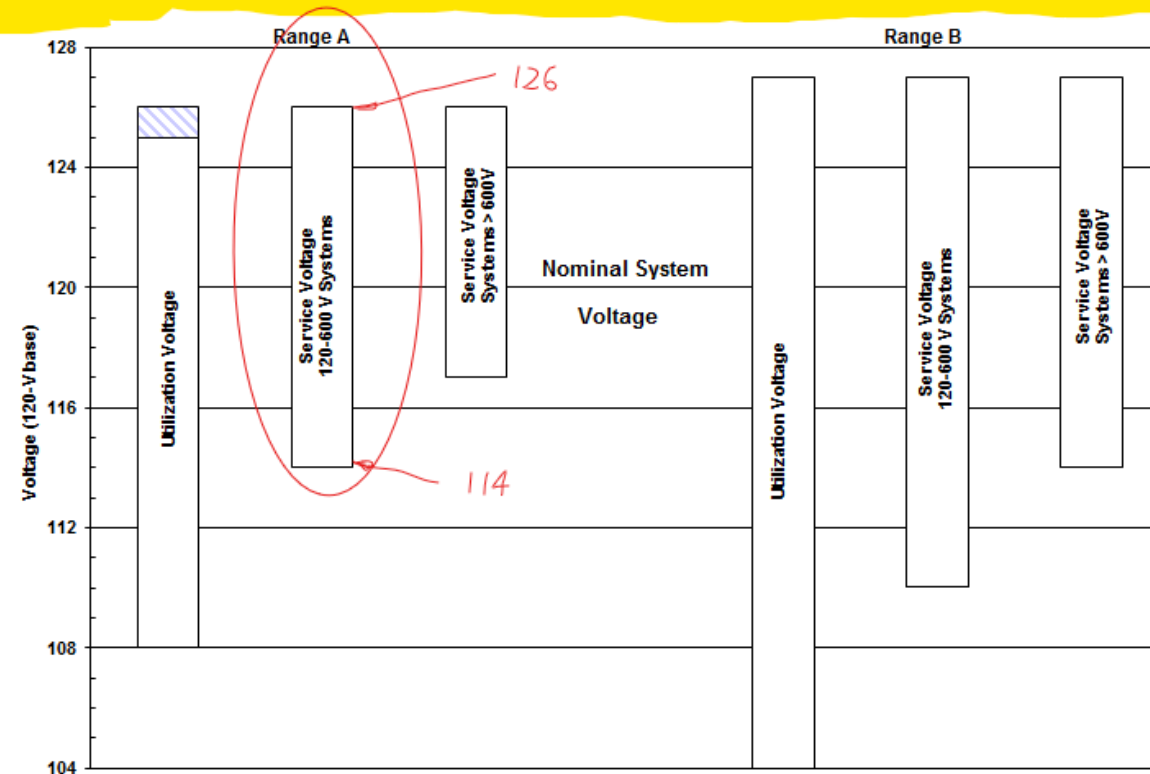
| Modes of Operations |                                                                                     |             |             |
|---------------------|-------------------------------------------------------------------------------------|-------------|-------------|
| Max: 126 V          | ANSI C.84.1 Max & Min                                                               | Min: 114 V  | Min: 110 V  |
| 122 – 124 V         | Typical non-CVR operation                                                           | 121 – 122 V | 120 – 122 V |
| 123 Avg             |                                                                                     | 121 Avg     | 120 Avg     |
| 120 Avg             | 2-3V Reduction CVR target: 118 EOL<br>Uses radios to communicate EOL voltage to sub | 117 Avg     | 116 Avg     |
| 118 Avg             | 4-5V Reduction CVR with AMI voltage feedback<br>Eliminates the need for EOL radios  | 115 Avg     | 114 Avg     |

## Annex B

### Illustration of Voltage Ranges of Table 1

Figure B1 shows the basis of Range A and Range B limits of table 1. The limits in table 1 were determined by multiplying the limits shown in this chart by the ratio of each nominal system voltage to the 120V base. [For exceptions, see note (c) to Figure B1.]

A technique commonly called Conservation Voltage Reduction (CVR) is sometimes used for energy and or demand reduction. Determination of the value of CVR is beyond the scope of this Standard. However, it is recommended that the application of CVR should be limited to voltages in Range A for normal operation. Range B should be reserved for emergency, infrequent operation. CVR systems should not be designed to operate below Range B for any condition.



(informative)

Figure B1

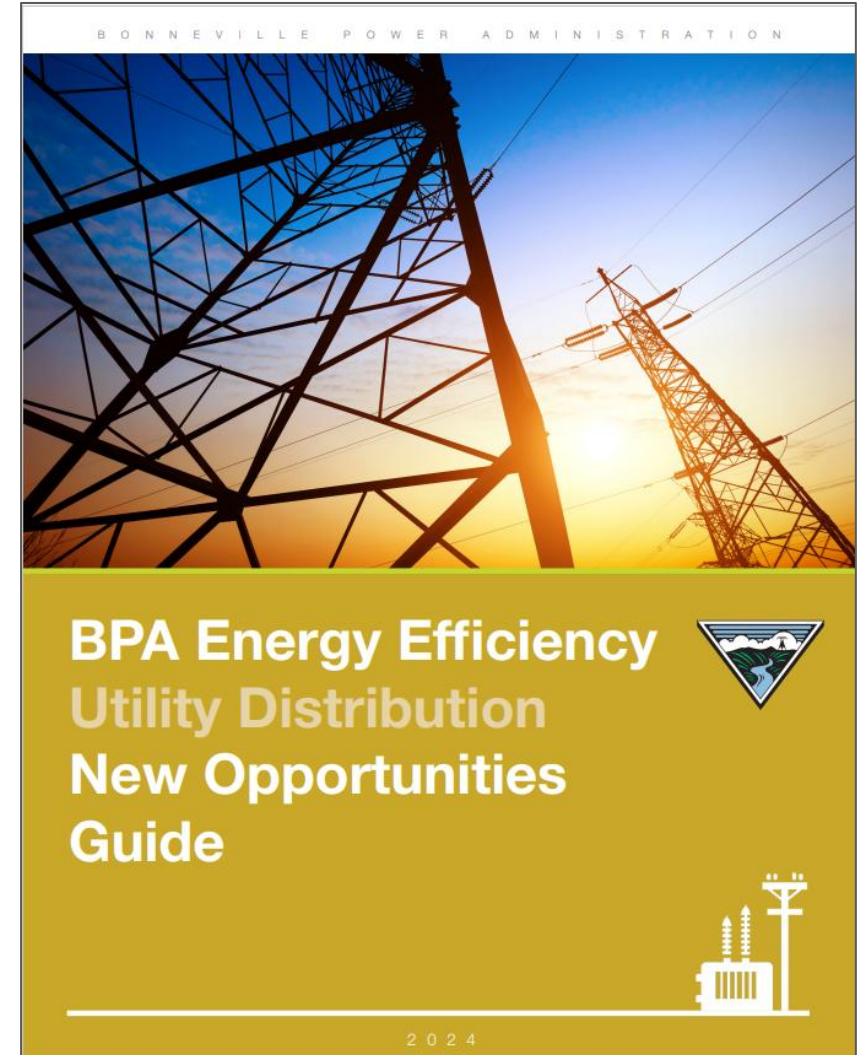
# Re-Introduction of Daily DVR Energy Savings Pilot Program

- BPA has been working for the past year+ to enhance the Daily Demand Voltage Reduction (DVR) offering.
- BPA will host a **customer webinar on Nov. 13** to discuss Daily DVR in more detail.
  - *Invite your Distribution Engineering staff to the webinar.*
- BPA developed economic analysis tools that specifically quantify the overall benefit to utilities.
- BPA will address the possibility for hybrid CVR and Daily DVR in the webinar.

# Utility Distribution: New Opportunities Guide

A marketing document to share with other staff...

<https://www.bpa.gov/-/media/Aep/energy-efficiency/utility-toolkit/uds-nog.pdf>





## Contact Info for Technical Customer Service Support

Tony Koch, PE, CEM  
Mechanical Engineer  
[jakoch@bpa.gov](mailto:jakoch@bpa.gov)  
(206) 220-6777

# Efficiency Exchange Conference Raffle

Efficiency Exchange Conference 2026  
May 5-6 | Boise Centre | Boise, ID



**efficiency**  
exchange



# Closing Remarks

**Thank you, Surveys & Safe Travels!**

