Energy Smart
Industrial

Utility Focus Group Meeting

August 18, 2026

FACILITATOR:

Jennifer Wood
Industrial Program Manager
Energy Conservation
Bonneville Power Administration

Attendees

Energy Smart Industrial

Name	Utility Name	Name	ESI Team - Title/Company Name
Aaron Frechette	Clark PUD	Ben Graves (BPA)	SEM Program Manager, BPA
Abby Borchers	Frankling PUD	Bill Kostich	Energy Smart Industrial Partner, Cascade Energy
Amy Valencia	Frankling PUD	Brice N Lang (BPA)	Energy Efficiency Representative, BPA
Charlie DeSalvo	Columbia REA	Chris Durand	Program Manager, Cascade Energy
Danielle Hansen	City of Centralia	Eric Mullendore (BPA)	Commercial and Industrial Sector Lead , BPA
Jeannie Ellerbroek	Tillamook PUD	Indigo Teiwes	Energy Management Program Manager, Cascade Energy
Jennifer Langdon	Cowlitz PUD	Jeffrey Bernacki	Energy Smart Industrial Partner, Cascade Energy
Kim Johnson	Okanogan PUD	Jennifer Wood (BPA)	Industrial Program Manager, BPA
LeeAnn Driesen	Grant PUD	Jesse Largent (BPA)	C&I Program Specialist, BPA Contractor
Lori Froehlich	Clark PUD	Mariah J Sullivan (BPA)	Mechanical Engineer, BPA
Manuel Walle JR	Benton PUD	Matt Smeraglio	Energy Smart Industrial Partner, Cascade Energy
Maria Vega	Benton PUD	Nosh Makujina	Energy Smart Industrial Partner, Cascade Energy
Maurilio Lopez	Franklin PUD	Sandra Woolf	Senior Program Specialist, Cascade Energy
Mesfin Taye	Tacoma Power	Todd M Amundson(BPA)A3A3:A43	Industrial Engineering Technical Lead, BPA
Nicole Clavel	Big Bend Electric Coop		
Salem Schankel	MASON3 PUD		
Tami Sinor	Umatilla Electric		
Terry Mapes	Benton PUD		

08/18/2026

Agenda

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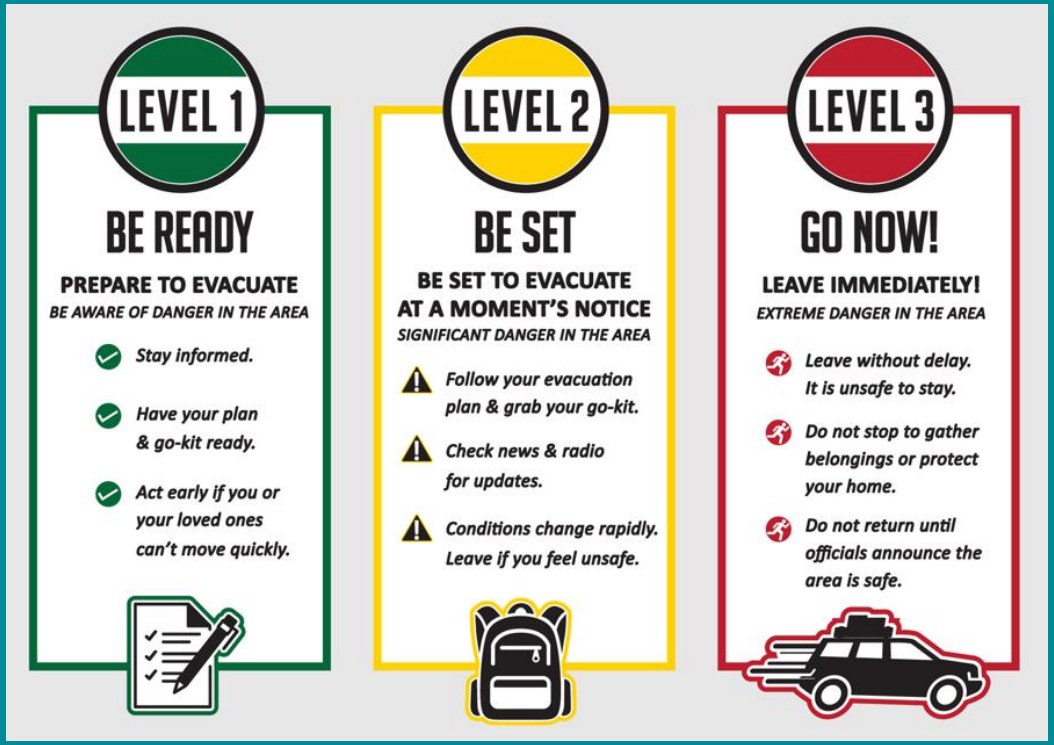
1. Welcome & BPA Updates	*Jennifer Wood*	**11:00 – 11:15**
2. ESI Program Updates		
ESI Program	*Tony Simon*	**11:15 – 11:35**
Strategic Energy Management	*Indigo Teiwes*	
3. Utility Open Forum		
Rural Wastewater Efforts	*Matt Smeraglio*	**11:35 – 11:55**
Project Spotlights	*Umatilla Electric, Big Bend Electric & Franklin PUD*	
Open mic	*Everyone (UFG)*	
4. Reminders and Wrap-up	*Jennifer Wood*	**Remaining Time**

Health & Safety: Wildfire Acknowledgement

WHAT TO PACK IF YOU HAVE TIME

- ☐ **Critical**: Prescription medications, medical devices, eyeglasses, food and plenty of water.
- ☐ **Safety**: Sanitation items, first-aid kit, flashlight with extra batteries, gloves, eye protection, and face coverings or N95 masks that protect against fine smoke particles. Wear long sleeves, long pants, sturdy shoes and a hat to keep embers out of your hair.
- ☐ **Communication**: Phones, tablets, laptops, charging cords, hard drives or backup disks, maps and AM/FM radio. Consider making an emergency plan with important phone numbers before an emergency.
- ☐ **Documentation**: Photo identification, driver's license, birth certificate, social security card, passport, visa, insurance policy, mortgage deed or rental agreement, medical records, banking or financial records, etc.
- ☐ **Personal**: ATM debit and credit cards, cash, clothing, hygiene items, family photos and other small irreplaceable belongings.
- ☐ **Animals**: Extra water, food, leashes, cages or carriers, medication, identification, bedding, and vaccination or medical records. Prepare large animals for transport and consider moving them to a safe location early.
- ☐ **Visit** Ready.gov for more information about being prepared for an emergency, including a full list of emergency supplies.



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BPA Updates

Jennifer Wood – Industrial Program Manager

Implementation Manual Updates – Oct 2026

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10.3.3 Performance Tracking System

- Removed requirement that system be owned by the end-user to be consistent with other measures.
- Added a Commercial RefNo to the UES Measure List to better track this by sector.

10.4.2 Small Compressed Air Systems

- This measure is applicable for a single air compressor of 200 horsepower (hp) or less that exceeds US DOE isentropic efficiency baseline, has updated air compressor controls (e.g., variable frequency drive, load/unload, or other efficient control strategy), and/or includes an air dryer upgrade.
- Also clarified the energy savings amounts must be entered manually into the Small Compressed Air Program in BEETS using the data provided by the BPA SCA Calculator.
- US DOE isentropic efficiency standards can be found here: EERE-2013-BT-STD-0040-0095.

Implementation Manual New Measure – Oct 2026

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10.4.4 Variable Frequency Drives for Industrial Fan Systems

- (Industrial only) BPA-Qualified measure for retrofit and new construction applications.
- Fan applications may include boilers, furnaces, product dryers, dust collection, process heating or cooling, and ventilation systems.
- Controlled fan motor threshold is 200 hp or less.
- The UES busbar savings is 1,819 kWh per hp and payment is $260 per hp.
- Excludes (1) refrigeration systems due to the interactive effects between VFDs and other components within the refrigeration system, and (2) potato and onion storage facilities, because of the existing measure (10.4.1).

FY2026 Direct Funding Distribution

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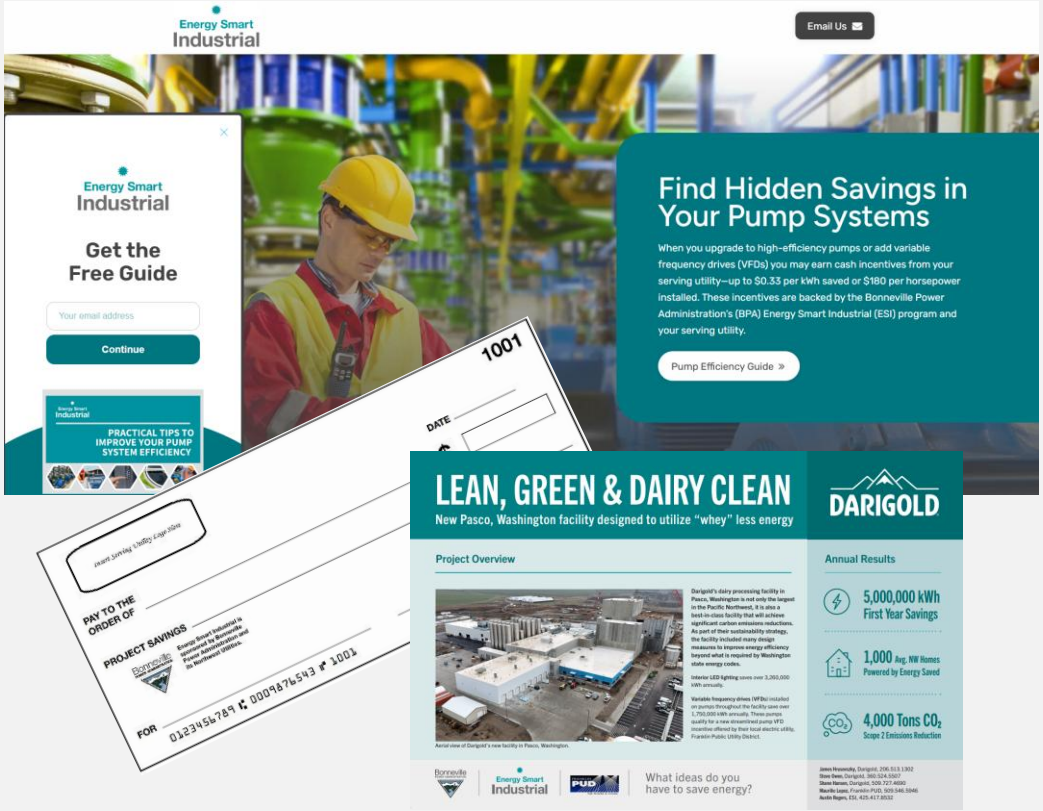
- Eight utilities submitted 17 different *industrial* projects for DFD incentives.
- Total est/actual busbar savings is 22 million kWh or 2.5 aMW.
- Over $2.1 million in DFD incentives for these industrial projects!

Big kudos to Utilities, Industries and the ESI Team!

ESI Marketing Updates



- New webpage drives organic activity in the Pump System market. It also features:
  - Streamlined pump measure details.
  - Free downloadable guide that includes practical tips and strategies to optimize pump system performance.
- BIG Check Template and Project Success Poster toolkits

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ESI Program Updates

Tony Simon – Director of Operations
Indigo Teiwes – Energy Management Program Manager

ESI Personnel Updates

Tony Simon
ESIP and TSP Manager

Chris Durand
ESIP and TSP Manager

Key Goals for the rest of FY26

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Achieve BPA and utility savings targets

>13.2 aMW

Build the pipeline for the next few years

More aMW!

Innovate updates to ESI report templates

Better

2026 Forecast to Goal

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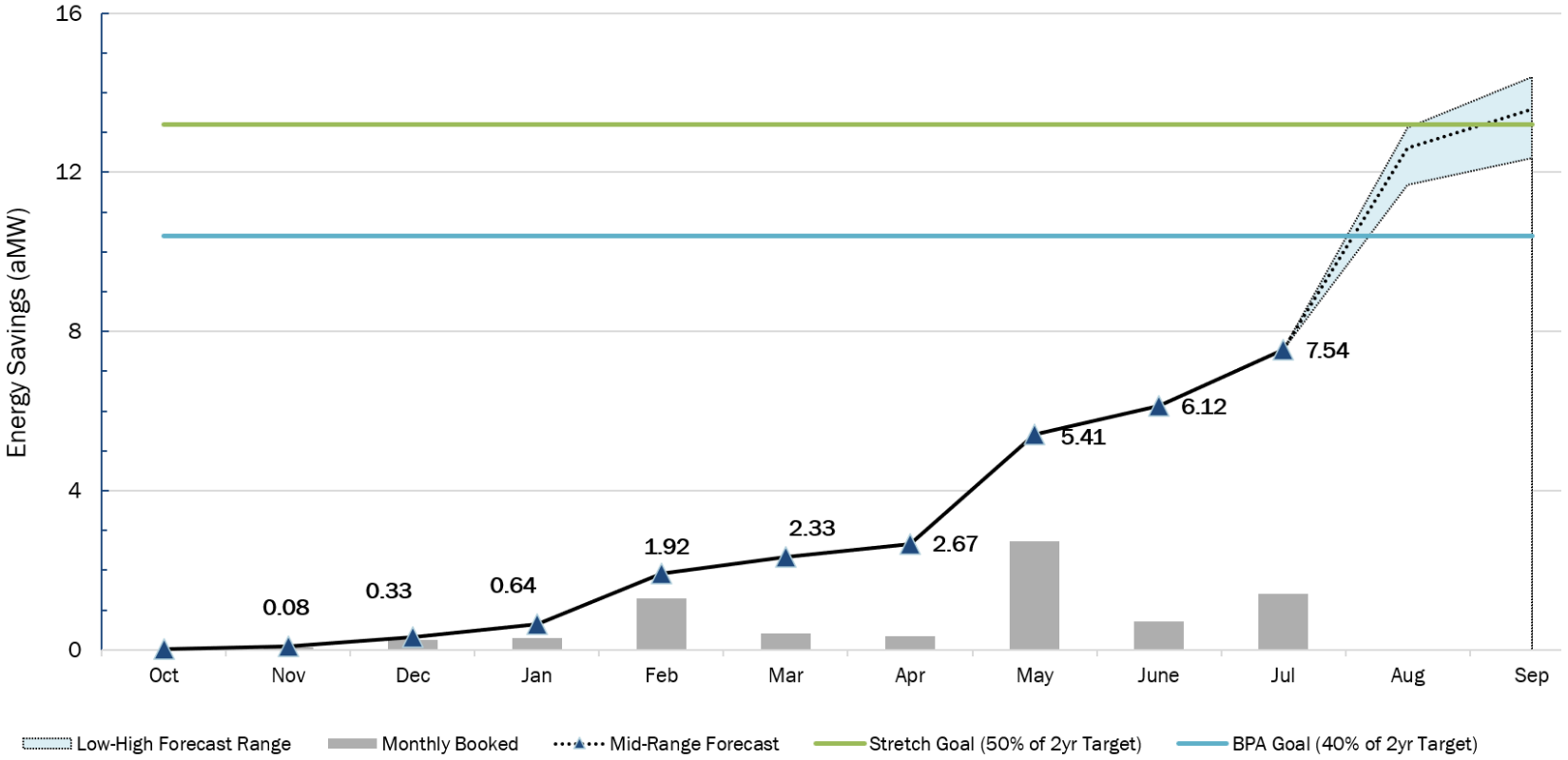

Stretch Goal
13.2 aMW

Base Goal
10.4 aMW

Custom Projects Approaching the Finish Line

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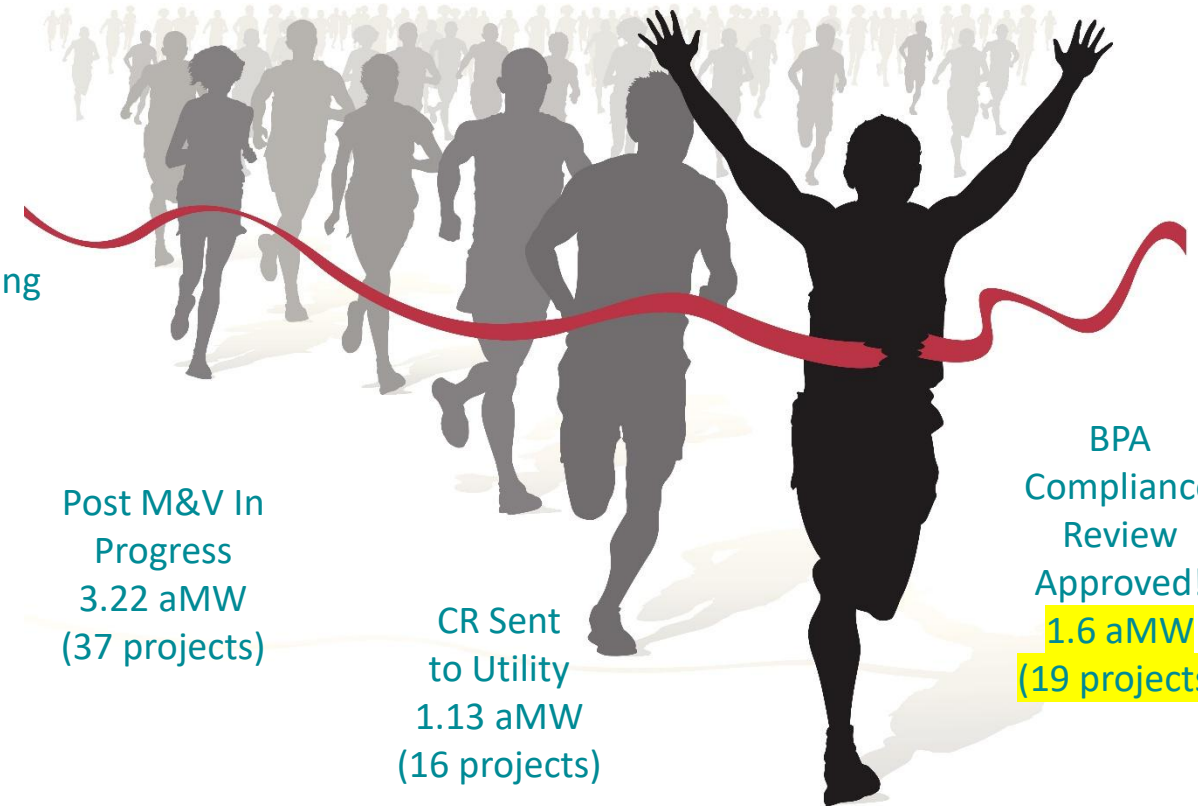

Equipment Being Installed
0.52 aMW
(4 projects)

Post M&V In Progress
3.22 aMW
(37 projects)

CR Sent to Utility
1.13 aMW
(16 projects)

BPA Compliance Review Approved!
1.6 aMW
(19 projects)

BPA's Industrial 3-Year Savings Forecast

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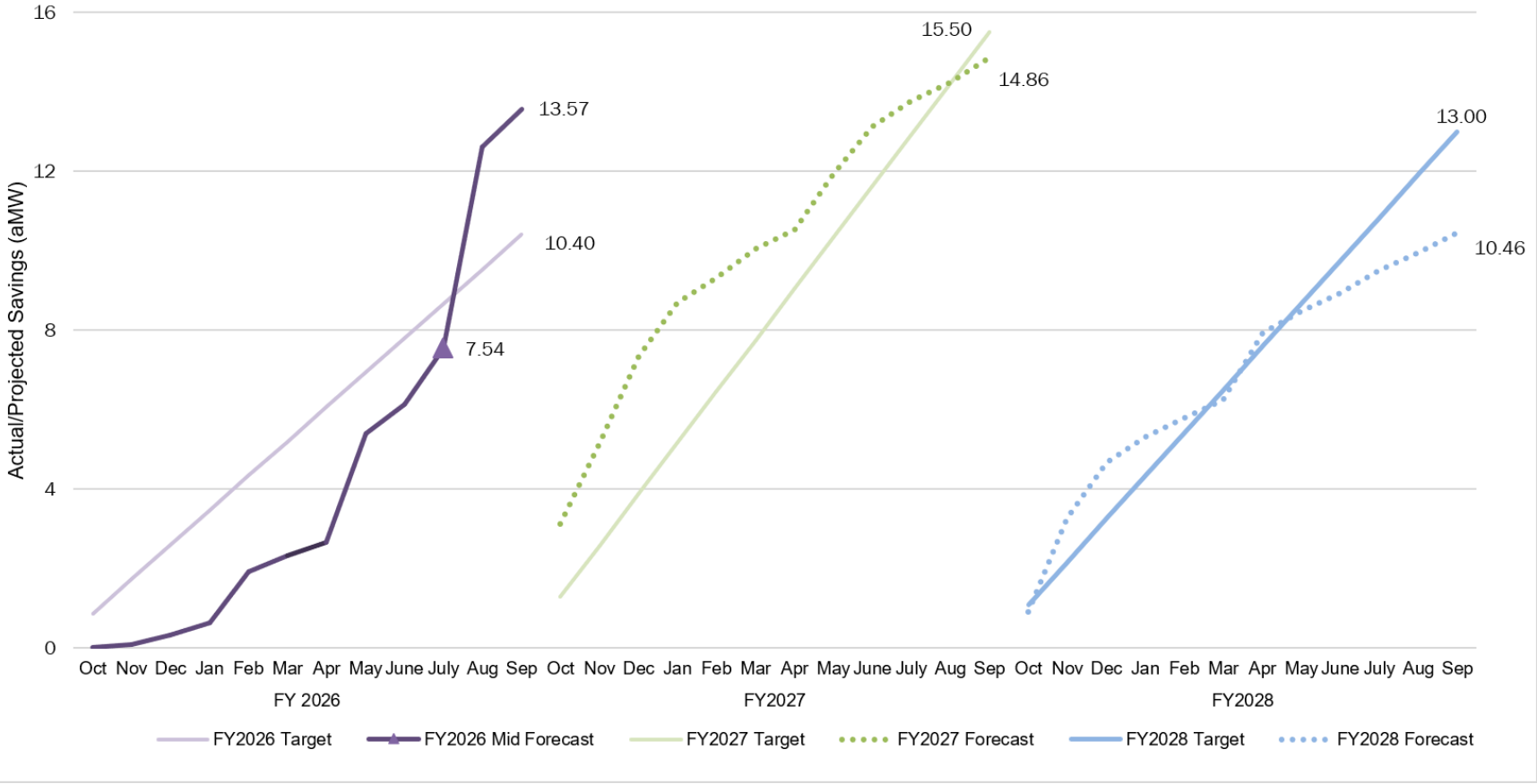

Pipeline Campaign Results Report Out

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Goals by June 30, 2026

NEW CUSTOM PIPELINE

+12 aMW

SEM ENROLLMENT

+20 New Participants

FY26 Pipeline Development Status Updates

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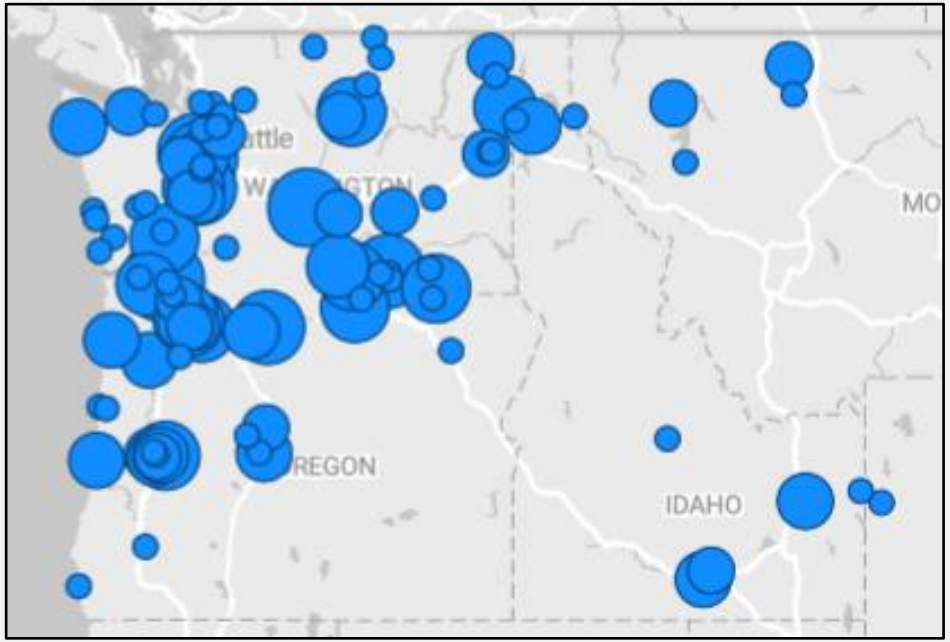
Jan 1st – June 30th: xxx new projects totaling to **xxx Million kWh (xx aMW)**!



Program Type	New Pipeline (aMW)
Custom Option 1	xx
Custom Option 2	xx
SEM	xx
Lighting and UES	xx
Total	**xx**

FY26 Pipeline Development Status Updates

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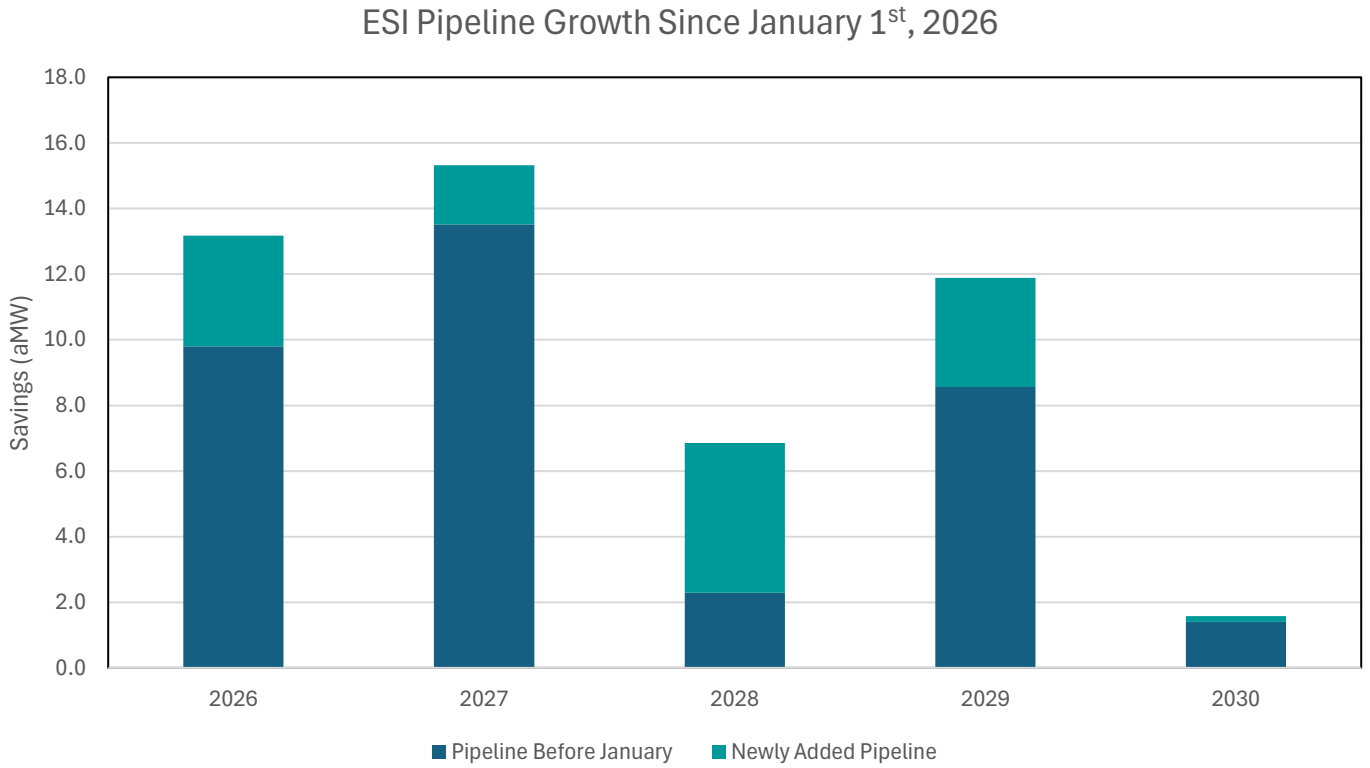

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Strategic Energy Management Updates

Indigo Teiwes – Energy Management Program Manager

Strategic Energy Management – Highlights

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Over 25 Current enrollments in Strategic Energy Management

- 2-year engagement
- Focused on low/no cost/operations projects
- Incentive from BPA is $0.04/kWh
- Can drive savings 2-8%
- There is a qualification process

Site Participants Prioritizing Energy Efficiency Opportunities, Bend Wastewater Treatment Plant, OR

Strategic Energy Management

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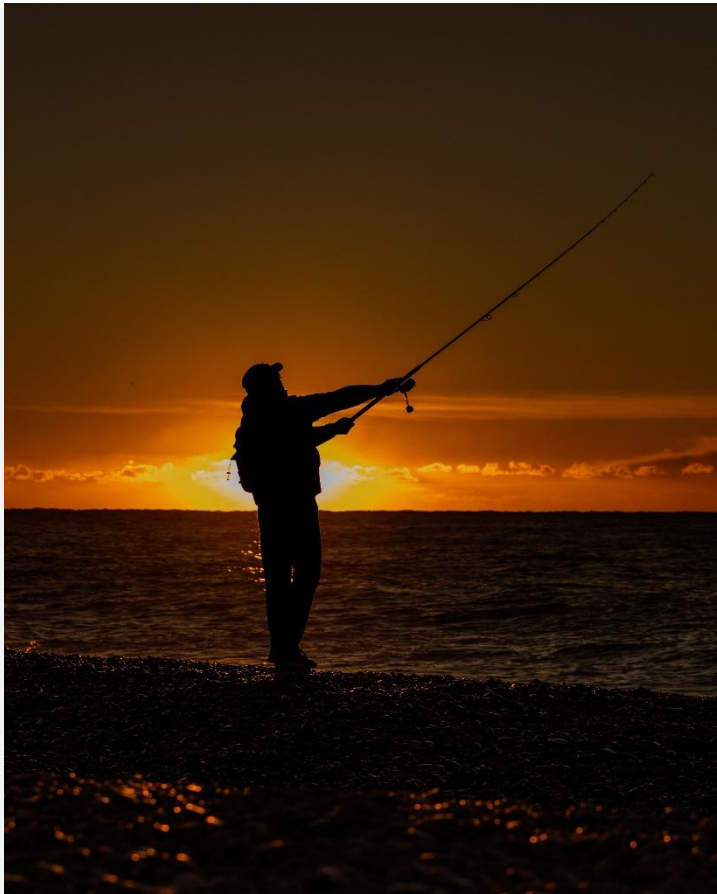
Teaching sites how to fish:

- How to understand and drive actions from energy consumption and performance data
- How to understand and manage equipment settings to optimize energy savings
- How to build organizational awareness and alignment on actions
- Enable ongoing, future energy management actions



New Training Opportunity for ESI Sites (Sept-Dec)
Refrigeration Efficiency Academy

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Refrigeration Efficiency Academy is a practical training program that helps industrial refrigeration professionals identify and act on energy-saving opportunities.

10 Interactive Online Courses

Participants build the skills to identify, evaluate, and pursue energy savings at their own facilities.

3 Live Expert-Led Sessions

Completion earns RETA*-endorsed professional development hours.

RETA – Refrigerating Engineers & Technicians Association

8–10 Professional Development Hours (PDHs)

Who Is It Built For?
What sites in your region would benefit?

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Existing and Prospective Strategic Energy Management Sites

- Technical and operational roles, spanning varied experience levels
- Experienced hands-on professionals with various levels of system knowledge but limited formal energy efficiency training
- Shift workers at 24/7 facilities who cannot leave for multi-day training

Course Designed to Overcome Training Barriers for Refrigeration Sites

- Fits Shift Schedules
- Preserves Human Connection via three live expert-led sessions
- Relevance – Examples and activities connect directly to real refrigeration systems
- Provides practical tools to identify and estimate energy-saving opportunities

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Refrigeration Academy Training

- Suggestions for site participation?
- Please reach out to your ESIP before 8/31/26

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Rural Water/Wastewater Updates

Matt Smeraglio – Water/Wastewater Sector Specialist

Rural Wastewater Efforts

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- **4/29/26** Idaho Falls Water
- **4/29/26** Idaho Falls WWTP
- **5/19/26** Granite Falls WWTP
- **8/4/26** Twisp WWTP
- **8/5/26** Winthrop WWTP
- **8/5/26** Brewster Water / WWTP

- **8/26/26** WWTP Energy Efficiency Training
  Evergreen Rural Water of Washington's Fall Conference
  Yakima, WA

Key Updates

Reviewed completed and planned upgrades, including Well 8 VFD improvements and future Well 5 / Well 13-related work.

Source-selection and pumping-efficiency review identified potential savings by favoring the most efficient wells and pumping assets.

Pump VFD UES:	$180 per hp incentive 815 kWh per hp savings Threshold 100 hp or less

Well 13

JD Byerly – Chief Water Supply Operator

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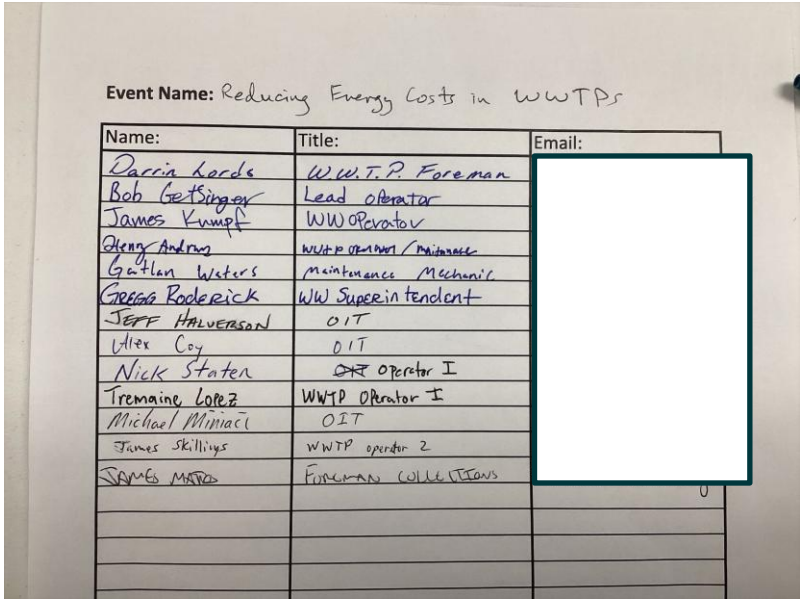
Key Updates

Conducted a WWTP energy efficiency workshop / operator training focused on practical energy-saving opportunities and BPA/ESI incentives.

Largest scoping opportunity: reduce aeration energy by testing lower turbo blower minimum speeds and lower DO setpoints. Preliminary savings: about 92,600 kWh/year.



Event Name: Reducing Energy Costs in WWTPs

Name:	Title:	Email:
Darrin Lords	W.W.T.P. Foreman	
Bob Getsinger	Lead operator	
James Kumpf	WW Operator	
Henry Andrus	WWTP Operator / Maintenance	
Gatlan Waters	Maintenance Mechanic	
Gregg Roderick	WW Superintendent	
Jeff Halverson	OIT	
Alex Coy	OIT	
Nick Staten	~~OIT~~ Operator I	
Tremaine Lopez	WWTP Operator I	
Michael Miniaci	OIT	
James Skillings	WWTP operator 2	
James Mathis	Foreman Collections	

WWTP Efficiency Training Attendance

Key Updates

Scoping calculations showed approximately 268,000 kWh/year of total potential savings.

Measures: Pump VFD upgrades, aeration blower VFDs, selector blowers, digester blowers, and UV optimization.

Engineer is currently Studying.

Key Updates

Reviewed recently completed plant upgrades and discussed next step for project close-out

Largest future opportunity in scoping: equalization basin jet mixer VFD project, estimated at about 24,000 kWh/year.

Total savings for all projects is about 100,000 kWh/yr

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Key Updates

Reviewed a nearly complete UV system upgrade, expected to be complete around September 2026.

New UV System in Construction

Photo Credit: Methow Valley News

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Key Updates

Identified a simple lagoon surface-aerator timer project, estimated at about 57,900 kWh/year savings (50% energy savings).

Requested preliminary design documents for the future WWTP replacement to incorporate energy efficiency opportunities during design.

Lagoons on a Smokey Day

UEC Lamb Weston Hermiston Dry Peel Custom Project - Highlights

LW Hermiston Completed A Dry Peel Project on March 2026

- Project consisted of 2 parts:
  - Peeling system motor power reduction by 212 hp
  - Water reduction by 259,000 GPD

- NEBs totaled $1,592,488 and included the following:
  - Increased process “uptime” $62,912
  - Recovery (Peel Waste) saving $179,576
  - Lost production from forced shutdown due to water permit violation $1,350,000

*Water savings derived from savings in reclamation costs to filter the process water.

- Upcoming Big Check Ceremony on 8/26 at LW Hermiston

Savings

- Motor HP Saving 821,599 kWh

*Water Reduction Savings 484,208 kWh

- O&M Savings $102,300

- Final Incentive $217,775

Big Bend Electric – Project Success Poster

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SETTING THE ATMOSPHERE FOR ENERGY SAVINGS

Douglas Fruit's Storage Expansion Is Real A-Peeling

DOUGLAS FRUIT

Project Overview

Douglas Fruit received nearly $237,700 in incentives from Big Bend Electric Cooperative, Inc.

Douglas Fruit, located in Pasco, WA, harvests, packs, stores, and ships apples and a variety of stone fruits, and relies heavily on controlled atmosphere (CA) rooms to keep its fruit fresh. In late 2024, the site constructed 20 new CA rooms that were designed to handle increased demand for cooling and storing apples and other fruit. The existing Machine Room 3 was expanded with a new 500 horsepower (hp) ammonia compressor and a new evaporative condenser, and all 20 rooms' evaporator fans were outfitted with a variable frequency drive (VFD).

The new construction expansion project consists of a VFD installed on the #4 screw compressor package, a new high-capacity evaporative condenser with VFD-controlled fans, and 20 VFD-controlled evaporators with five 3 hp fans each. Together, these upgrades allow the refrigeration system to efficiently adjust to meet the various atmospheric demands the different types of fruit require, rather than running at a fixed speed, delivering significant reductions in energy use across compressor, condenser, and evaporator systems.

Annual Results

1,491,131 kWh
First Year Savings

$65,610
Avoided Energy Cost

Equal to **175** Pacific Northwest Homes' Annual Energy Use

Big Bend Electric Cooperative, Inc.

Bonneville Power Administration

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What ideas do you have to save energy?

Andy Logozzo Douglas Fruit 509.547.2727
Nicole Clavel Big Bend Electric Coop 509.659.1700
Austin Rogers ESI Partner 425.417.8532

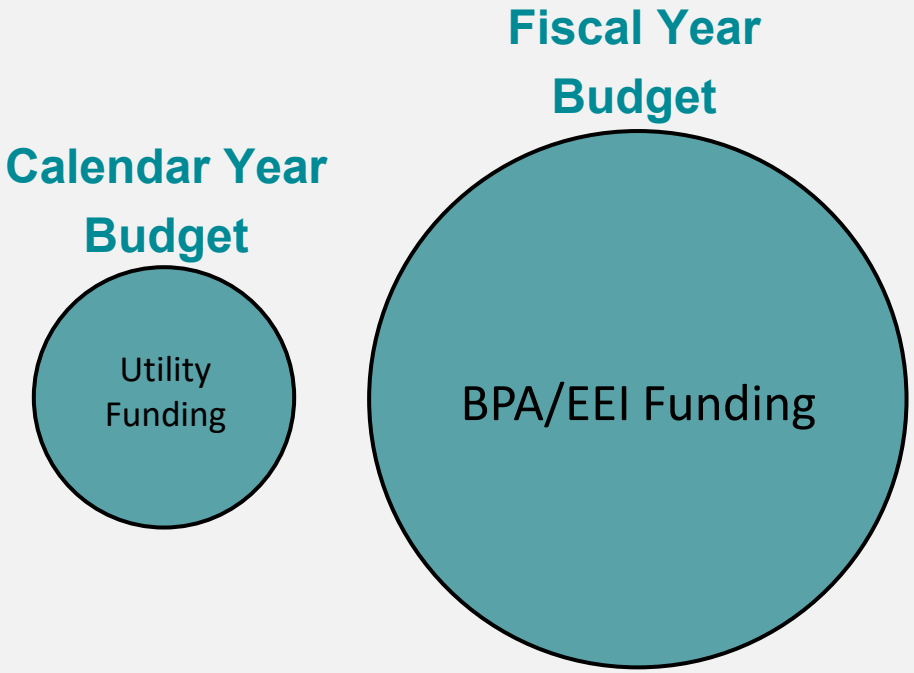
Franklin PUD - New Construction Projects

Being Proactive

=

Better Expectations

Budget Planning

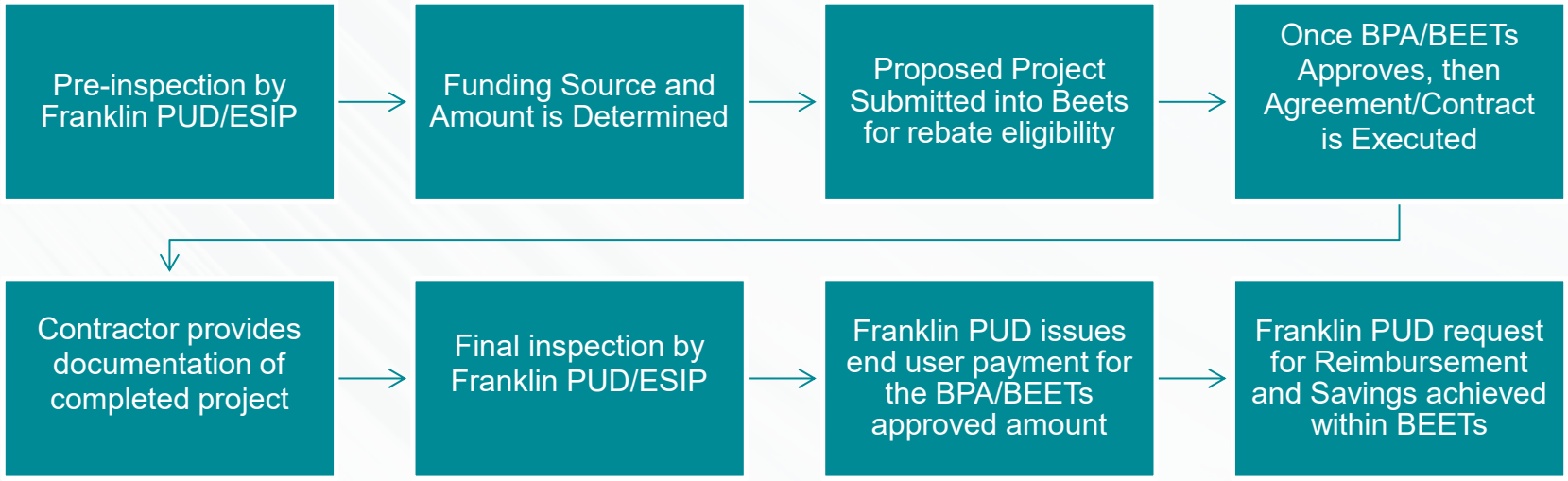


Budget Objectives

Meet kWh Savings Goals

50% minimum allocation of funds for Residential Income Qualified projects.

Project Approval Process



Managing Customer Expectations

- Partnership with ESIP
- Monthly Check in Meetings
- Site Visits with Customers
- Key Accounts Information

Determining Rebate Amount

- Funding Availability
- Project Savings
- Completion Timeline
- Balancing Customer requests across multiple projects to ensure a fair distribution of available funds.

UFG - Open Mic

Do you have any questions about today's presentation?

Is there a topic that is on your mind?

Utility Roundtable Schedule

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September 29-30, 2026 HOST: Kootenai Electric Coop	Eastern Washington Hub ECAEs: Lindsey Hobbs & Phillip Kelsven
October 14-15, 2026 HOST: Tillamook PUD	Oregon ECAEs: Phillip Kelsven, Brice Lang & Corinne Mauck
October 21-22, 2026 HOST: United Electric Co-op	Southern Idaho, Nevada & Wyoming ECAE: Kathy Yi
November 3-4, 2026 HOST: Tanner Electric Coop	Western Washington Hub ECAE: Brice Lang
DATE: To be announced *HOST: To be announced*	*C-BEASST*** *ECAE: Brice Lang* ***Clark, BPA, EWEB, Snohomish PUD, SCL, & Tacoma*

Reminders and Wrap-up

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- ESI Pump Systems' website - share link with end users
- Next ESI Utility Focus Group scheduled:
  - *November 17, 2026 (11:00 am PST)*
- Municipal Water/Wastewater Events:
  - Evergreen Clean Water Association (Yakima, WA)
    August 24-27, 2026
  - Pacific Northwest Clean Water Association (Spokane, WA)
    September 13-16, 2026

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Thank you!

For more information, contact:

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