



Energy Smart
Industrial

Utility Focus Group Meeting

November 12, 2024

FACILITATOR:

Eric Mullendore

Commercial & Industrial Sector Lead
Energy Efficiency
Bonneville Power Administration

Attendees

Name:

Aaron Frechette
Aaron Houseknecht
Andy Masa
Bill Hough
Brandy Neff
Chad Smith
Charlie DeSalvo
Dan Kinnaman
Danielle Hansen
David Harris
Jason Bird
Jennifer Langdon
Kim Johnson
Lori Froehlich
Maurilio Lopez
Rainee Habersetzer

Company:

Clark Public Utilities
Seattle City Light
Flathead Electric
Eugene Water & Electric Board
Pacific Northwest Generating Coop
Benton Rural Electric Assn
Columbia Rural Electric Assn
Grays Harbor PUD
City of Centralia
Springfield Utility Board
Idaho Falls Power
Cowlitz PUD
Okanogan PUD
Clark Public Utilities
Franklin PUD
Lewis PUD

Name:

Ben Graves
Bill Kostich
Brice Lang
Eric Mullendore
Jacob Schroeder
Jennifer Wood
Mariah Sullivan
Mike Chiu
Shelley Layton
Steve Martin
Todd Amundson
Todd Toburen
Victoria Odegaard
William Shartel

Company:

C&I Program Manager, BPA
ESIP, Cascade Energy
Energy Efficiency Rep, BPA
C&I Sector Lead, BPA
EM Program Manager, Cascade Energy
Industrial Program Manager, BPA
Customer Service Engineer, BPA
Contracting Officer's Technical Rep, BPA
ESI Program Specialist, Cascade Energy
ESI Operations Manager, Cascade Energy
Industrial Engineer Technical Lead, BPA
ESIP, Cascade Energy
ESIP, Cascade Energy
Industrial Program Specialist, BPA

Agenda

1. Welcome and Overview

11:00 – 11:05

Safety Update

Eric Mullendore

2. ESI & BPA Updates

11:05 – 11:30

ESI Program Updates

Steve Martin

SEM Update

Jacob Schroeder

BPA Updates

Jennifer Wood

3. UFG Open Forum

11:30 – 11:55

Project Spotlight

Aaron Houseknecht, Todd Toburen

US DOE Onsite Energy TAP

Steve Martin

Open Forum

Everyone

4. Wrap-up and Reminders

Steve Martin

Remaining Time

Cell Phone Safety

Cell phones are a leading cause of distraction-related car crashes. The National Highway Traffic Safety Administration reports that **cell phone use** is involved in 12% of all car crashes on U.S. roadways.

- **Set Up Navigation** before starting your journey
- **Enable "Do Not Disturb"** mode while driving
- **Pull Over** to make or take important calls
- **Bluetooth/Hands-free** may reduce risk, although it's still a distraction
- **Ask a passenger** to handle communications, when applicable




ESI Program Updates

Steve Martin – ESI Operations Manager

Welcome Victoria Odegaard!




Todd Toburen
Puget Sound



Bill Kostich
W. Washington, Clark



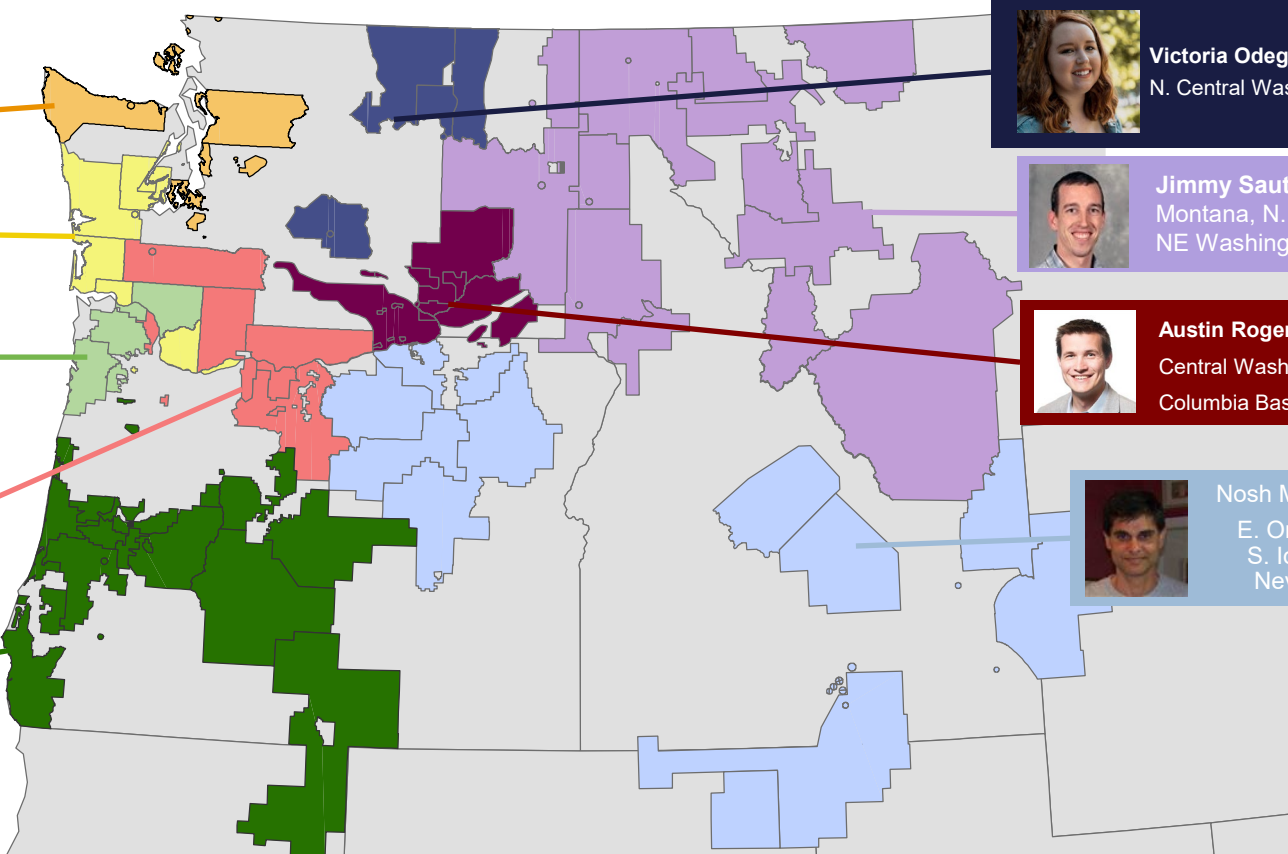
Henry Griffith
Cowlitz,
Clatskanie,
Tillamook PUDs




Christian Miner
Hood River,
Canby, Columbia
River




Ray Hardiman
S. Oregon,
N. California




Victoria Odegaard
N. Central Washington



Jimmy Sauter
Montana, N. Idaho,
NE Washington



Austin Rogers
Central Washington,
Columbia Basin



Nosh Makujina
E. Oregon,
S. Idaho,
Nevada

ESI Key Objectives – Status Update

Achieve Industrial Savings Targets

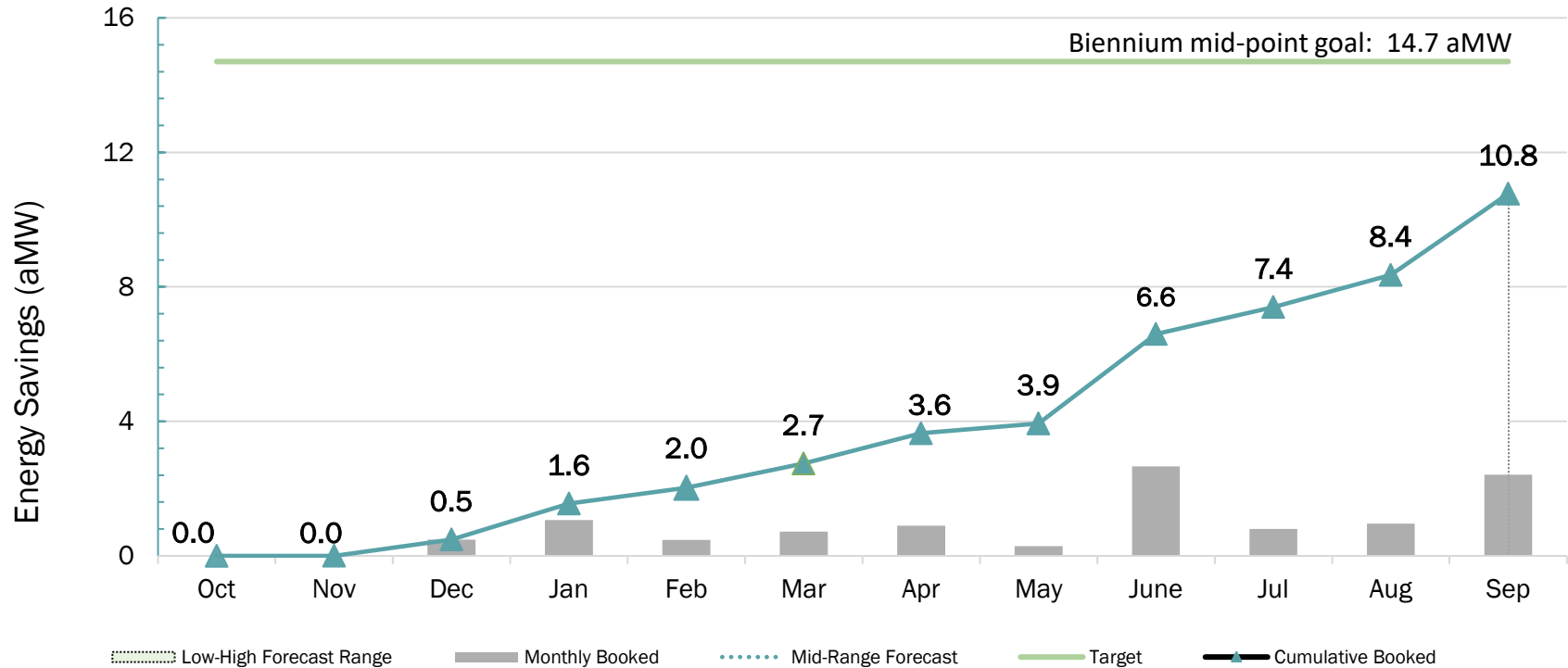
- Stay on track to achieve BPA EE Action Plan target of 29 aMW
- Help utilities hit their goals



Support EPM and SEM Sites

Innovate and Prepare for New Technologies

FY 2024 Savings Update

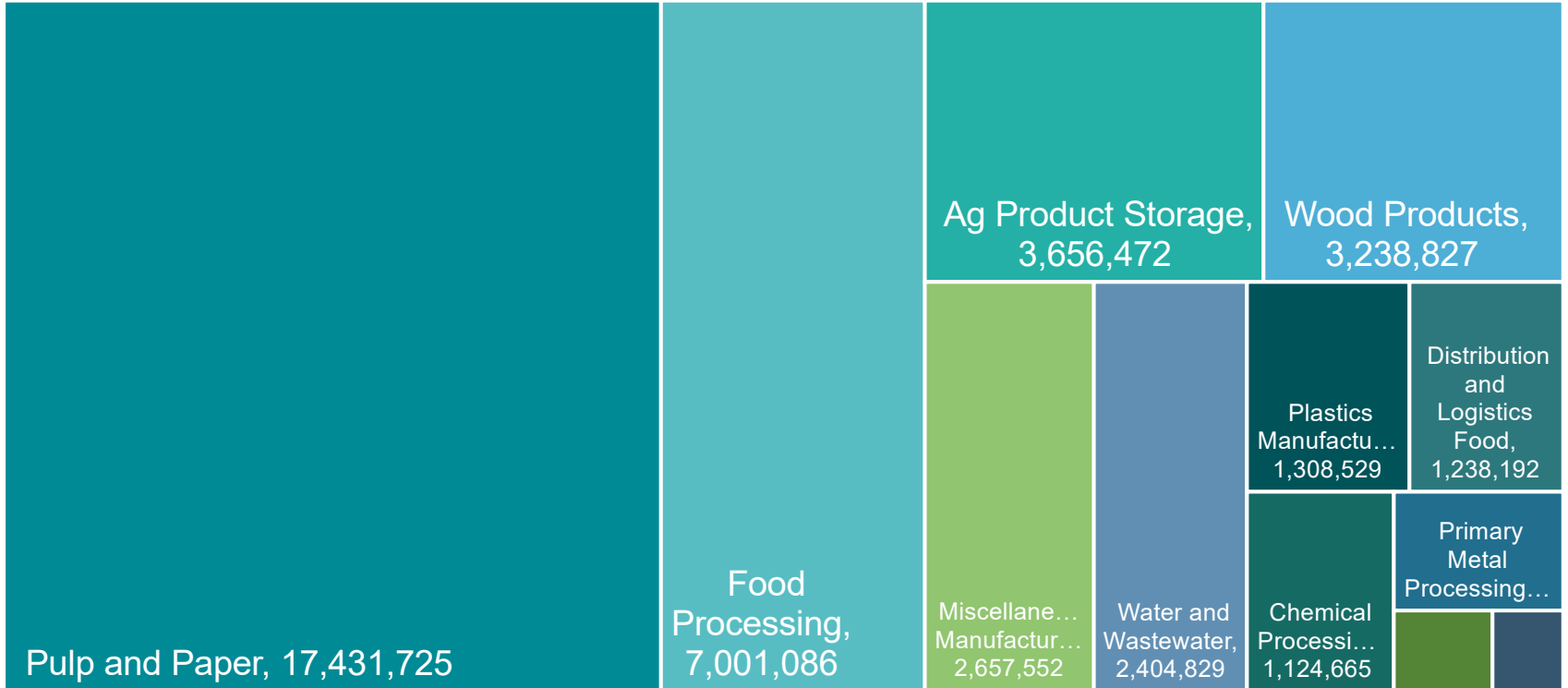


FY 2024 Savings by Measure Category

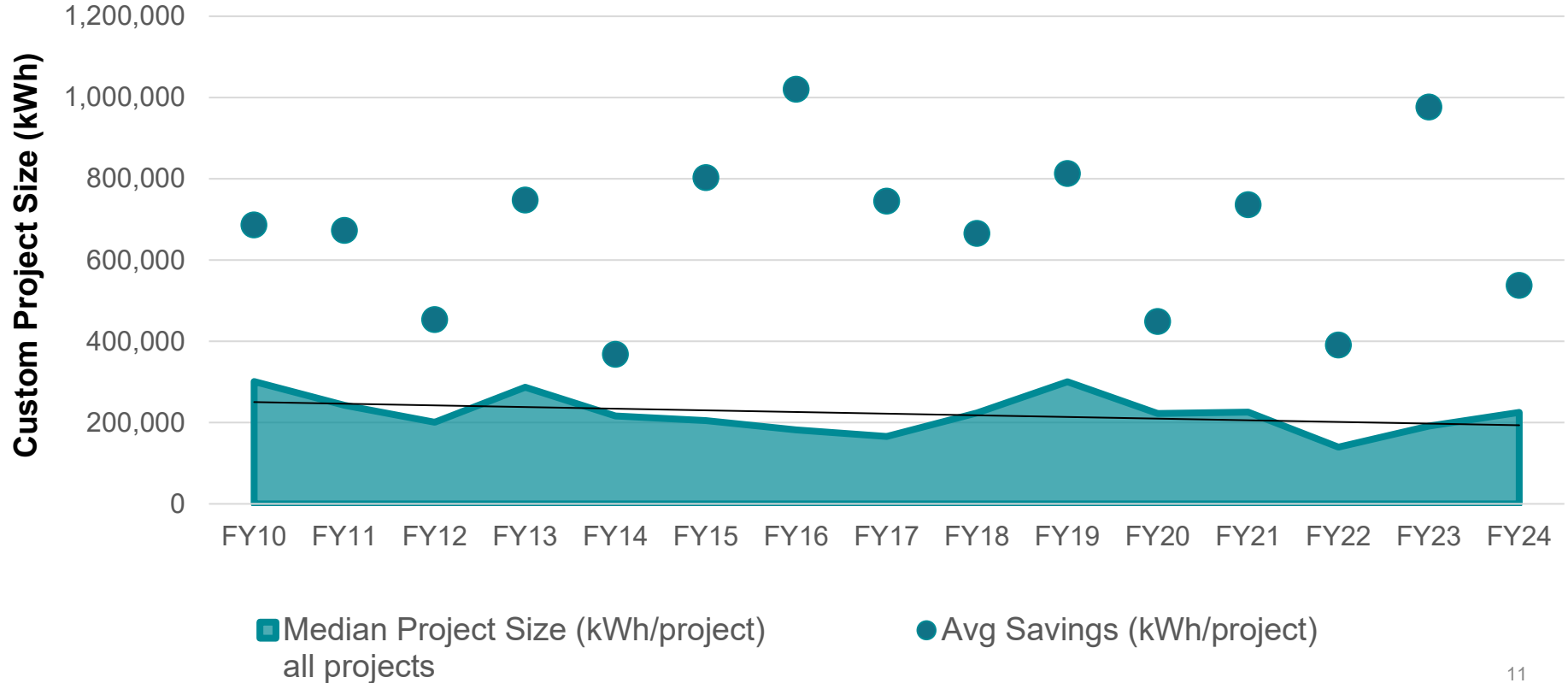


- Custom - 6.1 aMW
- Lighting - 3.8 aMW
- SEM - 0.6 aMW
- UES - 0.2 aMW

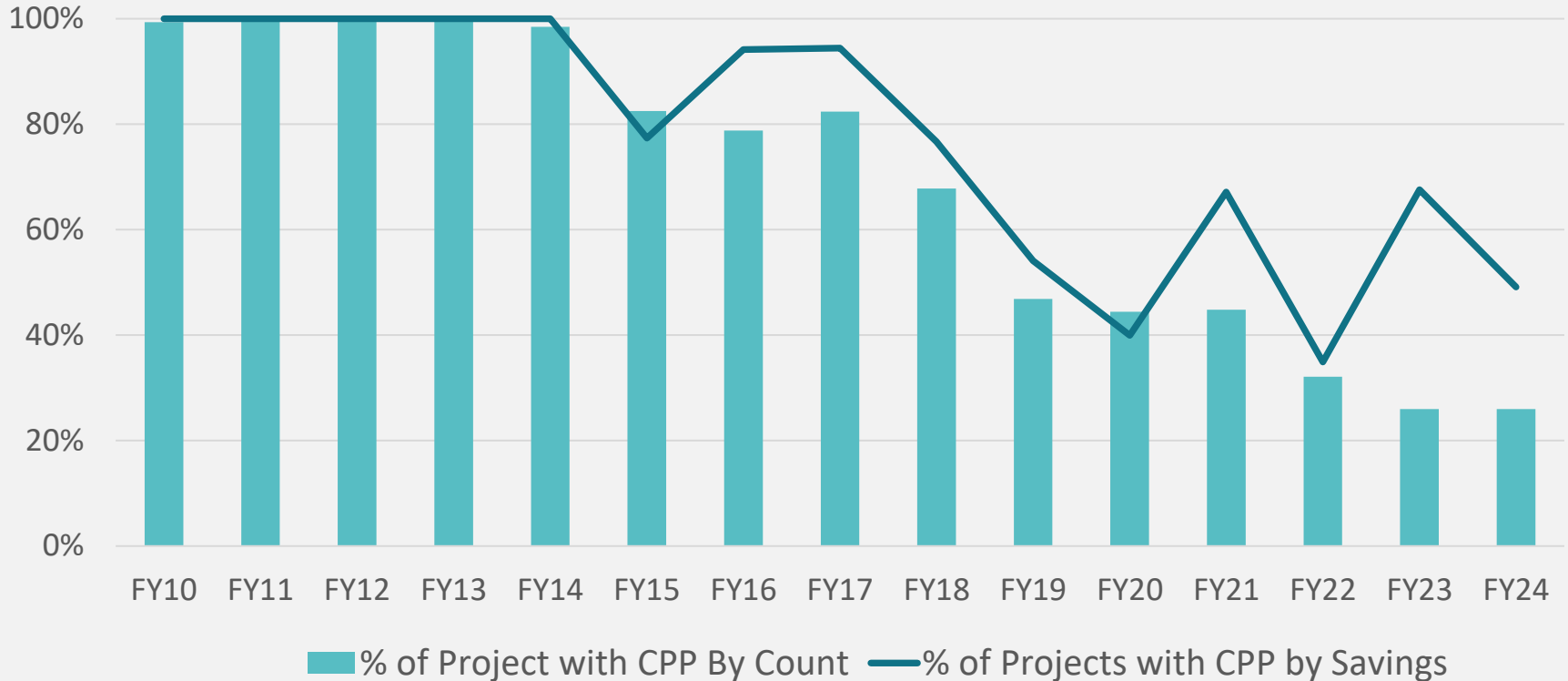
FY24 Custom Project Savings by Industry Segment



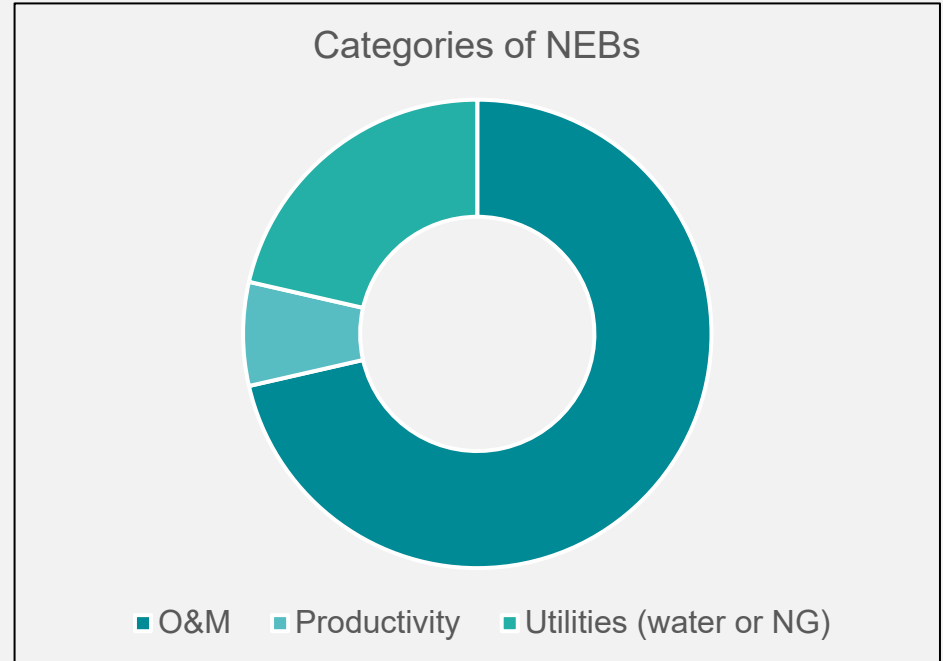
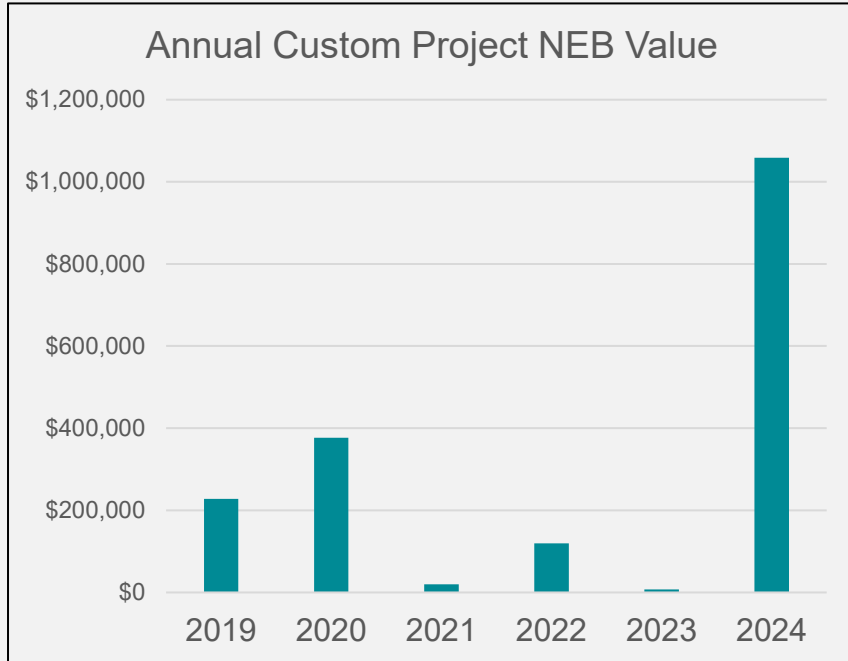
Custom Project Size Trend



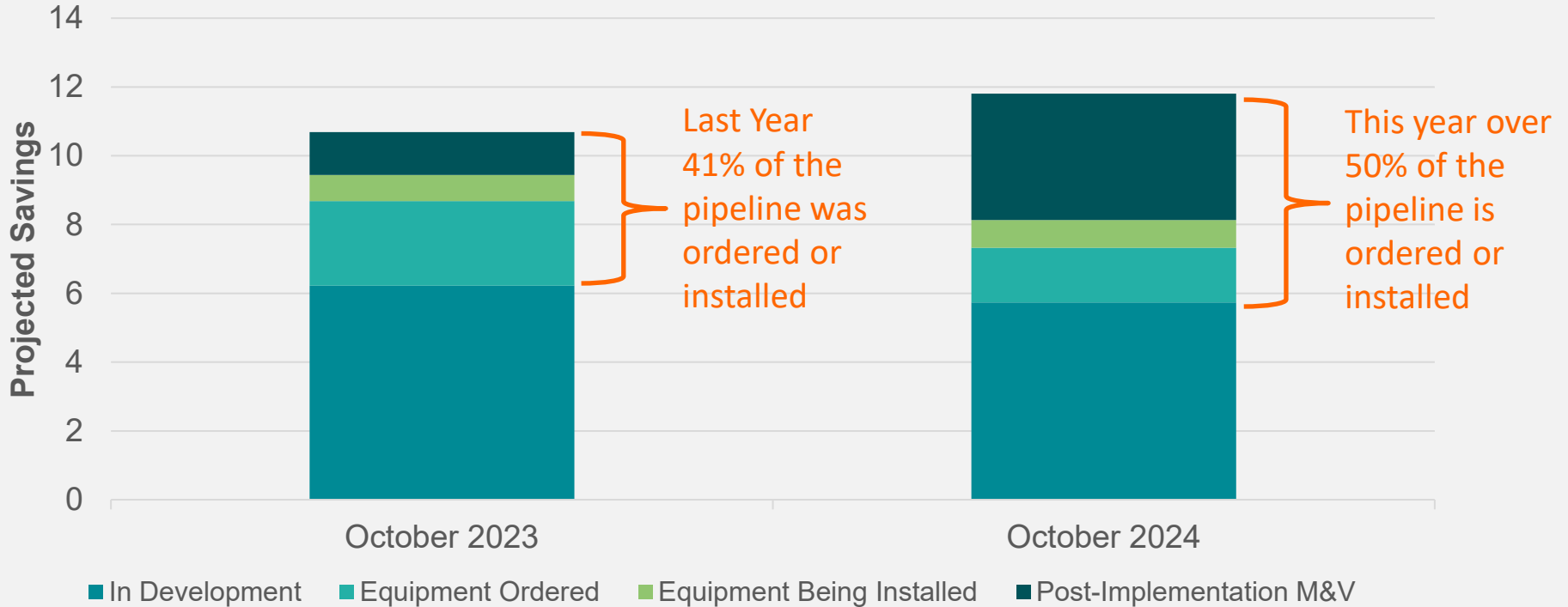
CPPs become less common, but still used for big projects



Increased Focus on Non-Energy Benefits



FY 2025 Pipeline



ESI Key Objectives – Status Update

Achieve Industrial Savings Targets

Support EPM and SEM Sites

- Help ≥ 20 EPM s complete at least 1 project in 2024
- Help Timber and Wood Products SEM Cohort with a strong start to Year 2



Innovate and Prepare for New Technologies

- Complete Phase 1 IHP Market Study
- Promote new UES Pump Measures

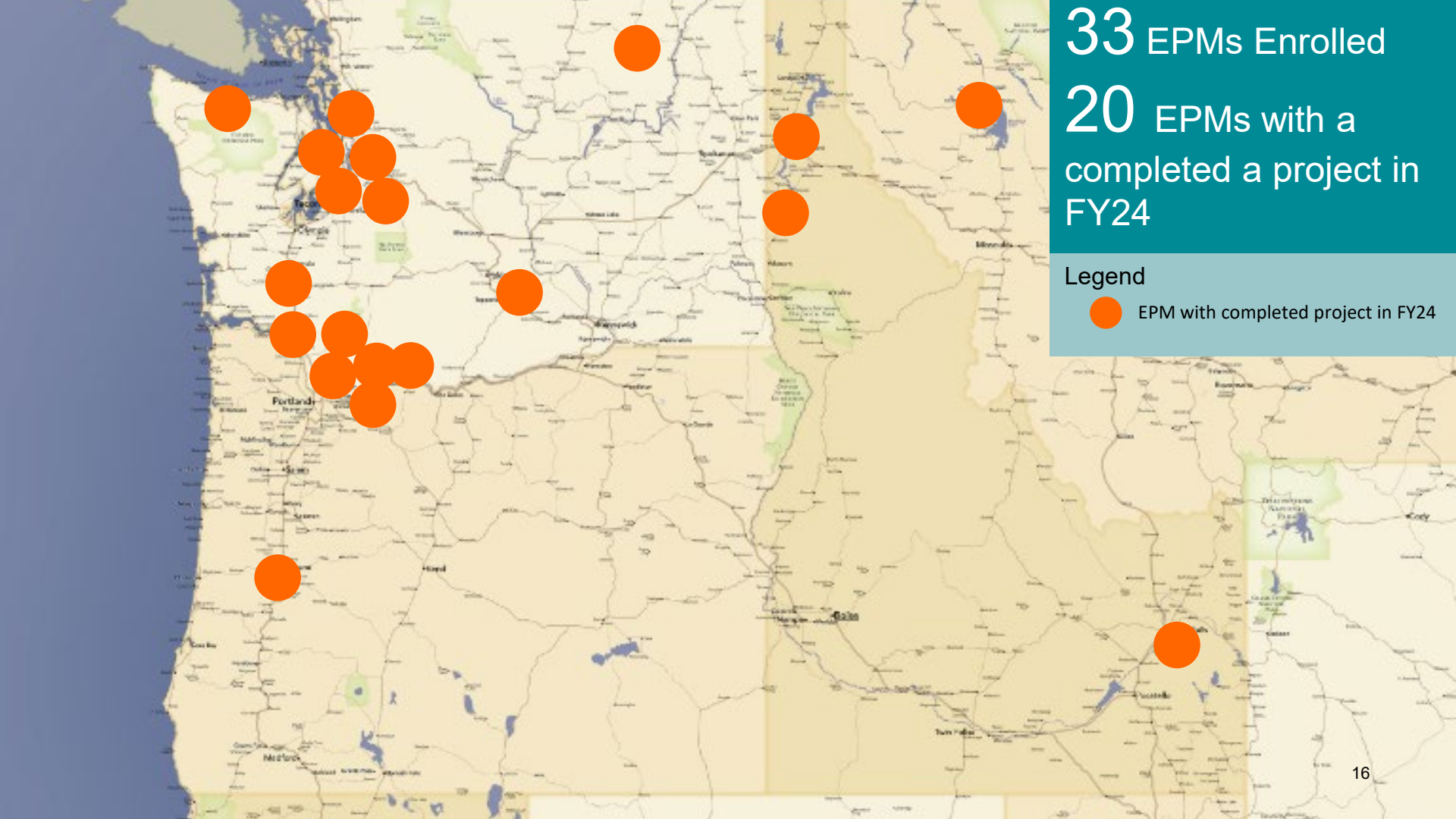


33 EPMs Enrolled

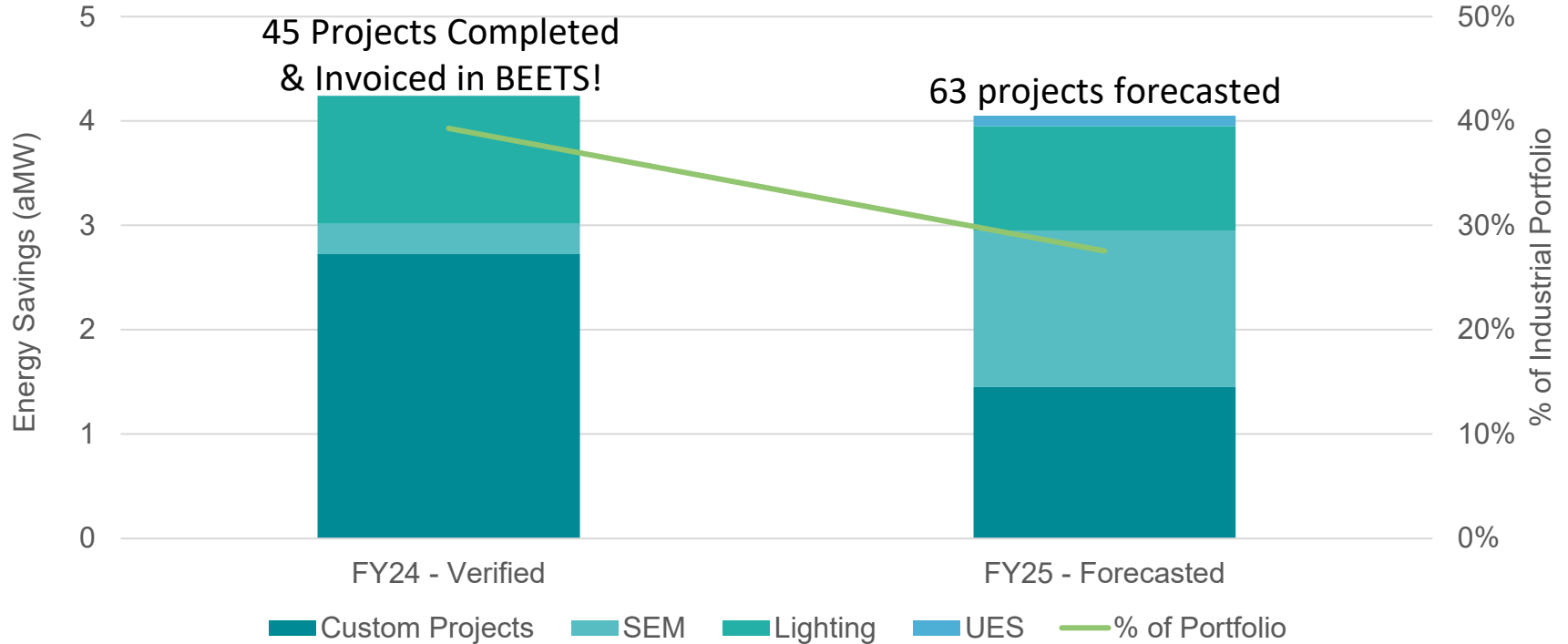
20 EPMs with a completed project in FY24

Legend

 EPM with completed project in FY24



EPM FY24 Results



Strategic Energy Management Update

Jacob Schroeder – ESI EM Program Manager

The Great SEM Race

Complete **3** projects in 100 days (June 18 – Sep 28)

2



1



Weyerhaeuser



FLATHEAD ELECTRIC
— COOPERATIVE —
Community. Innovation. Reliability.

The Great SEM Race

Complete **3** projects in 100 days (June 18 – Sep 28)

16 Great SEM Race projects completed

3.2 million kWh/yr

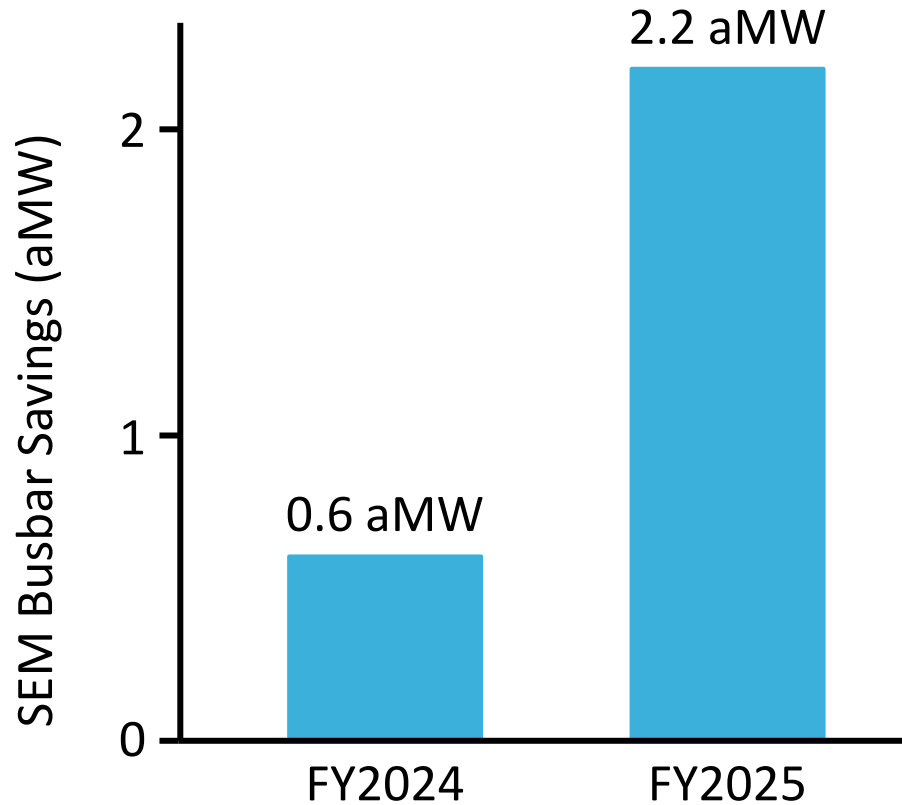
The Great SEM Race

Complete **3** projects in 100 days (June 18 – Sep 28)

26 projects completed

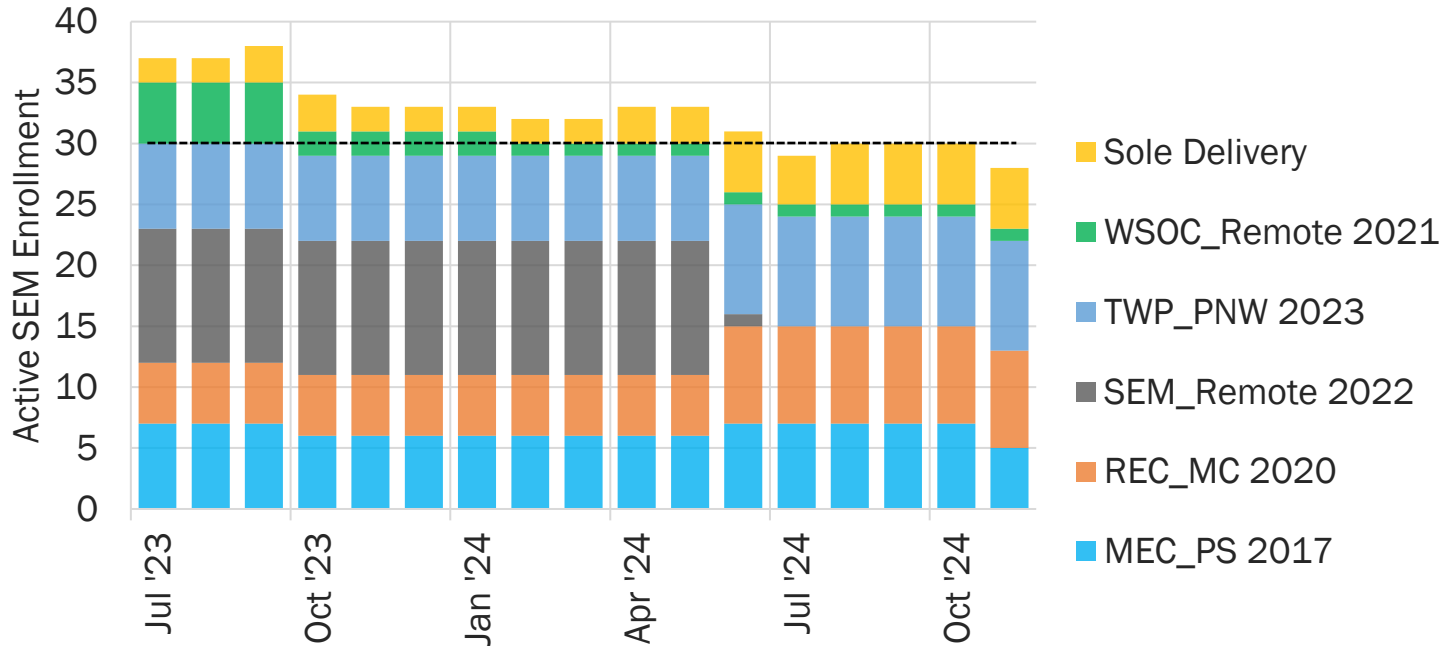
3.6 million kWh/yr

SEM Savings Update



Active SEM Engagements

Enrollment by Month and Cohort



Energy Management: Strategic Re-Enrollment

Key Characteristics

- History of active participation
- Continued executive support and team bandwidth
- Plan to implement projects with savings within the next 12 months

Resources for Graduates

- Operations-based custom projects
- Energy Project Managers (EPM)

Upcoming SEM Delivery Focus



Continuing to focus on Sole Delivery SEM and tune-ups.



Know any good candidates?
Let me or your ESIP know!

BPA Updates

Jennifer Wood – Industrial Program Manager

A very BIG milestone...



A few accomplishments

- **Utilities enrolled:** 119
- **Projects completed:** over 7,000
- **First-year savings:** over 240 aMW
- **Cumulative economic benefits:** more than \$850 million in avoided costs

Thanks, to ALL of YOU!

Other updates

Status of Contract Recompetition



- Completed the Request for Information (RFI)
- Preparing Request for Proposals (RFP)
- Intention to maintain program continuity

Rate Period FY2026-27 Implementation Manual



- IM Revision cycle for next Rate Period, underway
- Recommend incentive and/or measure updates; email Eric Mullendore or your EER and cc Jennifer Wood

Project Spotlight

Aaron Houseknecht – Sr. Energy Mgmt Analyst, Seattle City Light
Todd Toburen – Energy Smart Industrial Partner (ESIP)

BARRELS OF ENERGY SAVINGS

Micro chiller adjustment saves mega plus new fast door cuts out drafts



FREMONT.
SEATTLE · EARTH

Project Overview



The Fremont Brewing energy team.

With the guidance of Seattle City light and Energy Smart Industrial Partner (ESIP), Fremont Brewing's plant identified a great durable O&M project as well as a super efficient custom upgrade.

Reduced Chiller Discharge Pressure

The main chiller discharge pressure setpoint was at 250psi with a 20psi differential. After logging current on the chiller for four weeks and confirming with the refrigeration contractor, the setpoint was lowered to 200psi with a 10psi differential.

Upgraded High Speed Door

The beer cooler existing hard door was replaced with a high speed roll up door.

Annual Results



348,800 kWh
First Year Savings



\$38,000
Avoided Energy Cost



32 Avg. NW Homes
Powered by
Energy Saved



What ideas do you
have to save energy?

Matt Lincoln, Fremont Brewing Company, 206.420.2407
Aaron Houseknecht, Seattle City Light, 206.684.3800
Todd Toburen, ESI Partner, 503.915.1431

Onsite Energy Technical Assistance Partnerships



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AK, ID, OR, WA

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Southcentral
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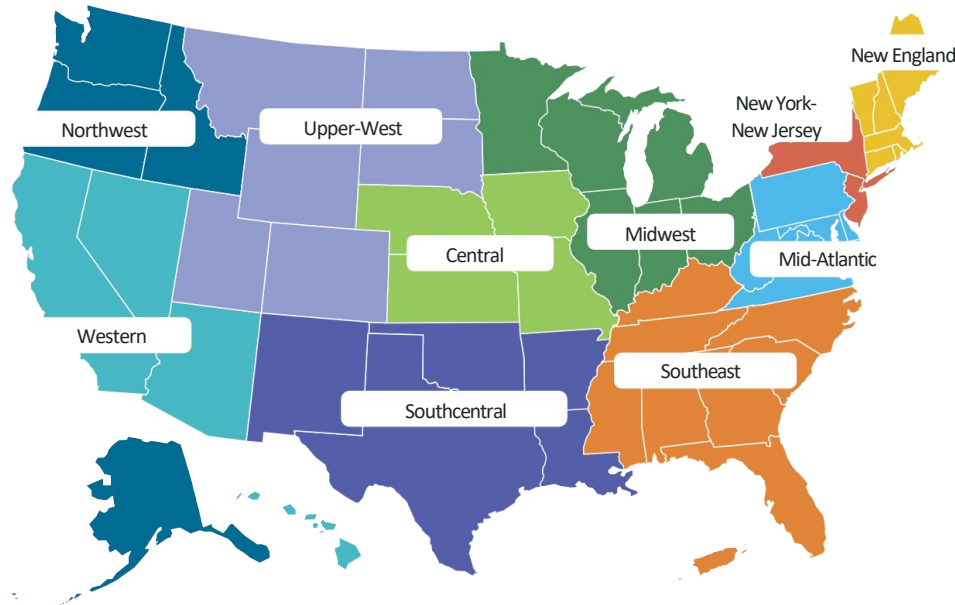
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Onsite Energy Technical Assistance Partnerships
U.S. DEPARTMENT OF ENERGY



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WSU Energy Extension US DOE TAP Informational Webinar

December 4, 2024 11:00 – 11:45



<https://wsu.zoom.us/meeting/register/tJUqcuygrDwoHdf1RqWVDOP6T2FRWGVp4rHe#/registration>

Utility Focus Group Open Forum

Discussion with Utility Focus Group Members

- Other topics

Wrap-up and Reminders

- **Fan Energy Index Efficiency Symposium***
 - Wednesday, December 4, 2024, Boise ID
 - Thursday, December 5, 2024, Spokane, WA

*Hosted by Twin City Fan Companies, Ltd. and BetterBricks

- **Next Utility Focus Group Call**
 - Tuesday, February 11, 2025, 11:00-12:00 PDT

Thank you!

For more information, contact:

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Supporting materials