### Energy Smart Industrial

# Utility Focus Group Meeting

#### February 14, 2023

#### FACILITATOR:

Kyle Barton Energy Smart Industrial Program Manager Energy Efficiency Bonneville Power Administration

### **Attendees**

#### Name:

Alan Fraser Bill Hough Billy Curtiss Amanda Wagnon Amy Walton Anita Clever Dan Kinnaman David Harris Eric Miller Jennifer Langdon Kelsey Lewis Lori Froehlich Maurilio Lopez Ryan Perry Ryan Westman Tara Maynard Terry Mapes Travis Hardy Wade Carey

#### Company Name:

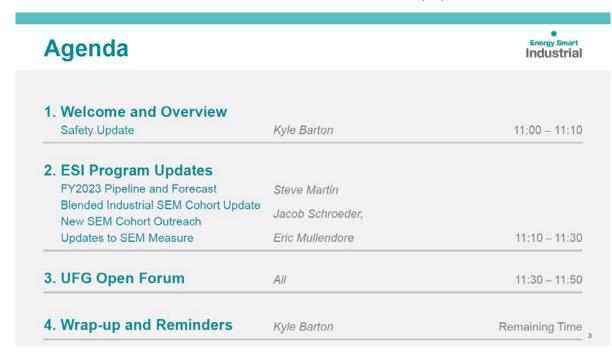
Tacoma Power Eugene Water & Elect. Board Eugene Water & Elect. Board Springfield Utility Board Lower Valley Energy Klickitat PUD Grays Harbor PUD Springfield Utility Board Benton REA Cowlitz PUD Snohomish PUD **Clark Public Utilities** Franklin PUD Tillamook PUD Milton-Freewater L&P Grays Harbor PUD Benton PUD Northern Wasco PUD Central Lincoln PUD

#### Name:

Brice Lang Eric Mullendore Jacob Schroeder Jennifer Wood Jimmy Sauter Kyle Barton Mike Palmer Shelley Layton Steve Martin Tony Simon

#### Company Name:

Bonneville Power Administration Bonneville Power Administration Cascade Energy Contractor for Bonneville Power Administration Cascade Energy Bonneville Power Administration Bonneville Power Administration Cascade Energy Cascade Energy Cascade Energy K. Barton: Welcomed everyone, **Slide 3** – did a quick review of the meeting agenda and turned it over to Steve Martin for this month's Safety Update.



S. Martin: **Slide 4** - this year is off to a strong start, the team is active. Safety culture starts with safety training. And many sites have their own safety training, which the ESI team completes prior to visiting.

Of course job planning and the M&V Safety Policy helps eliminate many of the hazards.



## Steve M.: Slide 5 – Many of the region received snow today. And one of the most hazardous things we all do, is driving. Here are some good reminders.

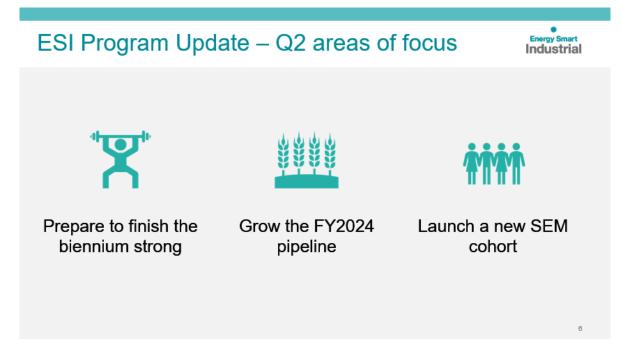
Winter driving conditions are not behind us, yet.



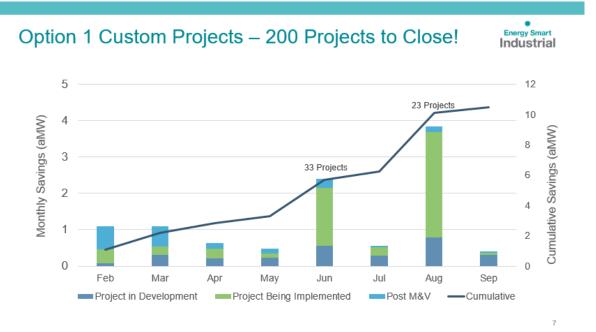
One **key** winter driving tip - Give yourself plenty of distance to brake safely. Remember, it's always best to slow down whenever the weather is bad.

Following these suggestions will improve our safety while on the road.

**Slide 6** – Each quarter we identify three big items that we're focused on – with 8 months remaining of this biennium.



### Steve M.: Slide 7 – Some things we can do to finish 2023 strong. There are 200 Option 1 Custom Projects in the pipeline with completion dates through September 2023.



M&V gets back loaded at the end of the FY, currently 20% of our project volume is in Post M&V status. Our internal goal is to have 50% of this pipeline in Post M&V by the end of March. The data in the chart shows that we've got a spike of projects being implemented in June and August.

We appreciate your support. At times facilities can be motivated by their utility reminding them that the sooner they complete the M&V and provide cost documentation, the sooner they will receive the incentive check.

## Steve M.: **Slide 8** – Forecasts have been a bit of a challenge the past few years, and we generally provide a range of outcomes based on historic conversion rates.

# FY 2023 Forecasted Range – all measures



This year had a slow start plus the launch of BEETS – roughly 60 projects have been submitted and 20 have reached the "ready to invoice" status. There are several factors that we project the end of year to be just above 15 aMW or more, if projects can be converted in the pipeline.

**Slide 9** – The industrial custom project life-cycle is 14 months – the goal we've established is simple. Started the quarter with 3 aMW and the goal is to double it (6 aMW) by March 30. We're a little behind, but we're close to adding a few large projects.



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#### Steve M.: The team has four key areas of focus:

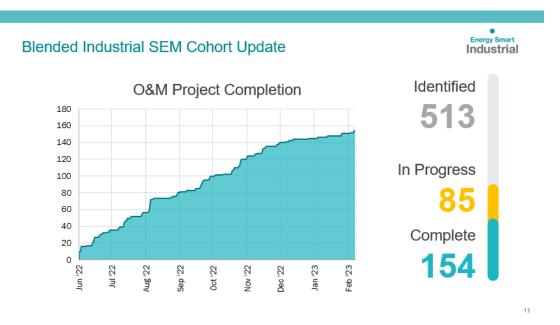
- Site visits looking at processes and identifying project opportunities.
- Project analysis ESIPs are doing scoping calcs to identify projects warranting deeper analysis by TSPs
- Energy Project Managers we have two enrolled and several new prospects. With the reduced savings threshold, no longer requiring salary documentation and other simplifications to the EPM measure.
- Strategic Energy Management We're working to closeout year 1 of the 2022 Spring SEM Cohort and preparing to launch a new cohort – I'm not going to "steal Jacob's thunder."

How can utilities help ESI with EPM/SEM recruitments? Introductions and talk to your ESIP about any end users you think could be a good fit.

**Slide 10** – We have a new info sheet – it's a great tool that conveys the value that EPMs can bring your end users. Ask your ESIP for a copy.

EPM Outreach		Energy Smart Industrial
EPM information sheet designed to engage prospects and concisely explain outcomes and steps to enroll. Now available on BPA's website:	<image/> <section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><text><text><text><text><text><text></text></text></text></text></text></text></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>	<section-header><section-header><section-header><section-header><image/><image/><image/><section-header><list-item><section-header></section-header></list-item></section-header></section-header></section-header></section-header></section-header>
<u>esiepmonepager11.pdf</u> (bpa.gov)	Energy Project Maagare offening for over ten years. Increased energy offeniosy awareness programmatic assistance, and salary support have all helped bring down manufacturing: costs and generate energy susping towards will by goit. . Zenon yea income year income years come and the salary support of the salary support of the salary come and the salary support of the salary support of the salary come and the salary support of the salary su	Control Carlow State Carlow Carlow (effort State Control to Research Angel State Carlow (effort State Consistent Carlow (effort State S

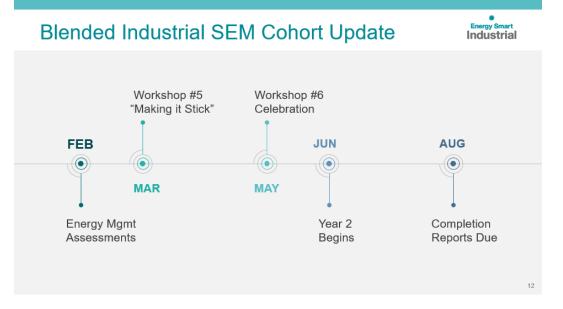
We have some new and exciting things happening with SEM and Jacob is going to share.



J. Schroeder: I'm "bringing the thunder." **Slide 11** – shows the progress that the 2022 Spring SEM Cohort has made.

See continual progress, a little slowdown over the holidays, but we're now seeing things pickup.

Jacob S.: Slide 12 – Our SEM coaches are delivering Energy Management Assessments during site visits to assess their energy management program, strengths, weaknesses and next steps to help them improve.



In March, Workshop #5 will focus on persistence of savings. May will bring an end to Year 1 and we'll schedule a celebratory Workshop #6 and prepare sites for Year 2 that starts on June 1.

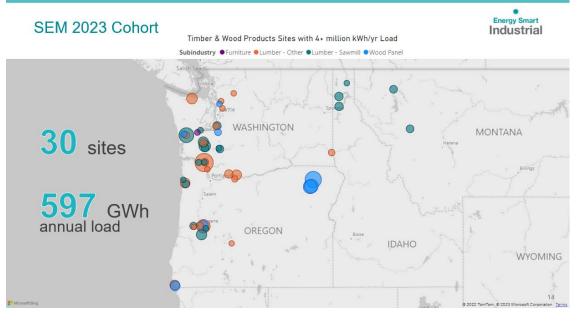
Jacob S.: Our team will do all we can to ensure Completion Reports are submitted before the end of the fiscal year – our goal will have them ready by the end of August.

**Slide 13** – The Year 1 forecasted savings is 4.1 million kWh – with over half of the savings are coming from four timber and wood product industries.

We are hoping to build on this by launching a new SEM Cohort



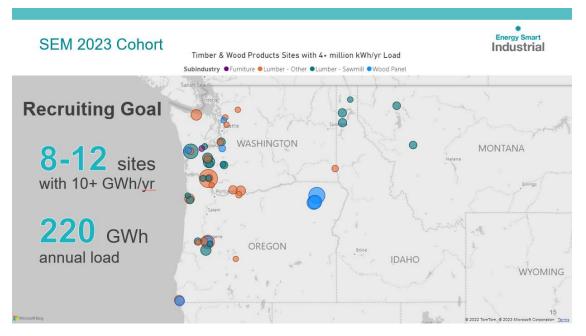
**Slide 14** – In the past, we have engaged with timber and wood product sites and there are at least 30 sites within BPA's territory with an annual load of over 4 million kWh, many are not currently engaged in SEM.



Many of them share common systems to ensure the technical training is relevant to everyone in attendance.

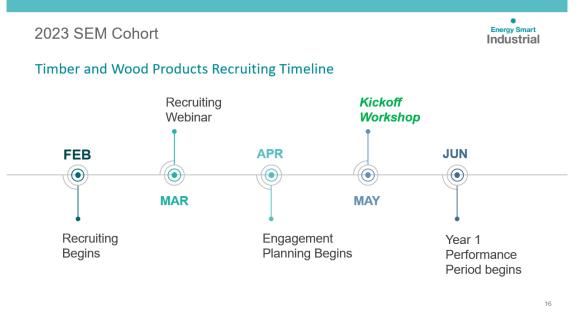
Jacob S.: Our goal is to recruit roughly one-third of these industries in our upcoming cohort.

**Slide 15** – We are targeting 8-12 sites focusing on those with an annual load of at least 10 million kWh.



This could be a combined annual load of about 25 aMW.

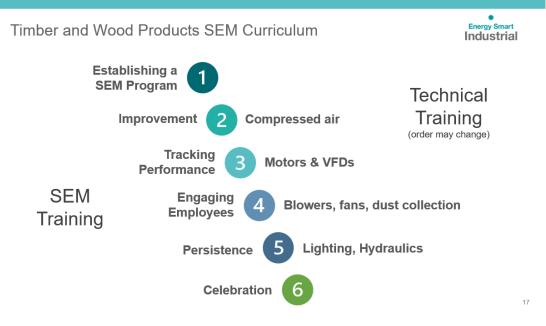
**Slide 16** – Our goal is to launch the new cohort in late May so the performance period will begin June 1.



The ESIPs have started recruiting – reaching out to utilities to gauge interest, and to begin reaching out to some of the sites. In late March or early April we will host an informational webinar for utilities and perspective participants to learn more about SEM and meet the delivery team.

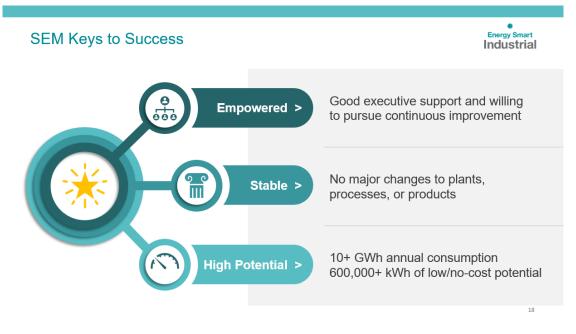
Jacob S.: In April we will begin our engagement planning and scoping to prepare for a successful kickoff.

**Slide 17** – As with the 2022 SEM cohort, this cohort will follow a hybrid delivery of remote workshops and in-person treasure hunts, site visits, etc.)



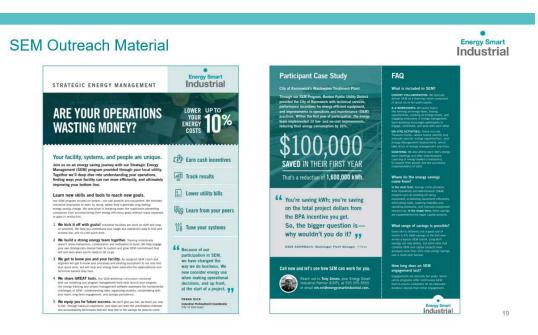
There will be six trainings that combines SEM training with technical training. Ensuring the technical topics are relevant to each cohort participant.

**Slide 18** – Here are three characteristics that make for a successful SEM participant.



The ESI Program has prepared a new SEM outreach flyer "hot off the press..."

Jacob S.: Slide 19 – ESIPs have a one-pager that includes a personalized touch – the ESIP name and contact information. However, if you would like it more customized to include your utility representative contact information, please reach out to your ESIP.



Up next is Eric Mullendore, he's going to talk about the updated SEM offering.

E. Mullendore: We wanted to provide you with a quick recap on BPA's SEM Persistence Evaluation. **Slide 20** – Two key findings, the effective useful life (EUL) for BPA's SEM measures is 8.5 years, with no significant difference based per SEM measure, equipment, or industry types.

SEM Persistence Evaluation Recap



- Covered 15 SEM participants and 108 individual measures
- Key Finding #1: Overall EUL for BPA's SEM measures is 8.5 years
- **Key Finding #2:** The estimated EUL does not differ significantly based on type of SEM measure, equipment type, or industry type.

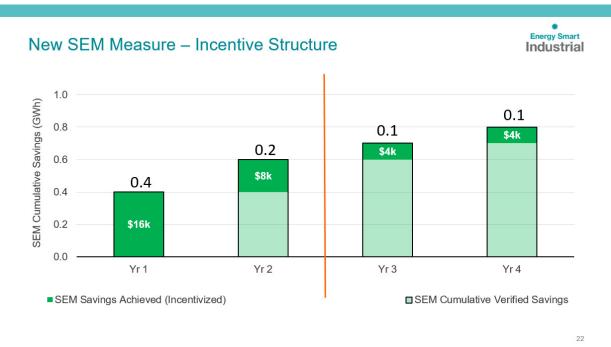
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Eric M.: **Slide 21** – For the existing SEM measure, incentives are based on the total SEM savings; whereas the new Multiyear SEM measure incentives will be based upon the incremental savings that result from the previous year's savings (similar to what utility performance payments are based upon).



The existing SEM measure assigns 1-year measure life to Year-1; whereas, the new Multiyear SEM measure assigns an 8-year measure life to Year-1.

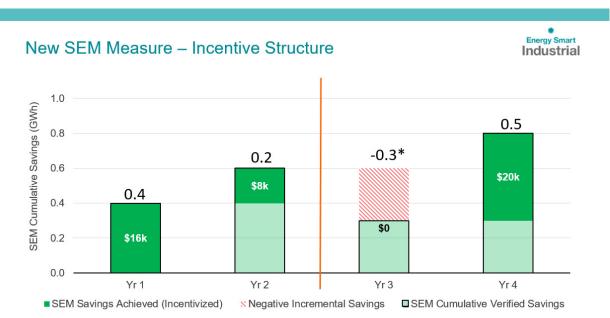
# Eric M.: Slide 22 – We wanted to show you how the incentives will look for the new Multiyear SEM measure.



Terry Mapes, Benton PUD: Asked that the cumulative savings be written in MW or kWh rather than GWh

- First two-year engagement
  - Year-1: \$16,000 incentive for 400,000 kWh of SEM savings achieved
  - Year-2 \$8,000 incentive for 200,000 kWh of SEM savings achieved
- Second two-year engagement
  - Year-3: \$4,000 incentive for 100,000 kWh of SEM savings achieved
  - Year-4: \$4,000 incentive for another 100,000 kWh of SEM savings achieved.

# Eric M.: Slide 23 – Here we wanted to show what it looks like when a site experiences an increase in energy use during a SEM engagement under the new Multiyear SEM measure.



\*I-937 customers may report differently to State auditors

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- First two-year engagement
  - Year-1: \$16,000 incentive for 400,000 kWh of SEM savings achieved
  - Year-2 \$8,000 incentive for 200,000 kWh of SEM savings achieved
- Second two-year engagement
  - Year-3: \$0 incentives because of the site's increased energy use utilities would need to report the negative savings (-300,000 kWh) to BPA.
  - Year-4: \$20,000 incentive for the 500,000 kWh of SEM savings achieved.

#### Eric M.: Slide 24 – What are some impacts to the new Multiyear SEM measure?

### Impact on new enrollments



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- BEETS will include both SEM measures as separate Measure Reference Numbers (RefNos)
- Enrollment in the existing measure will be capped after 9/30/2023
- New SEM measure will be available for all projects reporting savings after 10/1/2023

In the upcoming April 2023 Implementation Manual, BPA will be releasing a change that simply states the enrollments for the existing SEM measure will end on September 30, 2023; however, the measure will remain in BEETS for existing SEM cohorts to continue using when reporting to BPA.

The upcoming Timber & Wood Products cohort will use the new Multiyear SEM measure structure.

Any questions or concerns to the proposed shift in the way we will deliver SEM?

No utilities responded.

**Slide 25** – We've come to the Open Forum, is there anything that you would like to share? No utilities spoke up.



Discussion with Utility Focus Group Members

- Project Successes
- Feedback
- Other topics

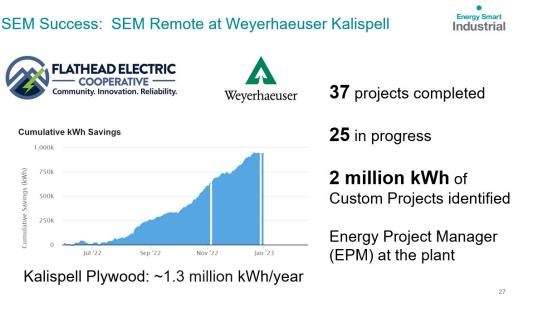
Up next, Tony Simon will present some project successes.

Tony Simon: **Slide 26** - Don Newton from Flathead Electric was unable to attend today; Weyerhaeuser is Flathead Electric's largest customer.



These pics were from last August's energy scan and treasure hunt. We are seeing great success at this site.

Slide 27 – Here's a visual of some of their success at the Kalispell Plywood facility.



They are currently enrolling an EPM at each Weyerhaeuser plant.

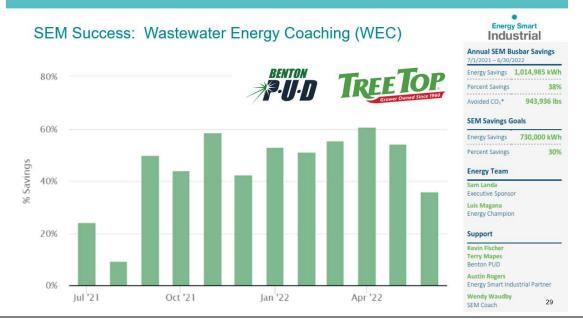
We wanted to share another project success in Benton PUD's territory. I would like to have Terry Mapes talk about it.

Terry Mapes: Slide 28 – We were ecstatic by TreeTop's energy savings (NOTE: the initial estimated savings was 250,000 kWh; at project completion - the savings increased to over 1,000,000 kWh) – but it created a problem with Benton PUD's workflow process. The pre-approval of projects sets incentive caps, to track and allocate our budget. This particular project's incentives was capped at \$10,000, despite their blistering first year savings! We re-invented our process to add a rule for each year's authorization to proceed...so, we can adjust our incentives caps.



We want to encourage our customers to continue to save more than originally estimated. We were able to pay TreeTop and increased incentive for their project's 1,000,000 kWh savings.

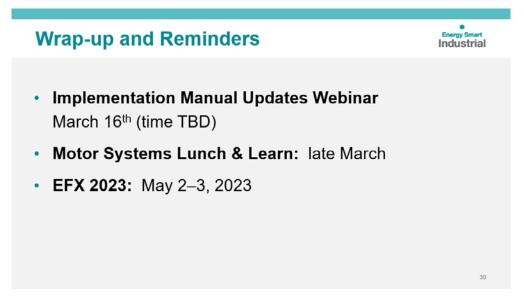
Tony S.: TreeTop (makes apple juice) has their own wastewater treatment plant with a oneperson "energy team" (Luis, pictured here) – so at times we had to host ad-hoc energy meetings over a box of donuts. **Slide 29** – Luis was able to save 30% exceeding everyone's expectations.



### ESI – Utility Focus Group - Feb 2023 NOTES

Tony S.: We are happy that TreeTop was able to achieve and persist in savings. Let's turn things back over to Eric.

Eric M.: Thanks Tony and Terry for sharing those projects with us. To wrap things up, Slide 30 – we wanted to share some reminders of some upcoming items.

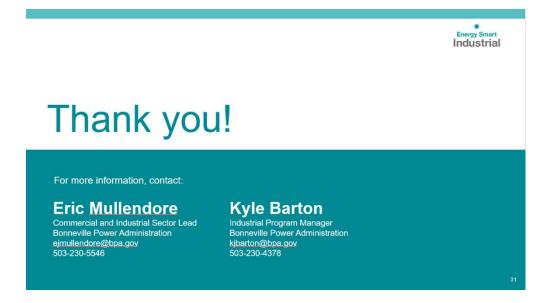


The invitation for the IM webinar has not yet gone out. Watch the Weekly EE Announcements.

We are excited about this year's Efficiency Exchange, it will be a hybrid event (both virtual and in-person), to be held at the Oregon Convention Center, here in Portland, Oregon.

And we are looking forward to future UFGs and any comments you have from today's meeting – please do not hesitate to reach out.

Lori Froehlich, Clark Public Utilities: I am excited to hear about the new SEM cohort.



#### Meeting Adjourned: 11:57 am