



**Q1 2026 AGENDA**  
**Regional Emerging Technologies Advisory Committee**

**DATE:** March 11, 2026  
**TIME:** 8:30 a.m. – 12:00 p.m.  
**WEBINAR:** MS Teams – See link in calendar invite or register [here](#)  
**AUDIO:** Web audio or telephone 971-323-0535, code 503 980 890#

**MEETING OBJECTIVES:**

- Learn about **Bonneville Power Administration’s** upcoming pilot program for HPWHs in dairies.
- Explore and discuss current utility programs and projects around the region.
- Learn about **Pacific Northwest National Laboratory (PNNL)** and hear about current projects.

**AGENDA**

Time	Topic	Lead	Packet Page #
8:30 a.m. (30 min)	<b>Welcome &amp; Announcements</b> <ul style="list-style-type: none"> <li>• Introductions and Agenda Review</li> </ul>	Mark Rehley, NEEA  All	p. 1-3
9:00 a.m. (45 min)	<b>Bonneville Power Administration</b> <ul style="list-style-type: none"> <li>• HPWH Pilot for Dairies</li> <li>• General update on BPA projects and activities</li> </ul> <b>Outcome:</b> Members will learn about BPA’s current projects, as well as the upcoming rollout of a HPWH pilot program for dairies.	Keshmira McVey, BPA	p. 4
9:45 a.m. (45 min)	<b>Round Robin</b>  <b>Outcome:</b> Members have an opportunity to briefly share updates on active projects.	All	

Time	Topic	Lead	Packet Page #
10:30 a.m. (15 min)	<b>BREAK</b>		
10:45 a.m. (60 min)	<p><b>Pacific Northwest National Laboratory</b></p> <ul style="list-style-type: none"> <li>● Overview of PNNL</li> <li>● Update on current projects</li> </ul> <p><b>Outcome:</b> Members will have the opportunity to learn more about PNNL, as well as hear about current projects.</p>	Cheryn Metzger and Hayden Reeve, PNNL	p. 5
11:45 a.m. (15 min)	<p><b>Wrap-Up</b></p> <ul style="list-style-type: none"> <li>● Open discussion</li> <li>● Final Q&amp;A</li> </ul>	Mark Rehley, NEEA	

# Memorandum – *Informational Update (Tier 2)*



DATE: February 26, 2025

TO: Regional Emerging Technology Advisory Committee (RETAC)

FROM: Mark Rehley, Director Codes, Standard, New Construction, and Emerging Technology

SUBJECT: Conferences, Product Councils, and other Updates

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Instead of reviewing this material during the March RETAC meeting, this memo services this update. Feel free to share any other information or updates in the chat during the RETAC meeting or email us directly so that we can include it in the meeting notes.

## Conferences Scheduled for the next quarter

- [NALMCO \(International Association of Lighting Management Companies\) Spring Seminar – March 3-5, 2026](#)
- [Energy Solutions Center 2026 Technology & Market Assessment Forum – March 16-19, 2026 – Atlanta, GA](#)
- [ACEEE Hot Water and Hot Air Forums – March 24-26, 2026](#)
- [DOE ARPA-E Energy Innovation Summit, April 6 – 9, 2026](#)
- [National Home Performance Conference, April 13 – 16, 2026](#)
- [LEducation, April 14-17, 2026](#)
- [AMCA Americas 2026 Conference, April 21-24, 2026](#)
- [Utility Energy Forum, April 22-24, 2026](#)
- [BOMA 2026 PNW Regional Conference, April 27 – 29, 2026](#)
- [Northwest Facilities / Managing Green Buildings Conference, April 29-30, 2026](#)
- [Efficiency Exchange 2026 – May 5-6, 2026](#)
- [DOE Better Building Better Plants Summit, May 11 – 13, 2026](#)
- [Realcomm / IBcon 2026, June 2 – 4, 2026](#)
- [CEE Summer Program Meeting, June 10-11, 2026](#)
- [Electrical Apparatus Service Association \(EASA\) Annual Conference, June 13-16, 2026](#)
- [ASHRAE Annual Conference June 27 – July 1, 2026](#)

## Product Councils from the past quarter - <https://neea.org/resource-type/product-council-materials/>

- [Heat Pump Equipment Commissioning Systems](#) – January 26, 2025

## [Q1 2026 Emerging Technology Newsletter](#) (live on [neea.org](https://neea.org) March 9, 2026)

Please let us know if you have questions, suggestions, or comments on any of these items.

Thank you,

Mark  
[mrehley@neea.org](mailto:mrehley@neea.org)  
 503.688.5499

# Memorandum – Agenda Item (Tier 1)

March 11, 2026



TO: Regional Emerging Technology Advisory Committee (RETAC)

FROM: Adam Gage, Senior Product Manager, NEEA

CC - Keshmira Engineer, Program Manager, Energy Efficiency Emerging Technology, Bonneville Power Administration

SUBJECT: BPA Presentation on Energy Conservation in Dairies

At the March 2026 RETAC meeting, Keshmira Engineer with BPA will present energy savings opportunities in dairies including estimates of savings from the Northwest Power and Conservation Council and BPA's research plan to better understand how these measures work in situ.

## **Our Ask of You:**

*Does your service territory have dairies? If so, what measures are available for calculating energy savings. Are you interested in collaborating on research?*

## **Background**

The Northwest Power and Conservation Council's 9<sup>th</sup> Power Plan identified significant efficiency opportunities through integrated system optimization rather than isolated equipment upgrades. Proven technologies—such as variable speed milk vacuum pumps, plate precoolers, refrigeration heat recovery, high-efficiency motors, LED lighting, and advanced barn ventilation with controls—can deliver meaningful savings and short paybacks when deployed in the proper sequence (controls first, then cooling and heat-recovery integration, followed by equipment right-sizing and layout improvements).

This opportunity aligns with the Council's 9th Power Plan, which identifies meaningful agricultural energy conservation potential across the region, with dairy operations representing a key contributor within that sector and requiring targeted program pathways to capture savings. The associated dairy conservation strategy emphasizes identifying priority measure bundles, conducting on-farm audits, and developing custom projects to support BPA utility program adoption and long-term inclusion of dairy measures in regional efficiency portfolios.

Methodology: BPA's goal is to demonstrate and quantify energy savings through customer utilities and collaborate on research. BPA seeks to develop prescriptive measures for energy savings. This May, BPA will share its dairy optimization and conservation goals with agricultural utility group members. The implementation manual offers two agricultural audit measures:

- 7.8.1 Agricultural On-farm Energy Audit Screening \$150 per agricultural producer (e.g., farm, ranch, greenhouse, dairy, etc.) (Quick Scan)
- 7.8.2 Agricultural On-farm Energy Audit Lesser of actual energy audit cost minus any funding provided by other federal, state or local agencies, or \$15,000

# Memorandum – Agenda Item (Tier 1)



February 20, 2026

TO: Regional Emerging Technology Advisory Committee (RETAC)  
FROM: Mark Rehley, Director Emerging Technology, Codes, and Standards  
SUBJECT: Cheryn Metzger with Pacific Northwest National Laboratory

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## Our Ask of You:

- PNNL would appreciate your feedback with what areas of work at the lab most interest you and your workplace.

In this presentation, the Pacific Northwest National Laboratory (PNNL) will provide an overview of its research and industry engagement activities in the buildings sector. PNNL leaders will provide an overview of fundamental research being conducted in the emerging technologies space, residential and commercial building field validation and lab testing, integrated Technical Reference Manual (TRM) for utility support, resilience programs and codes/standards support.