

Q3 2026: Wednesday, Sept 9

1:00 – 2:30pm (Pacific)

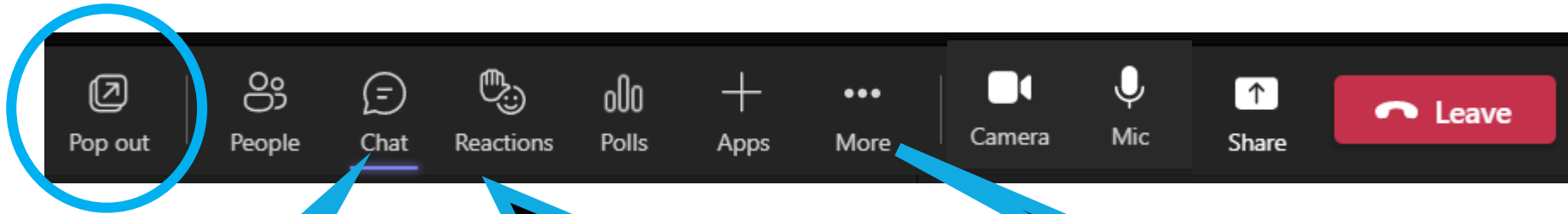
Interim Webinar (virtual only)

Natural Gas Advisory Committee





Tools for Today: Engaging on Teams

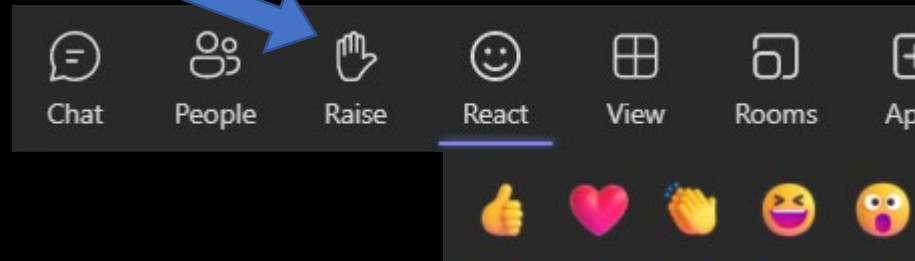
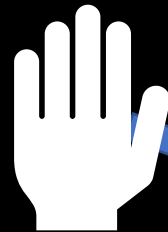


The chat is not captured automatically.

Do you have any accessibility challenges with this technology today?

Comments/Questions?

Please raise your virtual hand or chime in
Chat & reactions also welcome



“...” More includes:

- ✓ Settings: mic & video
- ✓ Background effects

Heads Up!

*“Spotlighting”
Speakers*





Reminder of NGAC Purpose & Role



Purpose

...to support Alliance success by **advising** on the **optimal composition of NEEA's program portfolio**, including a **formal vote for program advancement** at three key points in the Initiative Lifecycle, **consistent with the goals and objectives of NEEA's Business & Operations Plans.**



Responsibilities

- Portfolio optimization & program advancement (milestone votes)
- Coordinate downstream marketing
- **Monitor outcomes of relevant workgroups & Cost-Effectiveness Committee (CEAC) meetings**
- Advises NEEA's Executive Director on portfolio decisions



Agenda

All Times Pacific

1:00-1:10	Welcome, Agenda Packet Review
1:10-1:40	Introductions + Committee Round Robin
1:40-1:55	Housekeeping, Looking Ahead
1:55-2:25	Program Expansion Opportunity Review: LLLC+ HVAC
2:25-2:30	Public comment, wrap up and adjourn



Packet Review & Informational Updates

Tier 1: Agenda Items

- ✓ *2027 Operations Planning Process (pg. 3)*
- ✓ *Program Expansion Opportunity Review: LLLC+HVAC (pg. 4)*

Tier 2: Informational Updates

- ✓ *Dual-Fuel Res HVAC Field Study Recruitment Updates (pg. 6)*
- ✓ *Program Expansion: Adv. Perf. DOAS (gas) Vote in Dec (pg. 9)*
- ✓ *Q2 2026 Market Progress Report: Gas + Electric Programs – Progress toward annual goals (pg. 10)*

Tier 3: Additional Resources

- ✓ *Quarterly newsletters, past NGAC meeting materials, NGAC charter (pg. 2)*



Introductions + Committee Roundtable

- Name
- Organization
- *And...*

XXX

NEEA Staff & Guests

- Introduction

Committee Members

- Introduction
- Roundtable Share-outs (3-5 min/pp)
 - Big changes (programs/personnel)
 - Current challenges, lessons learned
 - How utility activities relate to NEEA's
 - Sharable tools/materials
 - Policy directives w/ customers
 - Findings, filings, IRPs



Agenda

All Times Pacific

1:00-1:10	Welcome, Agenda Packet Review
1:10-1:40	Introductions + Committee Round Robin
1:40-1:55	Housekeeping, Looking Ahead
1:55-2:25	Program Expansion Opportunity Review: LLLC+ HVAC
2:25-2:30	Public comment, wrap up and adjourn



Housekeeping

➤ *Past Meeting Notes (June)*

- ✓ No action items; any questions/ follow up?

➤ *Updates*

- ✓ Check in on Informational Memos
 - ❖ DF Res HVAC Field Study Recruitment Updates (pg. 6)
 - ❖ Program Expansion: Adv. Perf. DOAS (gas) Vote in Dec (pg. 9)

➤ *Announcements & Reminders*

- ✓ 2027 Operations Planning Need-to-Knows
- ✓ Navien Survey & Upcoming Product Council
- ✓ New & Manufactured Homes Work session (Sept 14)
- ✓ Leadership in EE Awards (Dec 4)
- ✓ Stakeholder Satisfaction Survey (Oct)
- ✓ Proposed 2027 NGAC dates
- ✓ Other regional / industry events



Quick check-in: Informational Memos

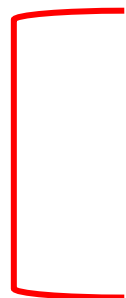
- ✓ *Dual-Fuel Res HVAC Field Study Recruitment Updates (pg. 6)*
- ✓ *Program Expansion: Advanced Performance DOAS (gas) Vote in Dec (pg. 9)*
- ✓ *Reminder: Q2 Market Progress Report (pg. 10)*



2027 Operations Planning



2027 Operations Planning Underway



Timing	What to Expect
10/8/26	Draft Ops Plan Emailed to the Board, RPAC, NGAC
10/15/26	Draft Ops Plan Overview Webinar
11/2/26	Feedback due from Board + Committee Members
11/10/26	Finance & Audit Committee Meeting
12/3/26	December Board Meeting (vote on 2026 Ops Plan)

*** Timeframe for NGAC review and feedback**



A few callouts for 2027

- Continued prioritization of programs and expansion efforts that deliver near term energy savings
- Two planned electric program expansions (NGAC votes)
 - Advanced Performance DOAS to include DOAS units paired with gas heating systems (Q4 2026)
 - Luminaire Level Lighting Controls to include HVAC control (Q4 2027)
- Two planned Program Advancement milestones
 - Advanced Commercial Water Heating (Q3)
 - Dual-Fuel Residential HVAC (Q4/Q1 2028)
- Gas co-funding of [BetterBricks](#)

← ↻ 🏠 <https://betterbricks.com> 📄 ☆ ⚙️ | ☆ 👤 ... Chat



betterbricks/

about news events contact

Why Upgrades Matter Upgrade Guide ▾ Technologies & Practices ▲ Resources ▾ 🔍

/heating & cooling

Advanced performance RTUs

Advanced performance DOAS

/mechanical

Fans

Pumps & motors

/water heating

Advanced commercial water heating

Central heat pump water heaters

/lighting

Lighting controls

Lighting training

/strategic energy management

/windows

Secondary windows

Window replacement

why upgrades matter →

Free and proven commercial building resources

BetterBricks is a not-for-profit resource funded by Northwest utilities and energy organizations to promote proven energy-efficient solutions. Our region's commercial building designers, builders, managers, and owners turn to BetterBricks as a trusted resource hub providing unbiased, expert solutions and tools that improve whole building performance.

<https://betterbricks.com/#>



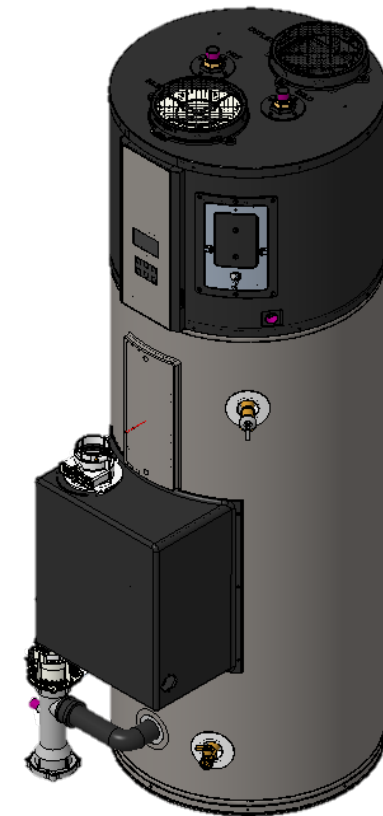
Link: <https://betterbricks.com/>

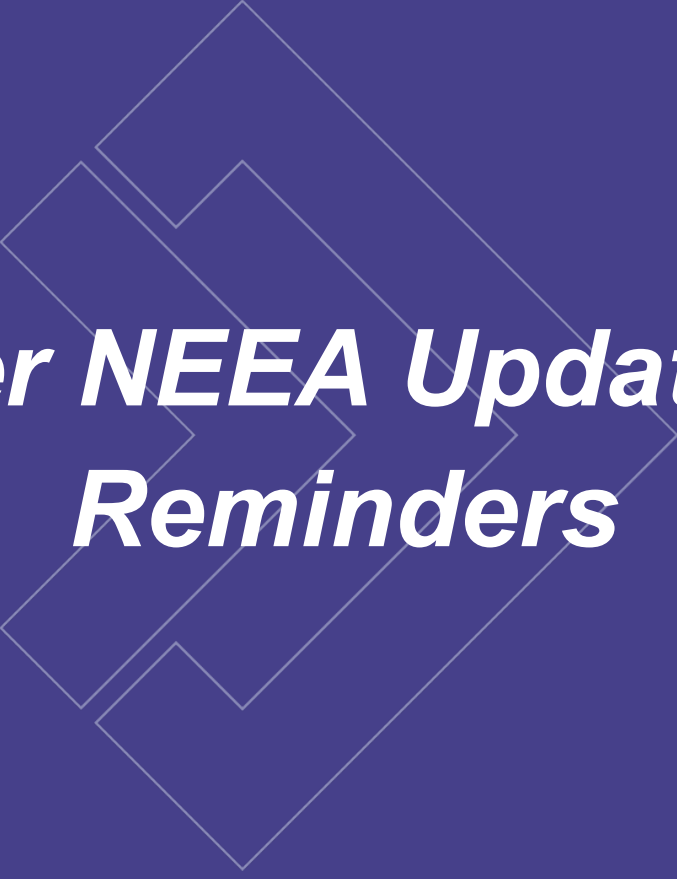
Navien Project Update & Related, Upcoming Product Council

Navien Project Update

Residential Dual-Fuel Water Heater Milestones

- **Lab Testing:** *Completed*
- **Final Lab Report:** *Completed*
See Report published on neea.org [here](#)
- **Manufacturer Survey:** *through Sept 15, 2026*
REQUEST: Participate in Navien Survey [here](#)
- **Lab Results (Product Council):** *Sept 22, 2026, 10:30am PST*
SIGN UP: Lab Results Product Council [here](#)
- **US Safety Certification:** *Sept 2026 (est.)*
- **Product Launch:** *Sept 2026 (est.)*
- **Field Testing:** *Sept 2026 – Sept 2027*





Other NEEA Updates & Reminders



New Homes Workshop

- September 14, 9am-1pm
- NEEA's office / hybrid
- **DESIRED OUTCOME:** Get alignment on path forward for New Construction programs in the region
 - Performance Path
 - Prescriptive Path
 - Income Qualified versus Market Rate
 - NEEA's role in supporting regional programs
 - Email Tess Studley to be added to invite tstudley@neea.org

AGENDA

9:00 – 9:30 AM	Welcome & Agenda • Context and background
9:30 – 11:00 AM	Program Round Robin • Intros • Current Program offerings • Things they are thinking about/plans for the future • Challenges
11:00 – 11:05 AM	Break
11:05 AM – 12:00 PM	Discussion and Summary of Key Themes • Summary of key themes and future program paths – performance path, prescriptive path, other foci • NEEA Role and recommendations
12:00 – 1:00 PM LUNCH	• Continue above topics and discussion • Manufactured Housing lightening round



Help us honor the innovators and collaborators driving energy efficiency across the Northwest and beyond. NEEA will recognize individuals and teams for their exemplary dedication and performance in the industry from **9-11 a.m.** on the second day of the NEEA Annual Board Meeting on December 4.

Nominations can be made in the following categories:

- **Rising Star**
- **Innovative Collaboration**
- **Lifetime Achievement**

Nominations

Aug 03
Through
Sept 18

Event

Dec 04



To nominate go to:
nea.org/leadershipawards



2026 Stakeholder Satisfaction Survey

- **Goals:**

- Solicit feedback on stakeholders' experience working with NEEA staff; participating in NEEA forums
- Build understanding of stakeholder needs

- **Timeframe:**

- Sept 28 - October 27, 2026

- **Follow up:**

- Q1 2027: Present results to Board
- Anticipate roadshow in Q2-Q3 2027



Conducted approx. every 2 years with all board and committee members

Could others in your organization benefit from a NEEA / Market Transformation 101?

- Offering 2x/year 90 min webinar for alliance members
- Target audience:
 - Committee members wanting a refresher
 - Team members not on NEEA committees, but interact with NEEA's work or would benefit from a basic overview
- **Next session: Wed Oct 7, 9-10:30**
- Proposed special topic feature: Codes & Standards
 - Future special topics include: Regional Studies & Infrastructure, Market Research/Evaluation, Data Acquisition, MT Barrier Removal, Special Projects; Emerging Tech (covered Mar. 2026)
- Contact: Alisyn Maggiora (amaggiora@neea.org)



Upcoming 2026 NEEA Committee Meetings

NGAC

QTR	DAY	DATE	HOLD TIME	LOCATION	KEY TOPICS / NOTES
Q4	Thurs	Oct 22	9am-4pm	Virtual	Adv Perf. DOAS (gas) vote prep
Webinar	Wed	Dec 9	1-2pm	Virtual	Adv Perf. DOAS (gas) milestone vote

Other

Thurs/Fri Sept 17-18	Q3 Board Meeting (Spokane, WA)
Wed Sept 30	Regional Emerging Tech Adv. Cmtee
Wed Oct 7	NEEA / Market Transformation 101
Thurs Oct 15	2027 Draft Operations Plan Webinar
Wed Oct 28	Cost Effectiveness & Eval. Adv. Cmtee
Wed/Thurs Nov 4-5	C&I Coordinating Committee
Tues/Wed Dec 1-2	Residential Coordinating Committee

2027 Proposed NGAC Dates

Feedback Deadline: Oct 1

QUARTER	DAY	DATE	HOLD TIME (Pacific)	LOCATION
<i>Webinar</i> Q1	Wed	Jan 27	1-2pm	Virtual
	Thurs	Mar 18	9am-4pm	Virtual
<i>Webinar</i> Q2	Thurs	Apr 15	1-2pm	Virtual
	Tues	June 1	9am-4pm	Hybrid (Seattle) 
<i>Webinar</i> Q4	Wed	Sept 22	1-2pm	Virtual
	Thurs	Oct 28	9am-4pm	Virtual



= Proposed Hybrid / In-person Option



Submit Ideas for Session Topics

September 14 – October 16

neea.org/EFX

Save the Date for EFX27

May 18-19

Wenatchee, WA

➤ *Other regional / industry events or announcements?*



[Check out the EFX26 photo highlights here!](#)

Lisa Grow

CEO & Pres., Idaho Power

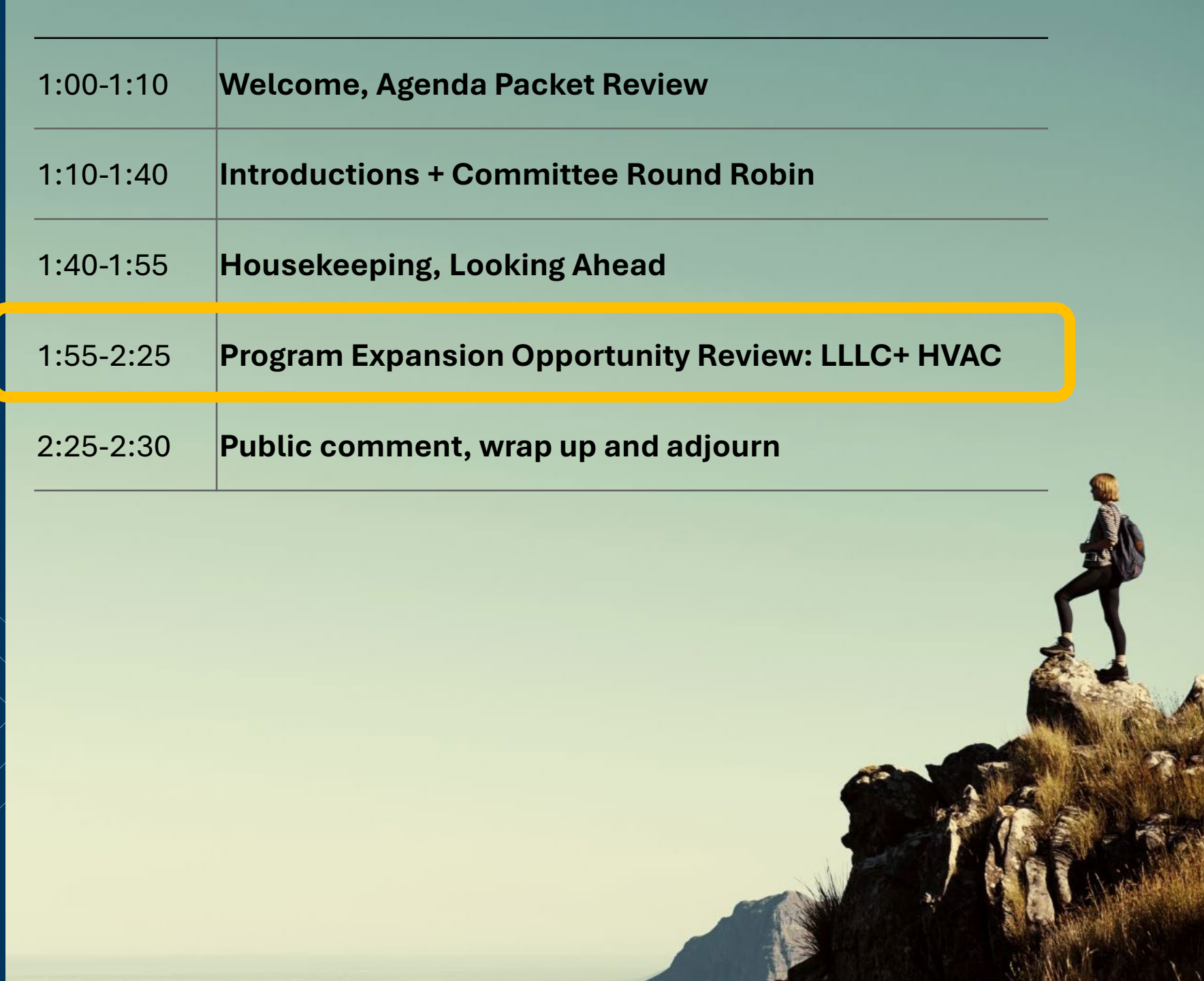
EFX 2026, Boise



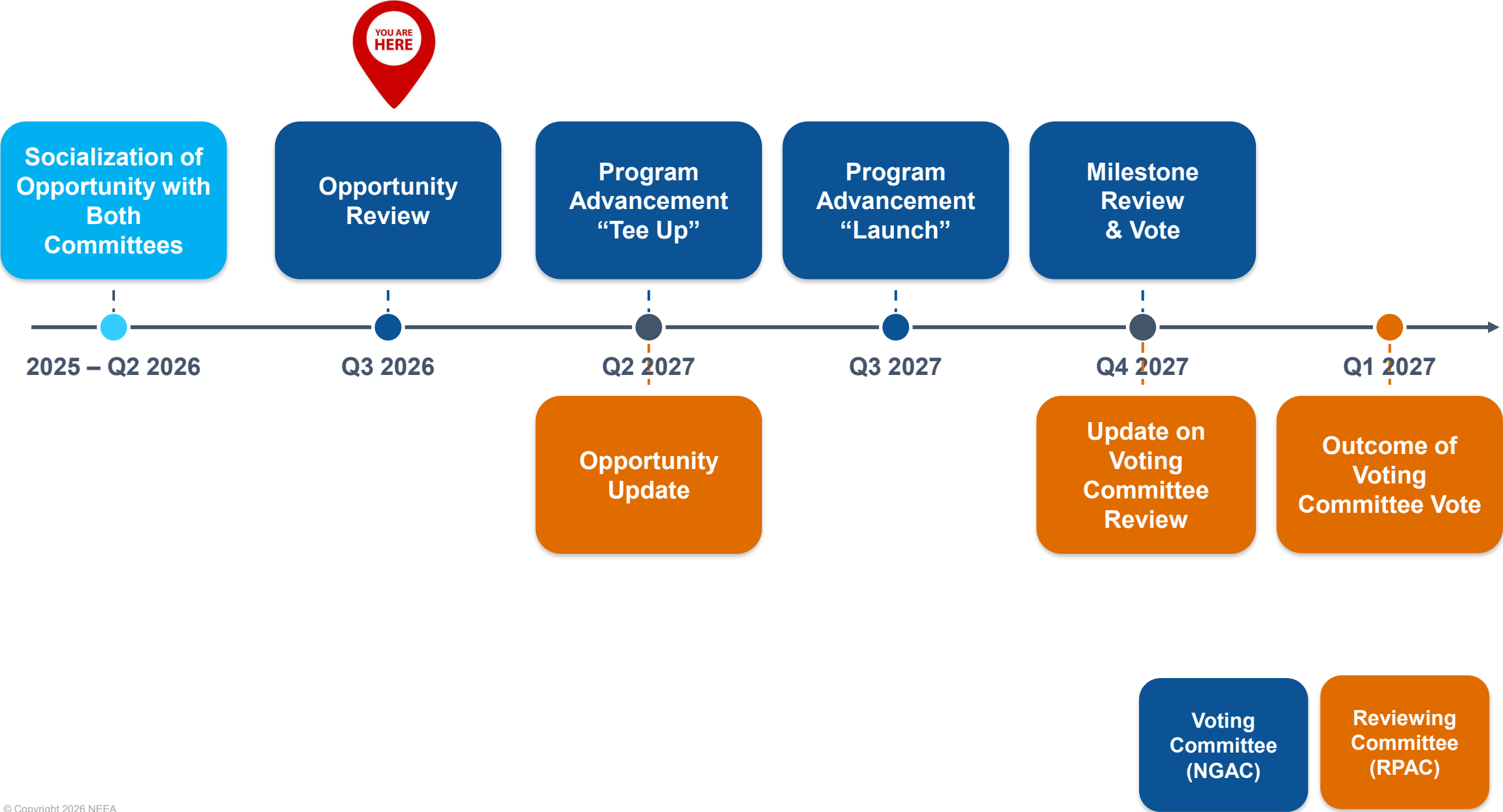
Agenda

All Times Pacific

1:00-1:10	Welcome, Agenda Packet Review
1:10-1:40	Introductions + Committee Round Robin
1:40-1:55	Housekeeping, Looking Ahead
1:55-2:25	Program Expansion Opportunity Review: LLLC+ HVAC
2:25-2:30	Public comment, wrap up and adjourn



Stakeholder Engagement Touchpoints and Timeline — LLC + HVAC





Program Expansion Opportunity Review: Luminaire Level Lighting Controls (LLLC) + HVAC

Suzi Asmus

Principal Program Manager, LLLC

Nick Michel

Sr. Market Transformation Manager, Lighting, Motor Driven systems



Why We're Here Today

- Luminaire Level Lighting Controls (LLLC) program overview
- What is the LLLC+HVAC expansion opportunity
- Program Development activities
- Pilot site participation and expectations
- Discussion/Questions

Reminder: What is LLLC?



- Networked Lighting Controls (NLC) with fixture level control
- At least one sensor and one controller per fixture
- Enables flexible zoning, space-utilization data, and control of other building loads

LLLC Program

Since 2019

Transformation through

- Manufacturers
- Market actors
- National organizations
- Scale and alignment
- Utility program development
- Demand creation

Resulting in

- High awareness
- Strong understanding
- High installer capability
- Increased acceptance
- Broad availability

LLLC+HVAC expansion opportunity

Occupancy data from LLLC sensors is fed to a rooftop unit's thermostat, which makes set point adjustments based on occupancy.

1 Builds on LLLC base

2 Occupancy-driven

3 Incremental savings

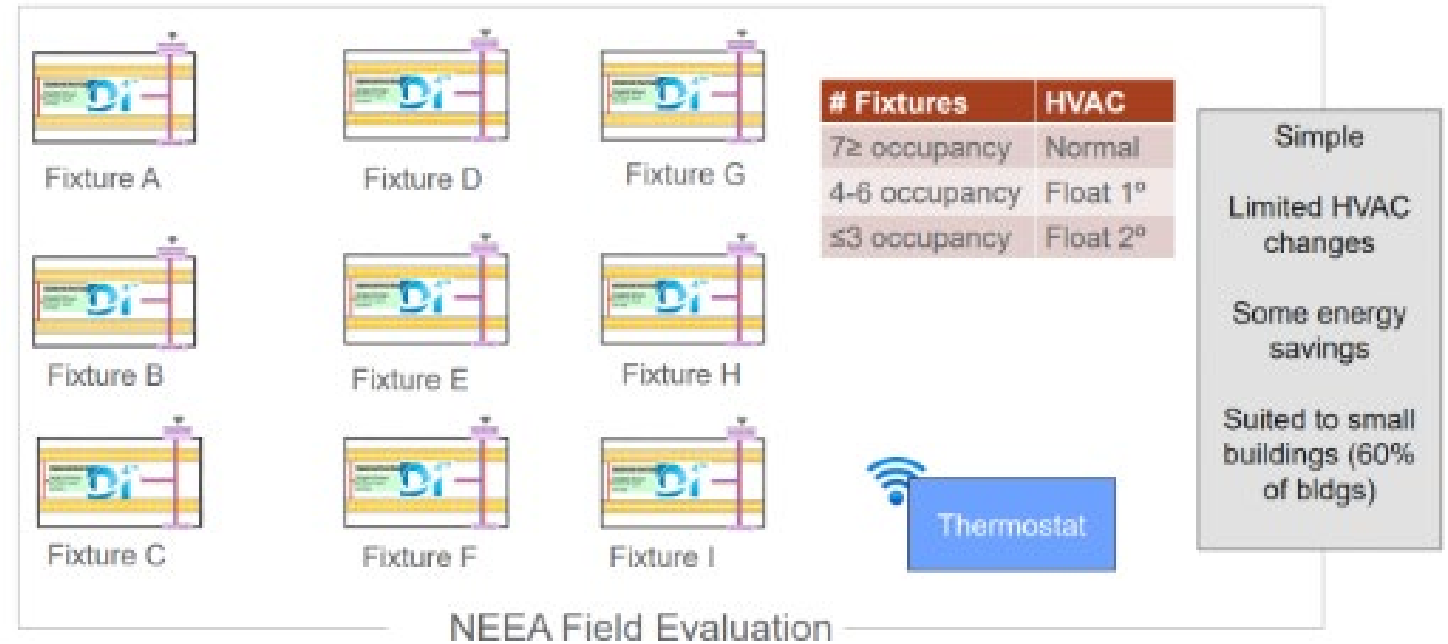
4 Small-Medium market

5 Fuel neutral

6 Low cost / barrier to entry



LLLC + HVAC System Architecture

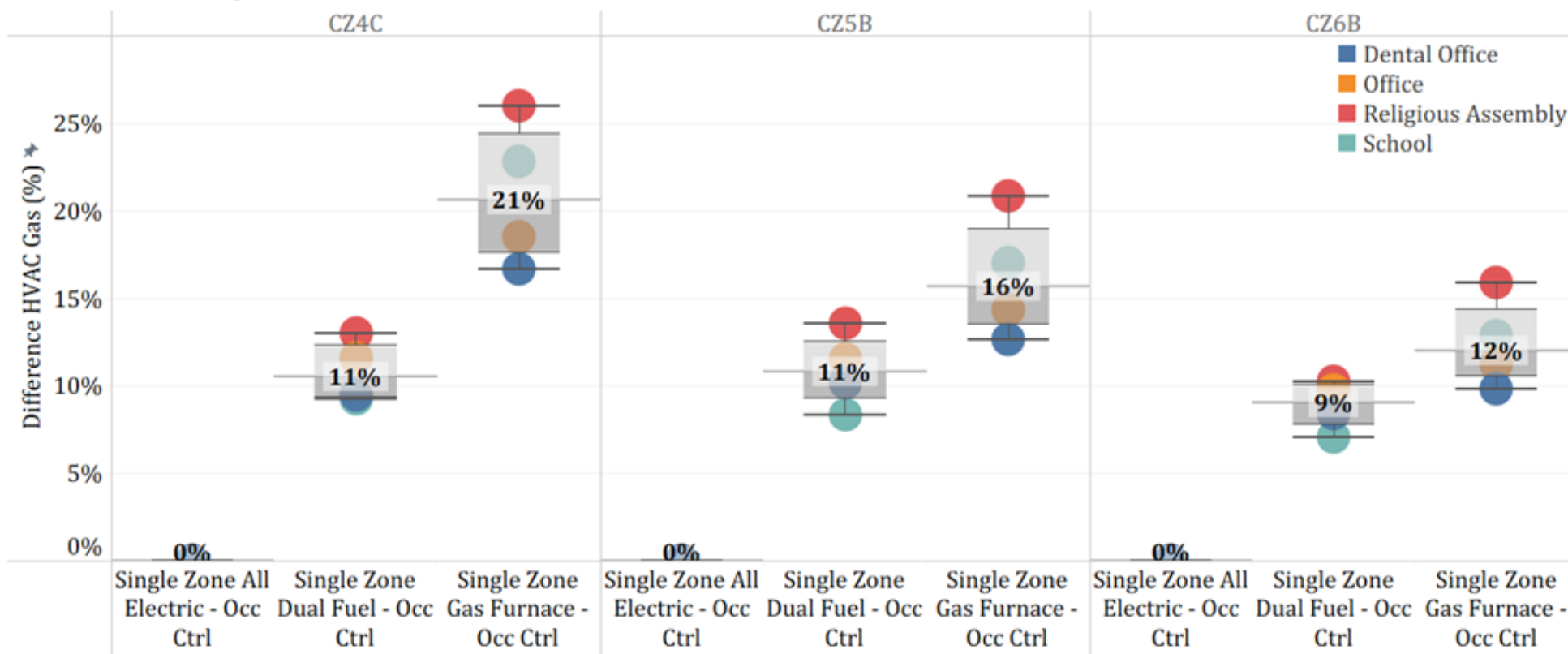


Setup: LED fixtures with an LLLC system, communicates wirelessly with thermostats for packaged rooftop units, and an edge device running occupant-centric control logic.



Modeled HVAC gas savings potential

Percent Savings HVAC Gas



The savings concentrate in gas. Single-zone gas furnace RTUs under occupancy control model the strongest savings across all three climate zones. Average savings range from 9 – 21%

Early estimates. Magnitude is still to be determined and requires additional modeling and field validation.

20-year gas technical potential

**Estimated regional gas savings technical potential, by
assumed savings rate**

10% savings 51,504,950 therms

12% savings 61,805,940 therms

15% savings 77,257,425 therms

LLLC+HVAC is fuel-neutral, but most Northwest rooftop units are gas-fired and the region's climate is heating-dominant, so the near-term opportunity is concentrated in natural gas.

Program development activities

Advancing savings validation, market understanding, and stakeholder alignment

- Develop an energy savings forecast
- Seek and support partner-led pilot activities
- Gather and analyze early pilot data verify energy-saving performance
- Conduct market research on market size, barriers, value proposition, and channels
- Develop a measurability plan and data strategy
- Engage national stakeholders on technical specifications and QPL development
- Develop and review naturally occurring baseline and forecast assumptions

Estimated gas investment: approximately \$60,000–\$100,000 in 2026 and \$160,000–\$220,000 in 2027. 2027 range could increase with additional pilot opportunities.



Pilot Participation Opportunity

- Site criteria:
 - 1-2 story commercial building
 - Single zone rooftop unit
 - LLLC system installed or eligible
 - Varied occupancy
 - No EMS/BMS
- Potential NEEA funding support
 - Studies, Data acquisition, Site access
- Chris Wolgamott available to assist

Operations Plan & Next Year

2027 operations plan focus is on continued LLC development

- Distributor, Manufacturer and rep engagement
- Influence designers, engineers, and installers
- Promote and highlight champions of LLC
- Strategic national influence
- 2027 Expansion Focus
 - Product development
 - Pilot development
 - Data collection and market research
 - Measurability plan
 - Baseline

Thank You!

Nick Michel

Sr. Market Transformation Manager

nmichel@neea.org

Suzi Asmus

Principal Program Manager, LLC

sasmus@neea.org



A decorative graphic on the left side of the slide. It features a large, dark blue triangle at the bottom left, a light blue triangle at the top left, and a green triangle at the top left. A photograph of a city skyline at sunset is visible within the green triangle. The city has a mix of residential and commercial buildings, with a prominent circular green space in the foreground. The sky is a mix of orange, yellow, and blue.

Action Items / Recap / Final Qs?

- NEEA staff:
 - Draft and share LLLC+HVAC pilot opportunity 1-pager share with committee (timing TBD)
- NGAC Members:
 - Feedback on LLLC+HVAC pilot 1-pager

Meeting Feedback

- ❖ One thing you learned / appreciated?
- ❖ Opportunities for improvement?
- ❖ Would you like us to follow up with you on anything?





Public Comments?

Thank You!

That's a wrap, NGAC! Until we meet again...

➤ **Q4 Standing Meeting: Thursday, Oct 22 | Virtual**



NW Natural

