

Integrated Systems Coordinating Committee

Q1 2023 Meeting

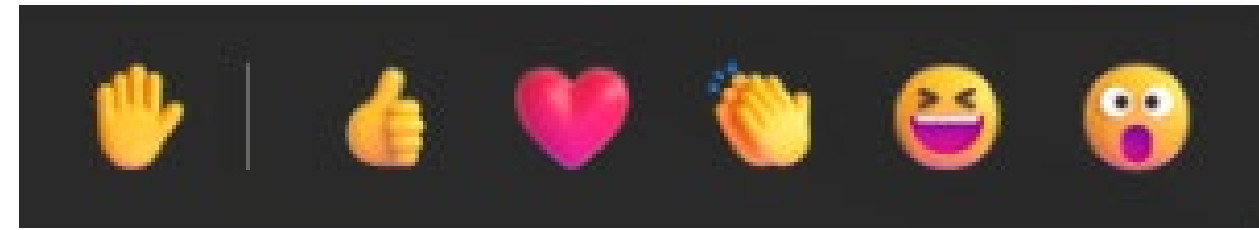
*Monday, February 13, 2022
12:30 – 4:00pm Pacific Time*




neea



Teams Layout



Raise Hand

Participants

Camera On/off

Mute On/off

Exit

Teams Link for Q4 ISCC Meeting



People



Chat



Reactions



Rooms



Q&A



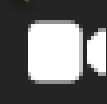
Polls



Apps



More



Camera



Mic



Share



Leave



Chat Box

Options:

- ✓ Settings: mic & video
- ✓ Gallery mode
- ✓ Background effects

Agenda

(All times Pacific)



- | | |
|------------------|---|
| 12:30 – 12:40 pm | Welcome, Agenda & Packet Review |
| 12:40 – 1:55 pm | Introductions & Regional Roundtable |
| 1:55 – 2:10 pm | <i>Break</i> |
| 2:10 – 2:35 pm | Announcements & Housekeeping Items <i>(poll)</i> |
| 2:35 – 2:55 pm | High Performance HVAC – Agenda Topics for ISCC 2023 <i>(poll)</i> |
| 2:55 – 3:55 pm | New! High-Performance Windows – Lessons Learned
Panel Discussion: <i>Engaging Multi-Family Projects</i> |
| 3:55 – 4:00 pm | Public Comment & Adjourn <i>(poll)</i> |



Packet Review



Tier 1 Memos, p.2

Tier 2 Memos: p.2

- Variable Speed Heat Pumps, pp.12-13
- IRA Funding, p.14
- HVAC Sales Data Report, p.15

Tier 3 Additional Resources, p.2



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Housekeeping Items *(poll)*

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High Performance HVAC – Agenda Topics for ISCC 2023 *(poll)*

2:55 – 3:55 pm

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3:55 – 4:00 pm

Public Comment & Adjourn *(poll)*





***Introductions &
Regional Roundtable***

Regional Roundtable

(2-3 min each, please)

- ✓ **Organizational changes**
- ✓ **Program changes or updates**
- ✓ **Regional activities**
- ✓ **Coordination or leveraging opportunities**
- ✓ **Other...**
 - LLLCs: Are utilities getting any traction with LLLCs in the market?
 - HPWs: What are you doing to prepare market actors for Energy Star v7?





Break

Agenda

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Announcements & Housekeeping



Efficiency Exchange 2023 - Registration Now Open



EFX23 Early Bird Registration

February 1 – March 28

neea.org/efx23-registration

EFX23 Hybrid Conference

May 2-3 in Portland

In-person + Virtual

Housekeeping:

- ✓ *Hybrid Meetings*
- ✓ *Co-Chair Position Open*
- ✓ *Priority 2 Topics & 2023 ISCC Workplan*

Future ISCC Meetings

- **Q2 in-person/hybrid pilot**
 - Test the hybrid experience for all, especially with technology; poll at end of meeting
 - Need to know if you'll be attending in-person or virtual
- **Q3 & Q4 meetings**
 - ***What is your preference for future meetings?***
 - *Recall:*
 - ✓ Q1 & Q3 → shorter ½ day meetings
 - ✓ Q2 & Q4 → longer all-day in-person or two ½ days meetings

Take Poll

2023 ISCC MEETING DATES	
Q1	Monday February 13
Q2	Monday May 15 & Tuesday May 16
Q3	Monday, August 14
Q4	Monday Nov 6 & Tuesday Nov 7





Co-Chair Opportunity

- Thank you, Michael Lane!
- Co-Chair Role & Time Investment:
 - ✓ Meet in advance to review quarterly agenda
 - ✓ Contribute to topic prep, if have expertise
 - ✓ Promote committee engagement during meetings
 - ✓ Support Annual Planning Sessions
 - ✓ Time Investment: xx/quarter ??



Priority 2 Topics

Steps Taken:

- ✓ Created standing agenda item
- ✓ Listed all Priority 2 topics in ranked order
- ✓ Selected 1st Priority 2 topics from each product group

Proposed Next Steps:

➤ Circle back with stakeholders & NEEA staff

- ✓ Confirm folks interested & willing to lead
 - ☐ If no one is interested, topic is dropped and next topic is selected
- ✓ Confirm best quarter to slot topics

Thoughts/ Questions/ Suggestions?

DRAFT ISCC 2023 Annual Workplan							LIST OF 2023 PRIORITY 1 TOPICS (in order of highest ranking, per survey)
Reminder: 75% of Agenda is dedicated to Priority 1 topics, 25% to Priority 2 topics							
	Q1 2023 Feb 13 1-4p (Virtual)	Q2 2023 - Day 1 May 15 (hybrid)	Q2 2023 - Day 2 May 16 (hybrid)	Q3 2023 Aug 14 (virtual)	Q4 2023 - Day 1 Nov 6 (virtual)	Q4 2023 - Day 2 Nov 7 (virtual)	
PRIORITY 1 TOPICS 75% of agenda time	<p>RES WINDOWS: High Perf Windows</p> <p>Topic A: Convene & Collaborate Panel Session with guest speakers: Leverage IRA funding to understand new opportunities for DOE funds. Postponed until we have more info from NEEA's Policy team</p> <p>Topic D: Lessons Learned Panel Discussion: <i>Engaging with Multi-Family projects</i> Desired Outcome: Committee collectively shares lessons learned to further understand approaches to multi-family projects, the decision-making process and any equity lens offerings on retrofit projects</p>	<p>COMM LIGHTING: Luminaire Level Lighting Controls</p> <p>Topic C: Review current LLLC training approaches/ topics which ISCC is already implementing/ planning</p> <p>COMMERCIAL HVAC: High Perf HVAC</p> <p>Topic D: Discuss leveraging and navigating NEEA's QPL TBD with ISCC in Q1</p>	<p>RES HVAC: Variable Speed HPs</p> <p>Topic A: Regional cross-sharing: Understand & align incentive requirements to leverage IRA funding **Check with NEEA's Policy team</p> <p>or</p> <p>Topic D: Regional sharing & leveraging of diff approaches to define baseline, address capacity issues/other benefits f/programs</p>	<p>RES WINDOWS: High Perf Windows</p> <p>Topic A: Leverage IRA funding to understand new opportunities for DOE funds **Check with NEEA's Policy team</p> <p>COMMERCIAL HVAC: High Perf HVAC</p> <p>Topic A: Regional sharing & leveraging of diff approaches to define code baseline (Red Car Analysis) **If there's time on the agenda</p>	<p>COMM LIGHTING: Luminaire Level Lighting Controls</p> <p>Topic E: Share learning by utilities from LLLC projects & key takeaways from LLLC MPER#2</p> <p>COMMERCIAL HVAC: High Perf HVAC</p> <p>Topic B: Local utility programs and Market Transformation regional program share out on key findings (program and technical or market research); Recapping the year's coordination and looking toward 2024 TBD with ISCC in Q1</p>	<p>RES HVAC: Variable Speed HPs</p> <p>Topic B: Understand new fed test stds & diff products in mkt for prog delivery ***</p> <p>or</p> <p>Topic C: Explore how to improve mgmt of suppl heat in CC ***</p> <p>or</p> <p>Topic D: Regional sharing & leveraging of diff approaches to define baseline, address capacity issues/other benefits f/programs ***</p> <p>***Depending on how program is market progresses</p>	<p>Res Building Envelope: High Performance Windows (HPWs)</p> <p>Topic D: Engaging with Multi-Family projects to understand approaches to multi-family projects, the decision-making process and any equity lens offerings on retrofit projects</p> <p>Topic A: Leverage IRA funding to understand new opportunities for DOE funds</p> <p>Commercial Lighting: Luminaire Level Lighting Controls (LLLCs)</p> <p>Topic C: Review current LLLC training approaches/ topics which ISCC is already implementing/ planning</p> <p>Topic E: Share learning by utilities from LLLC projects & key takeaways from LLLC MPER#2</p> <p>Residential HVAC: Variable Speed Heat Pumps (VSHPs)</p> <p>Topic A: Understand & align incentive requirements to leverage IRA funding</p> <p>Topic B: Understand new fed test stds & diff products in market f/ prog delivery</p> <p>Topic D: Regional sharing & leveraging of diff approaches to define baseline, address capacity issues/other benefits f/programs</p> <p>Topic C: Explore how to improve management of suppl heat in CC</p>
PRIORITY 2 TOPICS 25% agenda time	Overview and discussion of Priority 2 topics & their timeline for Q2-Q4	Hold time for Priority 1-2 topics (~30 min)		Hold time for Priority 2 topics (~30 min)	Hold time for Priority 2 topics (~30 min)		
ROUNDTABLE TOPICS	<p>LLLCs: Are utilities getting any traction with LLLC in the market?</p> <p>HPWs: What are you doing to prepare market actors for E*v7?</p>						<p>LIST OF 2023 PRIORITY 2 TOPICS (in order of highest ranking within each product group, per survey)</p> <p>Commercial HVAC: High Performance HVAC (VHE DOAS)</p> <p>Committee did not align on any Priority 1 Topics. NEEA's recommendation is to review the Priority 2 topics during main agenda time as shown on the left; TBD with ISCC in Q1;</p> <p>Topic B: Local utility prog & MT regional prog share out on key findings (program and technical or market research); Recapping the year's coordination and looking toward 2024</p> <p>Topic C: Leverage fed, state, local funding (IRA, IUA, ESSER) to promote syst approaches</p> <p>Topic A: Reg sharing & leveraging of diff approaches to define code baseline for this tech (Red Car Analysis)</p> <p>Topic E: Discuss capacity issues & shared learnings/ approaches to quantifying benefits & applying CE calc</p> <p>Topic D: Leverage/navigate NEEA's QPL</p>
KEY PROGRAM HIGHLIGHTS		Variable Speed Heat Pumps (VSHPs) Potential Milestone Advancement into Market Development Q2 or Q3 2023 RPAC Vote			High Performance Windows (HPWs) Potential Milestone Advancement into Market Development Q4 2023 or Q1 2024 RPAC Vote		<p>Res. Building Envelope: High Performance Windows (HPWs)</p> <p>Topic E: Savings/ CE barriers</p> <p>Topic B: Review new E* V7 spec to understand opportunities re: NEEA's MT practice & utility prog strategies</p> <p>Topic F: Cross-sharing experiences from local + NEEA perspectives</p> <p>Topic C: Discuss product avail challenges in rural areas/ bulk purchase opportunity "Buyers Club"</p>
PORTFOLIO UPDATES		Program Activity Reports			Program Activity Reports 2024 NEEA Ops Plan Highlights		<p>Commercial Lighting: Luminaire Level Lighting Controls (LLLCs)</p> <p>Topic D: Share summarized LLLC utility project data to gain insights on adoption of LLLC</p> <p>Topic B: Discuss utilities' experience & opportunities to expand advance controls to exterior applications</p> <p>Topic A: Review approaches for reporting LLLC energy savings, incl RTF & utility methodologies</p> <p>Topic E: Discuss challenges with incentivizing LLLC, including CE</p>
OTHER* *Meeting dates, utility related, announcements, etc.	EPX dates / registration	EPX Recap		NEEA Ops Plan webinar for RPAC	EPX topic solicitation Leadership Awards Confirm 2024 meeting dates		<p>Residential HVAC: Variable Speed Heat Pumps (VSHPs)</p> <p>Topic B: Discuss utilities' experience & opportunities to expand advance controls to exterior applications</p>
	Product Group & Program	Priority 2 Topics		Stakeholders Interested in Topic	Suggested Quarter to Review		
	Res Building Envelope: High Performance Windows (HPWs)	Topic E: Savings/ Cost-effectiveness Barriers		Tacoma Power, Idaho Power, ETO, NWE, BPA	Q3		
	Commercial Lighting: Luminaire Level Lighting Controls (LLLCs)	Topic D: Shared Summarized LLLC Utility Project Data to gain insights on adoption of LLLC		Avista, BPA, SCL, PSE, Tacoma power, Snohomish PUD, NEEA	Q4		
	Res HVAC: Variable Speed Heat Pumps (VSHPs)	Topic E: Sharing on Supply Chain Constraints & Labor Barriers		Clark PUD, Inland Power	Q2 or Q4		
	Commercial HVAC: High Performance HVAC: VHE DOAS	Topic E**: Capacity Issues, shared learnings or approaches to quantifying benefits and applying cost-effectiveness calculations		SCL, Chelan PUD, ETO	Q2 or Q4		



ISCC Charter





Ask of You:



***LISTEN FOR OR SHARE ANY
COORDINATING OR
LEVERAGING OPPORTUNITIES***



Agenda

(All times Pacific)



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Housekeeping Items

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3:55 – 4:00 pm

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High-Performance HVAC 2023 Workplan Topics



High Perf HVAC 2023 ISCC Topics on Agenda

DRAFT ISCC 2023 Annual Workplan

Reminder: 75% of Agenda is dedicated to Priority 1 topics, 25% to Priority 2 topics

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(in order of highest ranking, per survey)

Res Building Envelope: High Performance Windows (HPWs)

Topic D: Engaging with Multi-Family projects to understand approaches to multi-family projects, the decision-making process and any equity lens offerings on retrofit projects

Topic A: Leverage IRA funding to understand new opportunities for DOE funds

Commercial Lighting: Luminaire Level Lighting Controls (LLCs)

Topic C: Review current LLC training approaches/ topics which ISCC is already implementing/ planning

Topic E: Share learning by utilities from LLC projects & key takeaways from LLC MPER#2

Residential HVAC: Variable Speed Heat Pumps (VSHPs)

Topic A: Understand & align incentive requirements to leverage IRA funding

Topic B: Understand new fed test stds & diff products in market f/prog delivery

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Topic C: Explore how to improve management of suppl heat in CC

LIST OF 2023 PRIORITY 2 TOPICS:

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Committee did not align on any Priority 1 Topics. NEEA's recommendation is to review the Priority 2 topics during main agenda time as shown on the left; TBD with ISCC in Q1;

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Res. Building Envelope: High Performance Windows (HPWs)

Topic E: Savings/ CE barriers

PRIORITY 1 TOPICS

PRIORITY 2 TOPICS

ROUNDTABLE TOPICS

PROGRAM HIGHLIGHTS

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Clarification on Topic A:

Regional sharing & leveraging of different approaches to define code baseline for this technology (Red car Analysis)

POLL QUESTIONS:	DISCUSSION OPTIONS	NEEA's ROLE:
1. Are you looking to leverage NEEA's data/analysis to inform your measure development, or	Optional small group discussion with NEEA planning folks	Share available data & analysis, answer clarifying questions
2. Are you working to interpret NEEA's data/ analysis for informational purposes? or	ISCC agenda topic, with NEEA planning folks providing content	Convene & share overview of NEEA's approach and analysis, answer clarifying questions
3. Are you looking to hear from other utilities about how they're approaching cost effectiveness for this tech? or	ISCC roundtable discussion	Convene & facilitate cross-sharing between utilities
4. Is it a combination of these? Select all that apply above		

Should this be a committee-wide discussion?

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3:55 – 4:00 pm

Public Comment & Adjourn (*poll*)



**High-Performance Windows
Lessons Learned Panel
Discussion:
*Engaging Multi-Family Projects***



What's Our Objective?

Objective:

- Share and discuss as a region any lessons learned on engaging multi-family developers and/or other decision makers

Desired Outcome:

- Committee collectively shares lessons learned to further understand approaches to multi-family projects, the decision-making process and any equity lens offerings within your projects





Panel Discussion Speakers

- **Kevin Watier, Snohomish PUD**
 - Previous experience with Multi-family Direct Install and Weatherization programs
 - Multi-family work falls under [business rebates](#)
- **Michael Lane, Puget Sound Energy**
 - Approach to equity in PSE's [multi-family retrofit program](#)
 - Uses analysis of multi-property ownership to define Moderate Income subset of customers and incentives;
 - Defined Named Communities associated with multi-family retrofit projects
- **Natasha Houldson, Tacoma Power**
 - Multi-family new construction work
 - Exploring potential incentives for space conditioning with heat pumps
 - Major incentive offered by [City of Tacoma's Multi-Family Property Tax Exemption](#)
- **Mekha Abraham, Oregon Multifamily Energy Program**
 - [Oregon Multifamily Energy Program](#) promotes and facilitates energy-efficient design in affordable multifamily housing





Panel Discussion





Panel Discussion Questions

- **How do you reach decision makers for multi-family projects?**
- **Who are they? What are the challenges for engaging them?**
- **What motivates those decision makers?**
- **What are some of your successes?**
- **How have you adapted to meet goals?**
- **What was your biggest take-away from this work / project?**
- **Can you share any insights from an equity lens?**

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Meeting Feedback:



Any public comments?

Poll



Poll Questions

Q1: Did you find the topics on this agenda engaging and valuable to this Committee?

1. Yes! All relevant!
2. Kinda, here's what's missing (please add suggestions in chat box)
3. No, topics were off mark; suggest the following approach (please add suggestions in chat box)
4. Other (please add your comments in the chat box)

Q2: What is one key takeaway you got from this session or something you'd like to coordinate on? (please add comment in chat box)



» Thank you all!

