Integrated Systems Coordinating Committee Q3 2023

DATE:	Monday, August 14, 2023
LOCATION:	Webinar Only
TIME:	1:00 – 3:45 pm Pacific Time
WEBINAR:	MS Teams – See webinar/phone info in calendar invite or register here

AGENDA *(All Times Pacific)*   **Page #**

Time	Topic	Presenter	Page #
1:00 – 1:30pm	**Welcome, Agenda, Packet Review, Introduction**	All	1-2

1:30 – 1:40 pm	**Housekeeping**
	• Announcements:
	    o Upcoming events
	    o Operations Planning, Leadership in Energy Efficiency Awards
	
	• Outreach for Fan Systems Market Characterization
	
	Desired Outcome: Committee aware of significant upcoming events and/or topics that may impact their work.
		Anouksha Gardner & Alisyn Maggiora	--

1:40 - 1:55 pm	**ISCC Annual Workplan Updates** • Updates to 2023 plan • 2024 annual planning check in	Anouksha & Alisyn	3-5
1:55 – 2:05 pm	*BREAK*		
2:05 - 3:35 pm	**Regional Roundtable** *Committee members and NEEA program staff share program and organization updates, highlight areas of possible interest and coordination with others.* *Desired Outcome: All are updated on each other's activities and better understand what's happening across the region.*	All	--
3:35 - 3:45 pm	**Recap, Next Steps, Adjourn**	All	--

Memorandum- *Agenda Items*

August 2, 2023

TO: Integrated Systems Coordinating Committee (ISCC)

FROM: NEEA Staff

SUBJECT: **Meeting Packet Agenda Items. Informational Updates and Additional Information**

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MEETING PACKET APPROACH

This packet continues the "tiered" approach:
- Tier-1 memos for active agenda items
- Tier-2 memos for informational updates on items not currently requiring agenda time.
- Tier-3 materials provided as additional detail for those interested, accessible via links in the Tier 1 and Tier-2 memos. All other Tier 3 materials are listed below.

AGENDA ITEMS (Tier 1)

- Page 1: Meeting Agenda
- Page 2: Meeting Packet Item
- Page 3: Annual Planning Process Memo
- Page 4: NEEA's Product Groups & Coordinating Committee Structure
- Page 5: 2023 ISCC Workplan

UPDATES (Tier 2)
- Page 6: High-Performance Windows Informational Memo

ADDITIONAL LINKS (Tier 3)
- Q2 ISCC Meeting Notes
- Q2 2023 Market Research and Evaluation Newsletter
- Q2 2023 Emerging Technology Newsletter
- Q1 2023 Codes, Standards and New Construction Newsletter

Memorandum *– Agenda Item (Tier 1)*

TO: Integrated Systems and/ Coordinating Committees

FROM: Anouksha Gardner, Stakeholder Relations Manager

SUBJECT: 2023 Annual Planning

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As we plan out our approach and topic for 2024, we are looking to gather feedback from you on preferences for how to proceed. We will check in with you at the Q3 meeting on the following questions.

Questions to Consider:

1. Do you see value in the annual planning process (as we've done it thus far)?
2. Should we go through the annual planning process again to discuss/develop new topics, or what other approach might you recommend?

If we agree to conduct the annual planning process as we have the last two years (collaborative topic development using mural board) we propose the following; what comments, or concerns, or other suggestions do you have?

    a) Convene virtually using mural board to discuss and refine topics (keeping or adding)
    b) Propose using part of the Q4 meeting for the annual planning session, which means postponing 1 or more existing topics slated for Q4

Separate from the annual planning process here are some suggested revisions for our meeting structure in 2024; what comments, or concerns, or other suggestions do you have?

    a) A dedicated process around checking in quarter prior to confirm topic and leads
    b) Priority 1 topics covered in Q1 & Q3, plus the round table
    c) Q2 & Q4 - more focused on NEEA updates, reports, plus the round table

Context:

Feedback from the 2023 planning process indicated a clear challenge with adding this layer of work on top of existing year-end workload for most folks - thus we propose embedding it into existing time we already plan to spend together to lighten the burden.
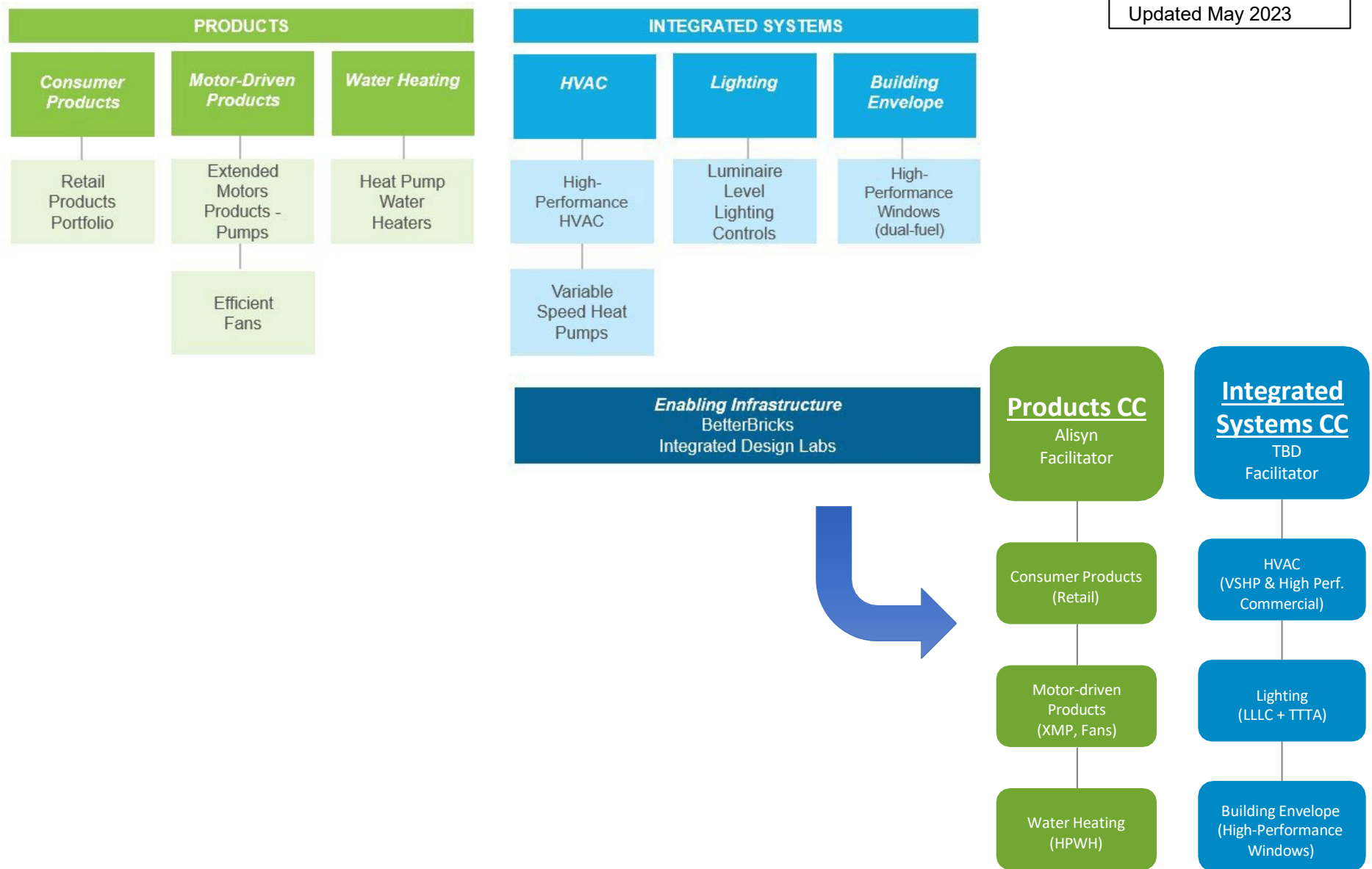Reference (current) 2023 ISCC Annual Workplan
Collaborative topic development Mural board

Please contact Anouksha Gardner if you have questions about this memo.

NEEA's Product Groups and Coordinating Committees Structure

PRODUCTS

Consumer Products	Motor-Driven Products	Water Heating
Retail Products Portfolio	Extended Motors Products - Pumps	Heat Pump Water Heaters
	Efficient Fans	

INTEGRATED SYSTEMS

HVAC	Lighting	Building Envelope
High-Performance HVAC	Luminaire Level Lighting Controls	High-Performance Windows (dual-fuel)
Variable Speed Heat Pumps		

Enabling Infrastructure
BetterBricks
Integrated Design Labs

Products CC
Alisyn Facilitator

- Consumer Products (Retail)
- Motor-driven Products (XMP, Fans)
- Water Heating (HPWH)

Integrated Systems CC
TBD Facilitator

- HVAC (VSHP & High Perf. Commercial)
- Lighting (LLLC + TTTA)
- Building Envelope (High-Performance Windows)

ISCC 2023 Annual Workplan *Updated 4/30/23*

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 (virtual)	Q2 2023 - Day 2 ~~May 16~~ (Day 2 canceled)	Q3 2023 Aug 14 (virtual)	Q4 2023 - Day 1 Nov 6 (virtual)	Q4 2022 – Day 2 Nov 7 (virtual)
PRIORITY 1 TOPICS 75% of agenda time	**RES WINDOWS: High Perf Windows** ~~Topic A: Convene & Collaborate Panel Session with guest speakers: Leverage IRA funding to understand new opport for DOE funds~~ ***TBD pending outcomes from federal funding workshop** Topic D: Lessons Learned Panel Discussion: *Engaging with Multi-Family projects* 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	**COMM LIGHTING: Luminaire Level Lighting Controls** Topic C: Review current LLLC training approaches/ topics which ISCC is already implementing/ planning **COMMERCIAL HVAC: High Perf HVAC** ~~Topic D: Discuss leveraging and navigating NEEA's QPL~~ ➔ *Address in Q4*	**RES HVAC: Variable Speed HPs** ~~Topic A: Regional cross-sharing: Understand & align incentive requirements to leverage IRA funding~~ ***Check with NEEA's Policy team* ➔ Hold on this; RPAC Federal Funding Coordination work group formed or ~~Topic D: Regional sharing & leveraging of diff approaches to define baseline, address capacity issues/other benefits f/programs~~ ➔ *Address in Q4*	**RES WINDOWS: High Perf Windows** Topic A: Leverage IRA funding to understand new opportunities for DOE funds ➔*TBD pending Federal Funding Coordination workgroup* **COMMERCIAL HVAC: High Perf HVAC** Topic A: Regional sharing & leveraging of different approaches to define code baseline for this technology. There was broad agreement that NEEA would facilitate a utility roundtable/share-out of how each of you are approaching cost-effectiveness and defining baseline for this technology.	**COMM LIGHTING: Luminaire Level Lighting Controls** Topic E: Share learning by utilities from LLLC projects & key takeaways from LLLC MPER#2 **COMMERCIAL HVAC: High Perf HVAC** Combining Topics B and D: Discussion on leveraging and navigating NEEA's QPL for ventilation equipment in the context of coordination between local utility programs and the NEEA MT regional program. This will enable those who are leveraging NEEA's QPL to share out as to how they're doing so and allow a forum to touch on coordination activities that others could replicate and/or share out on any key research findings (program/technical/market) that could be useful for others.	**RES HVAC: Variable Speed HPs** Topic B: Understand new fed test stds & diff products in mkt for prog delivery *** or Topic C: Explore how to improve mgmt of suppl heat in CC *** or Topic D: Regional sharing & leveraging of diff approaches to define baseline, address capacity issues/other benefits f/programs ***Depending on how program & market progresses*
PRIORITY 2 TOPICS 25% agenda	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	*LLLCs: Are utilities getting any traction with LLLC in the market?* *HPWs: What are you doing to prepare market actors for E*v7?*					
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**	
PORTFOLIO UPDATES		Program Activity Reports			Program Activity Reports 2024 NEEA Ops Plan Highlights	
OTHER *Meeting dates, utility related, announcements*	EFX dates / registration	EFX Recap		NEEA Ops Plan webinar for RPAC	EFX topic solicitation Leadership Awards Confirm 2024 meeting dates	

LIST OF 2023 PRIORITY 1 TOPICS:
(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 (LLLCs)
Topic C: Review current LLLC training approaches/ topics which ISCC is already implementing/ planning
Topic E: Share learning by utilities from LLLC projects & key takeaways from LLLC 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
Topic D: Regional sharing & leveraging of diff approaches to define baseline, address capacity issues/other benefits f/programs
Topic C: Explore how to improve management of suppl heat in CC

LIST OF 2023 PRIORITY 2 TOPICS:
(In order of highest ranking within each product group, per survey)

Commercial HVAC: High Performance HVAC (VHE DOAS)
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;
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
Topic C: Lever fed, state, local funding (IRA, IIJA, ESSER) to promote syst approaches
Topic A: Reg sharing & leveraging of diff approaches to define code baseline for this tech (Red Car Analysis)
Topic E: Discuss capacity issues & shared learnings/ approaches to quantifying benefits & applying CE calc
Topic D: Leverage/navigate NEEA's QPL

Res. Building Envelope: High Performance Windows (HPWs)
Topic E: Savings/ CE barriers
Topic B: Review new E* V7 spec to understand opportunities re: NEEA's MT practice & utility prog strategies
Topic F: Cross-sharing experiences from local + NEEA perspectives
Topic C: Discuss product avail challenges in rural areas/ bulk purchase opportunity "Buyers Club"

Commercial Lighting: Luminaire Level Lighting Controls (LLLCs)
Topic D: Share summarized LLLC utility project data to gain insights on adoption of LLLC
Topic B: Discuss utilities' experience & opportunities to expand advance controls to exterior applications
Topic A: Review approaches for reporting LLLC energy savings, incl RTF & utility methodologies
Topic F: Discuss challenges with incentivizing LLLC, including CE

HVAC Residential: Variable Speed Heat Pumps (VSHPs)
Topic E: Sharing on supply chain constraints & labor barriers

Memorandum *– Informational Update (Tier 2)*

July 31, 2023

TO: Integrated Systems Coordinating Committees
FROM: Tamara Anderson, Program Manager
SUBJECT: High-Performance Windows

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<u>Our Ask of You</u>:

Please come prepared with any questions you may have about the High-Performance Windows program.

Recent High-Performance Windows Program Highlights:

- Tamara Anderson and Rick Dunn recently attended the [Window and Door Manufacturers Association's Technical and Manufacturing Conference](#) where we met with four major manufacturers to build relationships along with a representative from [MN CEE](#).
- We're close to signing a **contract with a major manufacturer** for data acquisition and to explore limited market channel activities in support of market adoption of High-Performance Windows and discover market insights, lessons learned and key takeaways.
- We collaborating with [MN CEE](#) on a **macro level study based on manufacturer/supplier interviews** to understand the total number of units sold in the Northwest (and MN) segmented by efficient and non-efficient windows defined as .22 U-Factor or less, along with understanding the breakdown of prescriptive (≤ .22 U-Factor) and the Equivalent Energy Performance defined by the new [ENERGY STAR v7 specification](#). The purpose of this is to refine our baseline and forecasting for the program.
- A third-party **review of our Naturally Occurring Baseline and Forecast** is expected to be posted on neea.org by the end of Q3.
- We have a new article posted on BetterBuilt^NW with a focus on the [Benefits of Triple-Pane Windows](#).
- We're starting work on a **case study for project at the Confederated Tribes of Grande Ronde** which should be posted on BetterBuilt^NW this fall.

Please contact **[Tamara Anderson](#)** if you have questions about the High-Performance Windows Program.

PROGRAM LIFECYCLE STATUS