

RESIDENTIAL ADVISORY COMMITTEE MEETING



DATE: November 7, 2019
 TIME: 9:30 am – 3:00 pm
 LOCATION: NEEA Offices: 421 SW 6th, Portland, OR
 DIAL-IN: 1-877-890-9502
 Enter the participant code: 721-854-9922
 WEBINAR: <http://neea.adobeconnect.com/neearac2019q4>

DESIRED OUTCOMES:

- Robust discussion, feedback and advice on agenda items
- Impart relevant, pertinent information to each other

AGENDA

Time	Topic	Lead	Packet Page
9:30 – 9:50	WELCOME AND INTRODUCTIONS	Eugene Rosolie	
9:50 – 10:20	HOUSEKEEPING <ul style="list-style-type: none"> • Packet/Informational Updates (not agenda topics) <ul style="list-style-type: none"> ○ Cover Memo <ul style="list-style-type: none"> ▪ Residential Programs Memos 	Eugene Rosolie Jeff Mitchell	12-18
10:20 – 11:05	Consumer Products: Residential Refrigerators <i>Desired Outcome: Inform AC members so they are acquainted with the issue and have an understanding to meaningful participation</i>	Nick Leritz	9
11:05 – 11:15	<i>Break</i>		
11:15-12:00	Coordinating Committee <i>Desired Outcome: AC members are involved so their concerns and aspirations are understood and considered.</i>	Eugene Rosolie Jeff Mitchell	5
12:00 – 12:30	<i>Lunch (provided)</i>		
12:30 – 1:30	Utility Roundtable	All	
1:30 – 1:40	<i>Break</i>		
1:40 – 1:55	Digital Coupons <i>Desired Outcome: AC members are involved so their concerns and aspirations are understood and considered.</i>	Jon Clark	4

1:55-2:40	<p>Ductless Heat Pumps</p> <p><i>Desired Outcome: Consult AC members so feedback and advice is heard and understood.</i></p>	Suzi Asmus	10
2:40 – 2:45	<i>OPPORTUNITY FOR PUBLIC COMMENT</i>		
2:45 – 3:00	<p>WRAP UP/ADJOURN</p> <ul style="list-style-type: none"> • Meeting feedback • Adjourn 	All	

Memorandum



October 31, 2019

TO: Residential Advisory Committee (RAC)
FROM: Eugene Rosolie, Stakeholder Relations Manager
SUBJECT: RAC Packet Appendices – Q4 2019

PACKET APPROACH

This packet continues the “tiered” approach:

- Meeting Preparation Highlights
- Tier-1 memo for items on the agenda
- Tier-2 memos for informational updates on items not requiring agenda time
- Tier-3 materials provided as additional detail for those interested

INFORMATIONAL UPDATES

Enclosed please find **Tier-2** informational updates on the following:

- Page 12: Heat Pump Water Heaters
- Page 13: Next Step Homes
- Page 14: Consumer Products
- Page 15: Smart Thermostats
- Page 16: Conference Coordination
- Page 17: Residential Portfolio Lifecycle Phases
- Page 17: Residential Program Upcoming Engagement Opportunities

ADDITIONAL DETAILS (Tier 3)

Tier-3 materials related to the agenda items and informational updates listed above will be accessible through links in those memos. Additional Tier-3 details are available here:

- Q4 2019 [Market Research & Evaluation](#)
- Q3 2019 [Codes, Standards and New Construction](#)
- Q4 2019 [Emerging Technology Report](#)
- Q3 2019 [Marketing Newsletter](#)
- Q3 2019 [RPAC meeting notes](#)
- Q3/Q4 2019 Residential Workgroup meetings – See individual memos for links

Memorandum - Agenda item (Tier 1)



October 31, 2019

TO: Residential Advisory Committee (RAC)
FROM: Jon Clark, Market Channel Manager – Retail/Wholesale
SUBJECT: Digital Coupons

Our Ask of You:

Is your organization interested in participating in this effort, either directly or as part of a package?

Brief Overview:

The Consumer Products Regional Strategy Steering Committee identified the need for a better down-stream rebate solution. Individual utilities across the region have explored digital coupon solutions but few have engaged because the initial set-up cost has been prohibitive. NEEA worked with a provider to develop a regional digital coupon solution that can be leveraged by utilities at significantly reduced prices. NEEA is currently presenting the proposal to utilities to gauge interest and determine next steps.

Status:

NEEA has received positive feedback from two utilities. Both organizations are looking to launch the proposed digital coupon solution in January 2020 with Home Depot and Lowes for smart-thermostats and heat pump water heaters. NEEA is working with Uplight (the solution provider aka Simple Energy) to create the required regional validation database that participating utilities will leverage.

Based on input, NEEA has worked with Uplight to develop a package solution that could be leveraged by multiple utilities at a reduced price. Uplight has presented a package that would require participation by a minimum of 20 utilities. The package would offer participating utilities the flexibility to brand and customize all customer-facing portions of the solution (mobile app, in-store signs, call-center support). However, the package requires participating utilities use common contract language, retailers, products and a common incentive range. The consistency required in the package results in an additional ~20% discount to participating utilities. NEEA is working with BPA to determine the level of interest in the package offer and assess the possibility of getting at least 20 participants.

Please contact [Jon Clark](#) if you have questions about this digital coupon solution.

Memorandum – *Agenda item (Tier 1)*



October 31, 2019

TO: Residential Advisory Committee (RAC)
FROM: Eugene Rosolie, Stakeholder Relations Manager
SUBJECT: Coordinating Committee – Check-in

Our Ask of You:

Please review the following context and come to the meeting prepared to give your feedback, based on your experience, on how best to operationalize the Coordinating Committees (CCs) for success.

Context:

RPAC, at the Board's direction, proposed to the Board an advisory committee structure that clarifies RPAC's roles and responsibilities and redefines the roles of the sector advisory committees and work groups to ensure distinct and complementary roles, as well as, compatibility with the product groups structure of NEEA's 2020-2024 Business Plan.

- The proposed, streamlined committee structure includes the following forums and roles:
 1. Regional Portfolio Advisory Committee (RPAC):
 - a. Portfolio optimization and program advancement
 - b. Downstream marketing coordination (RPAC+)
 - c. Monitor outcomes of all advisory committees
 - d. Oversee supporting committee and work groups
 - e. Advises NEEA's Executive Director
 2. Coordinating Committees (CCs):
 - a. Program/activity coordination
 - b. Leverage opportunities for market influence
 - c. Reports to RPAC
 3. Work Groups (WGs):
 - a. Limited-term, as-needed for purposes distinct from roles of RPAC and CCs
 - b. Reports to RPAC (with dotted line to CCs if applicable)

The Board has informally approved the proposed structure and will reconvene on 12/4 and 12/5 to consider for final approval. In the meantime, per the Board's request, RPAC is on task to review and clarify RPAC Charter edits at its meeting on 11/13. Once the Board officially approves the RPAC, CC, and Work Group Charters, RPAC will be on task to assess who will represent their organizations most effectively on the CCs, considering the CCs' scope below *:

- To support Alliance by collaborating with NEEA staff on coordination and optimization of NEEA programs and activities,
- To identify and manage through potential implementation challenges between NEEA and local utility activities, and seize leveraging opportunities that can drive amplified market influence, and
- To share knowledge, expertise and resources with NEEA staff and RPAC members to improve the design, delivery and results of regional programs and related activities.

**Coordinating Committee Draft Charter attached for your reference.*

NEEA's Stakeholder Relations group is working with staff to design the operational details of the Coordinating Committees, adhering to RPAC's intent and guiding principles below, and addressing alliance members' concerns wherever possible to support a smooth transition to the new structure. Our hope is to utilize the most effective engagement practices and communication channels, and have these meetings be more efficient, productive and engaging. **This is where we need your help.**

QUESTIONS FOR YOU—Please ponder the following and be ready to share your ideas, based on your experience with committee meetings overall:

- What have you found most valuable about committee meetings overall (NEEA or non-NEEA)? *Least* valuable?
- What communication channels (e.g. topic specific memos, portfolio updates, slides, notes, recordings, newsletters, reports) have you found most helpful/effective? *Least* helpful/effective?
- What meeting structure (e.g. 1:1 meetings, calls, webinars, timing, cadence, discussion, presentations) have you found most productive? *Least* productive?
- Any other ideas you'd like to share, that will be useful in the operational design of the Coordinating Committee?

PRODUCTS COORDINATING COMMITTEE CHARTER Review

process:



DRAFT

HISTORY			
Source	Date	Action/Notes	Next Review Date
RPAC	July 1, 2019	Proposed Draft	Q1 2020
Governance Committee	TBD, by email	Recommended Board approval	Q2 2025
Executive Committee	TBD, by email	Recommended Board approval	Q2 2025
Board Decision	December 5, 2019	Board approval	Q2 2025

Purpose

The purpose of the Coordinating Committees (CCs) is to support Alliance success by collaborating with NEEA staff on coordination and optimization of NEEA programs and related activities, to identify and manage through potential implementation challenges between NEEA and local utility activities, and seize leveraging opportunities that can drive amplified market influence.

This coordination is a critical and complementary function to support the Regional Portfolio Advisory Committee’s (RPAC) role to advise on NEEA’s portfolio composition and management, consistent with the goals and objectives of NEEA’s then-current Business Plan and annual Operations Plan. As such, the CCs are considered RPAC subcommittees and shall report to RPAC.

Responsibilities

1. To support effective performance of NEEA programs and related activities, consistent with the goals and objectives of NEEA’s annual Operations Plan, coordinate with NEEA staff to (a) identify and manage through instances of conflicting activities in common markets, and (b) identify and seize opportunities for leverage among alliance and local programs.
2. Share knowledge, expertise and resources with NEEA staff and RPAC members to improve the design, delivery and results of regional programs and related activities.
3. Ensure information and outcomes from CC are shared within CC member organizations, and coordinate with RPAC member as needed to support RPAC’s role.
4. Provide a forum for information exchange within the region on market and program updates and developments, and opportunities for collaboration.

Committee Membership

Each RPAC member may appoint one representative from his/her organization, who possesses sufficient expertise to fully inform alliance work, to serve on the CC.

Open Meetings and Closed Sessions

All CC meetings shall be open to the public. With the exception of sensitive information not appropriate for public dissemination, meeting materials (including but not limited to meeting packets, slide presentations, and summary notes) will be posted for public access. A closed session for part or all of any committee meeting may be called at any time to discuss sensitive information such as competitive or proprietary information that shall not be publicly shared. Any CC member may request a closed session.

Meeting Schedule

The CCs will determine with NEEA staff the appropriate meeting cadence based on the specific coordination needs of each CC.

Shared Commitment

CC members and NEEA staff share a commitment to robustly communicate within and among their respective organizations on the activities of this committee, in the spirit of collaboration and with the intent of operating with no surprises.

Charter Review schedule:

RPAC will review CC charters annually to confirm need and resource availability. The Board will review this charter during the first year of the funding cycle, or at other times as needed.

<i>NEEA Governance/ Management/ Advisory Roles and Responsibilities</i>	
NEEA Board	<ul style="list-style-type: none"> • All corporate governance and fiduciary duties, including ensuring the system of rules, practices and processes by which NEEA is directed to balance the interests of the alliance’s stakeholders, to support the achievement of the organization’s purpose • Strategic and Business Plan development and approval • Operations Plan and budget approval
NEEA Executive Director	<ul style="list-style-type: none"> • Manage the business of NEEA according to Strategic, Business and Operations Plans, set forth by Board • Oversee business operations and staff
Regional Portfolio Advisory Committee (RPAC)	<ul style="list-style-type: none"> • Advise NEEA’s Executive Director on portfolio performance and program advancement; “challenge flag” process; RPAC+ downstream marketing elections • Monitor developments from other advisory committees with regard to regional coordination, market progress, and emerging technology
Coordinating Committees (CCs)	<ul style="list-style-type: none"> • Collaborate with NEEA Staff and RPAC on coordination and optimization of NEEA programs and related activities, to identify and manage through potential implementation challenges between NEEA and local utility activities, and seize opportunities for amplified market influence
Cost Effectiveness and Evaluation Advisory Committee (CEAC)	<ul style="list-style-type: none"> • Advise NEEA’s Executive Director on methods, data sources and inputs for use in NEEA’s cost-benefit analysis and energy savings reporting • Advise NEEA’s Executive Director on market research and evaluation methodologies
Regional Emerging Technology Advisory Committee (RETAC)	<ul style="list-style-type: none"> • Advise NEEA’s Executive Director on NEEA’s work toward achieving its strategic pipeline goals • Track and coordinate the progression of energy efficiency technologies to improve technology readiness and market adoption in the Northwest
Work Groups	<ul style="list-style-type: none"> • Formed by RPAC on an as-needed basis and staffed with as-needed expertise, for a limited term and specific purpose that is distinct from that of RPAC, the CCs, and other Advisory Committees or Work Groups

Memorandum - Agenda item (Tier 1)



October 31, 2019

TO: Residential Advisory Committee (RAC)
FROM: Nick Leritz; MT Manager, Consumer Products
SUBJECT: Residential Refrigerators

There are three interrelated refrigeration focus areas to share with the RAC in Q4:

1. Emerging Technologies in Residential Refrigeration

Manufacturers continue to invest in advanced energy technologies and bring them to market. Most important among these technologies is variable speed or inverter-driven compressors (much like those used in HVAC applications). Other refrigeration emerging technologies include multiple compressor and multiple condenser systems, vacuum insulated panels, solid state technology and alternative refrigerants. Combinations of these technologies, some of which are already in the market, make it possible to bring a refrigerator to market that is up to 40% more efficient than the current U.S. Department of Energy (DOE) baseline minimum.

2. Federal (DOE) Test Procedure Needs Updating

The DOE energy test procedure for measuring energy consumption has not changed in the past 30 years. It is based on a single temperature test point, without door opening and thermal packages. Other major markets have adopted new test procedures that are based on multiple temperature test points, door openings and thermal packages that better reflect consumer use conditions and encourage more energy efficient technologies. However, not only do current test requirements sometimes not adequately capture the benefits, there are cases of the test procedure negatively reflecting the performance benefits of these technologies. There is a strong need to improve the test procedure by building on international progress. NEEA is collaborating with a major manufacturer on potential testing to confirm initial findings. Results from this work will inform future DOE advocacy efforts.

3. U.S. EPA/ENERGY STAR® Joint Utility Manufacturer Procurement (JUMP) Program

Jump is an early stage pilot program facilitated by EPA staff to identify appliance manufacturers that have “next-generation” refrigerators that use 40% less energy than the US DOE Standard this year (2019). Key components of the program include:

- Support the manufacturer(s) with market entry value proposition
- Recruit utilities to participate in the program via available channels such as low-income programs and traditional consumer rebates
- Facilitate the development of online marketplaces to promote JUMP qualified products

This program directly supports accelerated market adoption of emerging refrigeration technologies and increases the need to address the DOE test procedure, as discussed above.

Ask of RAC: What NEEA stakeholders are interested in learning more about JUMP and might consider participating? Please contact [Nick Leritz](#) if you have questions about the NEEA’s work in residential refrigerators or interest in the JUMP program.

Memorandum – Informational (Tier 1)



October 31, 2019

TO: Residential Advisory Committee (RAC)

FROM: Suzi Asmus, Program Manager

SUBJECT: Ductless Heat Pump Program

Program Lifecycle Status



Our Ask of You: Please review the information below and send any questions, feedback, or concerns to [Suzi Asmus](#).

Regional Technical Forum (RTF) Action:

The RTF met on October 22nd and following is that recap of the DHP portion of that meeting:

The rest of the meeting was mostly taken up by the [Ductless Heat Pumps for Zonal, Electrically Heated Homes UES](#) measure. As in preliminary subcommittee meetings, [RTF] staff couched their update in the reality that the results they would be presenting indicated no cost-effective applications for the existing RTF measure, which as it is now does little in the way of participant screening. [RTF] Staff explained that the ideal measure specification would likely require installation of a DHP in the main living area of a home with no non-electric, supplemental heating sources present, and with a clear signal that the home is occupied year around relying on electricity as the main heating. Because the savings really matter on the specifics of the application, [RTF] staff proposed new screened applications that attempt to identify homes that rely heavily on electricity for space heating. Some of these screen applications *are* cost-effective.

At the RAC meeting I will be providing more on this situation and want to hear your reactions to this RTF action.

Evaluation Status:

On September 26, NEEA delivered a [webinar](#) presenting the results of the DHP 2019 Market Progress Evaluation Report (MPER) #8 incorporating takeaways from the June utility workshop, as well as the results of the summer installer research which included completed surveys with 87 installers. This survey gathered insights on DHP sales and installations, installer promotion of DHPs, and equipment and installation costs.

The MPER did *not* find that the market “*is transformed*”. It did find that *most barriers have been significantly reduced or removed* (an established supply chain and growing adoption of heat pumps in the region) and that the product is diffusing in most parts of the region, so these market effects in combination signal that the market is in the process of transforming. The report also found an increase in install cost over the last MPER, and identified gaps in understanding about what the data is showing in cold climates. NEEA’s Market Research and Evaluation team will be looking more closely at those areas in the next few months.

GoingDuctless.com

In September, NEEA communicated to utilities about several fall ductless manufacturer promotions from Ruud, Lennox, Daikin and Bryant. Utilities can find more information on the partners page [here](#). Customer-facing promotion information is posted [here](#).

Cold Climate DHP Work

Utility Communications: On September 25, Christopher Dymond delivered a webinar for utilities to learn more about advances in cold climate DHP performance, the recommended best practices and specifications for DHPs in the Northwest, and the qualified products list. You can find the webinar slides and an audio-only recording of the webinar [on Conduit here](#).

Installer Trainings: Throughout October, the NWDHPP team delivered installer trainings at Daikin- and distributor-sponsored events around Montana, Idaho and in Spokane, Washington. The three-hour trainings included information on recent advancements in DHP cold climate performance, technical training on finding and understanding system performance data, choosing and sizing systems using the newly (re)launched HVAC Sizing Tool, and effective sales techniques. Attendance varied but feedback from attendees was positive and enthusiastic.

Workgroup Updates

Workgroup members were invited to the webinars described and linked to above.

Please contact [Suzi Asmus](#) if you have questions about the Ductless Heat Pump Program.

Memorandum – Informational (Tier 2)



October 31, 2019

TO: Residential Advisory Committee (RAC)
FROM: Jill Reynolds, Senior Program Manager
SUBJECT: Heat Pump Water Heater Program

Program Lifecycle Status



Our Ask of You: Please review the Heat Pump Water Heater (HPWH) RAC memo below and send any questions, feedback, or concerns to [Jill Reynolds](#).

Continuing Education Unit Accreditation: The team prepared and submitted Continuing Education Units (CEU) applications to three accrediting institutions in Oregon and Washington. The Hot Water Solutions HPWH sales and technology training will be receiving approval from Oregon Construction Contractors Board and Washington Department of Labor & Industries. Securing accreditation for this training signals the importance and legitimacy of HPWH technology to installer companies and builders in our region and will impact supply chain partner motivation to plan and promote trainings, as well as encourage higher attendance rates at training events. The final institution, Oregon Building Codes Division, will announce their decision for our application in October 2019.

Key Account Engagement: The HPWH team is working with 16 Key Accounts throughout the region to bolster sales and installation of HPWHs. Each Key Account has undergone hands-on installation and sales training and received various levels of marketing support and installer SPIFs. All Key Accounts are offering HPWHs to homeowners, and many now have HPWH landing pages on their website. While HPWH sales have varied by installer, one top performer increases HPWH sales by 75% during the promotion period compared to the previous time period. The program team has gleaned valuable information from this overall engagement, which will inform a more streamlined and effective Key Account strategy in 2020.

Portland Market Collaborative HPWH Event: The HPWH team planned and delivered a Portland-area HPWH Market Collaborative event to engage and educate installer companies in and around Portland, OR. The event was coordinated in partnership with the three major electric water heater manufacturers, the Energy Trust of Oregon and interested utilities to enhance HPWH knowledge in a more “mature” HPWH market, taking a deep dive into manufacturer warranties, sales conversion and upcoming code changes. Thirty-nine attendees representing installer companies, builders and distributors participated in the event, supported by 12 manufacturer, utility and program staff.

Memorandum – Informational (Tier 2)



October 31, 2019

TO: Residential Advisory Committee (RAC)
FROM: Jonathon Belmont, Sr. Program Manager
SUBJECT: Next Step Homes Program – Q4 Update

Program Lifecycle Status



Our Ask of You:

Please review the memo and bring any questions, recommendations, feedback, or concerns about the Next Step Homes Program to the Q4 RAC meeting or contact [Jonathon Belmont](#).

Standard Modeling Protocol (SMP)

The SMP, used for the Performance Path, is scheduled to sunset as a Regional Technical Forum (RTF) active protocol measure at the end of 2019, following its current two-year initial approval period. The SMP is the unifying approach to energy modeling that results in utility-grade energy savings for the region and allows utilities to incent residential new construction activity based on the results determined through AXIS using the SMP. Next Step Homes program staff have been working with the RTF on providing the information and data required to analyze the current protocol and provide the insight necessary to authorize an extension to the sunset for the SMP. Re-approval of the SMP is anticipated for continued use in the region.

Home Efficiency Forum (HEF)

HEF was held from October 17-18, 2019, at the Porter Portland Hotel in Portland, OR, and was a tremendous success by all accounts. A write up, once all feedback from the event is collected and reviewed, will describe the event in detail. Highlights from this year's HEF include:

- Pre-conference site visit and training at Denney Gardens, a new nine-unit affordable housing development, under construction by [Willamette West Habitat for Humanity](#).
- After Dark Event – Featuring [Ann Edminster](#), a leading international expert on zero-energy, efficient green homes.
- Record attendance, including utility and other funder representatives, builders, contractors, manufacturers, distributors, home certification program representatives, architects/designers, building science experts, raters/verifiers/providers and energy efficiency enthusiasts
- Home Certification Program Roundtable
- Rater Focus Groups and a Rater Discussion Panel
- Sponsorships from Bradford White, CLEAResult, Daikin, Earth Advantage, Ekotrope, Energy Trust of Oregon, Johnson Air Products, Mitsubishi Electric, Northwest Aerobarrier, Panasonic, Pivotal Energy Solutions, Rheem and TRC.

Memorandum – Informational (Tier 2)



October 31, 2019

TO: Residential Advisory Committee (RAC)
FROM: Beth Littlehales, Senior Program Manager
SUBJECT: Consumer Products Q4 Update

Program Lifecycle Status



Retail Product Portfolio (RPP)

The RPP Program passed the Scale Up Milestone with a vote at RPAC on September 4! Thank you all for your help and support along the way.

Super-Efficient Dryers

NEEA is currently offering two rebates in market:

- An upstream, manufacturer-branded incentive on the Beko heat pump dryer. An instant rebate of \$300 per unit began on August 1 and will run through December 31, 2019. In October, NEEA supported the launch of a Beko-branded media campaign to generate consumer demand for the heat pump dryer and promote the instant rebate. The campaign leverages radio and digital channels and is targeted in areas where retailers carry the Beko product. The campaign runs through December 31. Learn more about the offer and Beko's heat pump dryer [here](#).
- A promotion with Nationwide Marketing Group to test Nationwide's ability to push an offer to encourage more flooring of heat pump products in the NW. Through this promo, Nationwide retailers are eligible to offer a \$300 customer rebate on Whirlpool heat pump dryer models, delivered as an online or mail-in rebate directly to customers, marketed and reimbursed through Nationwide. This offer launched in August and will continue through the end of the year.

Clothes Washers

NEEA is conducting testing to identify real-world energy use that reflects common, real-world fabric types, load sizes, and washer settings. Pilot testing is complete and the team is reviewing the data before continuing the testing on all units.

Please contact [Beth Littlehales](#) if you have questions about the RPP Program, Super-Efficient Dryers, or Clothes Washers.

Memorandum – Informational (Tier 2)



October 31, 2019

TO: Residential Advisory Committee (RAC)
 FROM: Tamara Anderson, Program Coordinator
 SUBJECT: Smart Thermostat Research Project Update

.....

Smart Thermostat Research Project Update

The Smart Thermostat Research Project kickoff meeting is scheduled for Nov.26. I'd like to extend a huge **thank you** to the organizations that have completed their Smart T-Stat contracts or have them in the final stages of legal review! This project is specially funded by the participating project funders and is not included in NEEA's Ops Plan budget. We're working on completing funding contracts and the contract with the vendor, Apex Analytics. Currently, we're still on target to keep the Connected Thermostat measure active with the RTF by asking for a one-year extension. Please send any questions, feedback, or concerns to [Tamara Anderson](#).

<u>Organization</u>	<u>Research Plan Development</u>	<u>RFP Selection Team</u>	<u>Advisory Team</u>	<u>Project Funder</u>	<u>Funding Contract Complete</u>
<u>BPA</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>Chelan PUD</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>In Review</u>
<u>Clark PUD</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>ETO</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>Idaho Power</u>		<u>X</u>		<u>X</u>	<u>In Review</u>
<u>NWPCC / RTF</u>	<u>X</u>	<u>X</u>	<u>X</u>		<u>N/A</u>
<u>Puget Sound Energy</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>Seattle City Light</u>		<u>X</u>		<u>X</u>	<u>X</u>
<u>Snohomish PUD</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>Tacoma Power</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>Final Signatures</u>
<u>NEEA</u>	<u>X</u>	<u>X</u>	<u>X</u>		<u>N/A</u>

Memorandum – Informational (Tier 2)



October 31, 2019

TO: Residential Advisory Committee (RAC)
FROM: Eugene Rosolie, Stakeholder Relations
SUBJECT: Conference Coordination

.....

OUR ASK OF YOU: Please review the Upcoming Event agenda(s) linked below and email me (erosolie@neea.org) if you'd like to coordinate with NEEA staff in advance of the event, and/or if there are specific topics/breakouts you'd like to hear about at our next RAC meeting.

Background

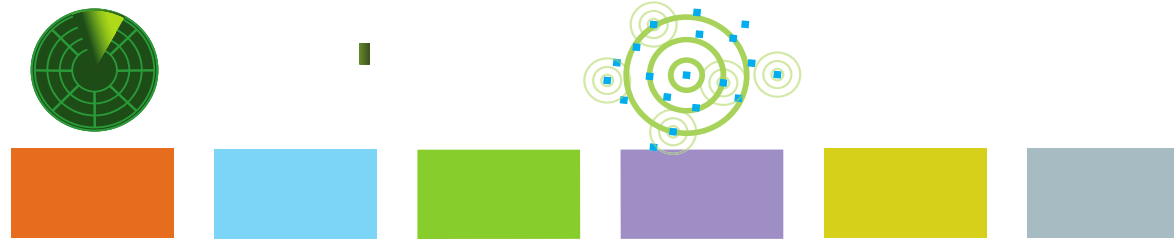
In response to a NEEA Board discussion last year about conference/event attendance, NEEA developed a tracking system to improve its management of who's going to what, and criteria that improves NEEA's ability to manage to its annual operations plan and budget.

There is a coordination opportunity here, to ensure we're connecting as appropriate in advance, and sharing out relevant takeaways after, ensuring that the value of these events is shared with the region. This will be a standing Housekeeping item for this Advisory Committee moving forward.

Upcoming Events

Date	Conference	Report
11/13/2019	IoT Tech Expo North America	Internal
11/17/2019	Clean & Affordable Energy Conference	Internal
1/7/2020	2020 Consumer Electronics Show	Internal

Residential Lifecycle Phases – Q4 2019



	Scanning & Concept Identification	Concept Opportunity Assessment	Market & Product Assessment	Strategy Testing & Finalization	Market Development	Long-term Monitoring	Anticipated Next Milestone move
Clothes Washers		✓					Q3 2020
Ductless Heat Pumps					✓		Currently evaluating
Heat Pump Water Heaters					✓		Q4 2023
Residential Lighting						✓	Early 2008
Manufactured Homes			✓				Q4 2019
Northwest ENERGY STAR® Homes						✓	April 2016
Next Step Homes				✓			Q1 2020
Retail Product Portfolio					✓		NA
Super-Efficient Dryers				✓			Q3 2021



Residential Upcoming Funder Opportunities – Q4 2019

Upcoming Funder Opportunities

Ductless Heat Pumps:

- At NEEA's November 26 Product Council meeting, Christopher Dymond and Bruce Harley will share the preliminary findings of lab testing of several cold climate heat pumps conducted for Natural Resources Canada and NEEA by the UL laboratories facility in Plano Texas. If you would like to attend, please contact [Suzi Asmus](#).

Heat Pump Water Heaters:

- No funder opportunities currently scheduled.

Manufactured Homes:

- No funder opportunities currently scheduled.

Next Step Homes:

- 'Top 10 Best Practices for Today's Homebuilder' training in Grants Pass, OR
 - Nov. 14 from 9:00 AM - 5:00 PM
 - 741 NW 4th Street, Grants Pass, OR 97526

Retail Products Portfolio:

- No funder opportunities currently scheduled.

Super-Efficient Dryers:

- No funder opportunities currently scheduled.

