

RESIDENTIAL ADVISORY COMMITTEE MEETING



DATE: August 1, 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: 770-237-832-9
 WEBINAR: <http://neea.adobeconnect.com/neearac2019q3>

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"> • RAC 2019 work plan • Packet/Informational Updates (not agenda topics) <ul style="list-style-type: none"> ○ Cover Memo <ul style="list-style-type: none"> ▪ Residential Programs Memos • NEEA’s Internal Re-Organization • Next Meeting Location 	Eugene Rosolie Jeff Mitchell	9-19
10:20 – 11:20	Retail Product Platform – Market Development Overview <i>Desired Outcome: AC are involved so their concerns and aspirations are understood and considered.</i>	Nick Leritz	5
11:20 – 11:30	<i>Break</i>		
11:30-12:00	Clothes Washers – Update <i>Desired Outcome: Inform AC members of program integration.</i>	Nick Leritz	6
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	Smart Thermostat Research Project <i>Desired Outcome: Inform AC members so they are acquainted with the project and have a understanding to meaningful participation</i>	Josh Mitchell	7

1:55-2:40	<p>Manufactured Homes – Market Development Preview</p> <p><i>Desired Outcome: Consult AC members so feedback and advice is heard and understood.</i></p>	Neil Grigsby	8
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

July 25, 2019

TO: Residential Advisory Committee (RAC)
FROM: Eugene Rosolie, Stakeholder Relations Manager
SUBJECT: RAC Packet Appendices – Q3 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 9: RAC 2019 Workplan
- Page 10-11: Heat Pump Water Heaters
- Page 12: Ductless Heat Pumps
- Page 13-14 : Next Step Homes
- Page 15: Super-Efficient Dryers
- Page 16-17: NEEA Re-Organization
- Page 18: Conference Coordination
- Page 19: Portfolio Overview
- Page 20: Residential Program Upcoming Engagement Opportunities
- Page 21: Residential Portfolio Life-cycle Phases

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:

- Q2 2019 [Marketing Newsletter](#)
- Q3 2019 Market Research & Evaluation (currently not available)
- Q3 2019 Emerging Technology Report (currently not available)
- Q2 2019 [RPAC meeting notes](#)
- Residential Workgroup meetings – See individual memos for links

Meeting Preparation Highlights

Housekeeping:

- Review Tier 2 memos.
- Consider whether you want to host the next RAC meeting.

Retail Product Platform – Scale Up:

- **Engagement Level: Involve** – [see Engagement Spectrum](#)
- Please review the memo and bring any questions, recommendations, feedback, or concerns about the state of the RPP program, or the program’s recommendation to move into Market Development in September 2019.
- NEEA staff have prepared an initiative Milestone document detailing program progress and the recommendation to move to the Market Development page. The document is available [here](#).
- NEEA contractor has completed its evaluation of program strategies, baselines, and documentation. Final report is available on neea.org [here](#).
- Three other ESRPP program sponsors have completed successful evaluations of their participation in the program. Reports are available on Conduit [here](#).

Manufactured Homes – Pre-Scale Up:

- **Engagement Level: Involve** – [see Engagement Spectrum](#)
- Please review the [workgroup presentation](#) and [notes](#).

Clothes Washers:

- **Engagement Level: Inform** - [see Engagement Spectrum](#)
- Review the Tier 1 memo.

Smart Thermostat Research Project:

- **Engagement Level: Inform** – [see Engagement Spectrum](#)
- Funding utilities formed a subject matter expert review team to advise on the RFP proposals and select a candidate.

NEEA Re-Organization:

- **Engagement Level: Inform** – [see Engagement Spectrum](#)
- Review the Tier 2 document
- Consult with your RPAC member

Utility Roundtable:

- **Engagement Level: Inform** – [see Engagement Spectrum](#)
- Bring any highlights you’d like to share with the group from your organization. This time, we’d especially like to hear about your 2020 planning.

Memorandum - *Agenda item (Tier 1)*

July 25, 2019

TO: Residential Advisory Committee (RAC)

FROM: Beth Littlehales, Senior Program Manager

SUBJECT: 2019 Retail Product Portfolio Program – Q3 Update

Program Lifecycle:



The goal of the Retail Product Portfolio (RPP) Program is to transform the market for select product categories of home appliances and consumer electronics toward higher efficiency. This is accomplished through collaboration with other energy efficiency program administrators around the country and national retailers, as well as the US Environmental Protection Agency (EPA) and other market partners.

Evaluation Status

Apex Analytics has conducted a thorough evaluation of program strategy and supporting documentation, including data and strategy analysis for each product in the portfolio. The work expanded last fall to encompass market characterizations for each product that included a review of all data, NEEA's proposed baseline approach, and the product strategies flagged for near-term focus. The evaluation is complete and is available on nea.org [here](#).

Program Status

NEEA staff recommend transitioning to Market Development in Q3 2019. With the development of an evaluation framework, as well as successful evaluations on behalf of three other ENERGY STAR® RPP program sponsors (available [here](#)), NEEA staff believe the program design has been sufficiently tested and is sound. The goals of the Strategy Testing & Finalization phase have been met and NEEA staff is working to mitigate identified risks. The Regional Portfolio Advisory Committee (RPAC) at its meeting on September 4 will consider recommending RPP move to Market Development. The milestone document is available [here](#). **The program team would like to know from RAC members what information you need to communicate with your RPAC member regarding the request for milestone Approval.**

To find out more about this program's market transformation theory and 2019 objectives go [here](#).

Please contact [Beth Littlehales](#) if you have questions about the RPP Program.

Memorandum – Agenda item (Tier 1)

July 25, 2019

TO: Residential Advisory Committee (RAC)
FROM: Nick Leritz, Market Transformation Manager, Consumer Products
SUBJECT: Clothes Washers – Q3 Update

Program Lifecycle Status



Brief Overview:

NEEA’s Portfolio Management Team approved moving through the Concept Advancement milestone for Clothes Washers on May 23, 2019. There is a large savings opportunity with clothes washers (Technical Potential: 110 aMW), specifically with top load models that continue to dominate sales. This research is being done in collaboration with the Super-Efficient Dryers initiative and Retail Product Platform (RPP).

Research Objectives:

- Develop a lab test protocol that reflects real-world fabric types, load sizes, and/or washer settings.
- Develop Regional Technical Forum (RTF) Unit Energy Consumption (UEC) and Unit Energy Savings (UES) values based on test results from the new protocol.
- Develop guidance that NEEA or others may use to support future test procedure and standards advocacy.
- Understand technology opportunity for efficient top load washers and ultra-sonic adoption across all washers.
- Understand how to move customers to more efficient top loaders or from top to front loaders.

Status of Activities:

- Execute on RTF research strategy – In-progress, project kick-off took place on June 21, 2019 and will continue into 2020.
- Conduct testing and analysis of efficient top load GE agitator washer – In-progress, testing is complete with analysis and report due in August 2019.
- Research and quantify current clothes washer market trends and consumer motivations – In-progress, project kick-off on July 10, 2019 and scheduled to conclude in Fall 2019.
- Market outreach including manufacturers and Oak Ridge National Lab – Not started.

Please contact [Nick Leritz](#) if you have questions about Clothes Washers.

Memorandum – *Agenda item (Tier 1)*

July 25, 2019

TO: Residential Advisory Committee (RAC)

FROM: Tamara Anderson, Program Coordinator, Products

SUBJECT: Consumer Products Strategic Market Q3 Update: Smart Thermostat Research Project Update

Background:

The Regional Technical Forum’s (RTF) Connected Thermostat planning measure is scheduled to sunset on November 30, 2019. As a planning measure, RTF determined that more regional data was needed to keep this measure active. In response, the Steering Committee’s Smart Thermostat Task Force developed a [Research Strategy](#) - now approved by the RTF - that will provide a basis for the RTF to continue the measure active after November 30th.

Participating Stakeholders:

We want to thank Bonneville Power Administration, Chelan County PUD, Clark County PUD, Energy Trust of Oregon, Idaho Power, Northwest Power and Conservation Council, Puget Sound Energy, Seattle City Light, Snohomish County PUD, and Tacoma Power for participating in this project.

Project Status and Next Steps:

A Request for Proposal was posted on June 7, 2019. We received four responses to the Request for Proposal. Subject matter experts from the participating stakeholder organizations jointly interviewed three firms. The review team selected Apex Analytics as the firm to work with moving forward. Next steps including drafting contracts with participating stakeholders. We anticipate work to begin in the early fall of 2019.

Please contact [Tamara Anderson](#) if you have questions about the Smart Thermostat Research Project.

Memorandum – *Agenda item (Tier 1)*

July 25, 2019

TO: Residential Advisory Committee (RAC)
FROM: Neil Grigsby, Portfolio Program Manager
SUBJECT: Manufactured Homes Scale Up Milestone Review

Program Lifecycle Status



Our Ask of You:

Please provide updates on current and future support for manufactured homes and utilities programs in your local markets, and feedback to inform NEEA’s Scale-Up plan.

Brief Overview:

NEEA staff are planning to recommend moving the Manufactured Homes program into Market Development in Q4. This will require a milestone recommendation from the Regional Portfolio Advisory Committee (RPAC) at its Q4 meeting. At the Q3 RAC meeting, I will provide a review of program activities over the last 18 months that support the introduction of the NEEM+ specification into the Manufactured Homes market.

Key activities to be reviewed included: Manufacturer technical support and upstream incentives, retailer outreach and marketing support, and an online awareness campaign targeted at manufactured home buyers.

The Q3 RAC review will also include a look ahead to the milestone and how the program is planning for the next phase.

Related Documents:

February Work Group Presentation: <https://conduitnw.org/Pages/File.aspx?rid=4815>

February Work Group Notes: <https://conduitnw.org/Handlers/conduit/FileHandler.ashx?RID=4806>

Memorandum – Informational (Tier 2)

July 25, 2019

TO: Residential Advisory Committee (RAC)
 FROM: Eugene Rosolie, Stakeholder Relations Manager
 SUBJECT: RAC 2019 Workplan

Note: Due to pending streamlining changes the workplan does not extend into 2020.

Q1 2019 Feb 7 - Portland	Q2 2019 Apr 30 - Sea Lighting Lab	Q3 2019 Aug 1 - Portland	Q4 2019 Nov 7 - Portland
-----------------------------	--------------------------------------	-----------------------------	-----------------------------

Portfolio Review

	Portfolio Review		Portfolio Review
--	------------------	--	------------------

Program Review

DHP/HPWH – 2019 Marketing Strat Review, Next Step Homes – update RPP Scale up Review	DHP-LTMT RPP FCP Review	Manufactured Homes Milestone Review Next Step Homes Milestone Review Retail Product Portfolio Scale-up Approval	Manufactured Homes Scale-up Milestone Next Step Homes Milestone Review
--	----------------------------	---	---

REGIONAL MARKET STRATEGIES

Progress review	Progress Review	Progress review	Progress Review
-----------------	-----------------	-----------------	-----------------

CODES & STANDARDS

--	--	--	--

EMERGING TECH

--	--	--	--

GOVERNANCE/OTHER

Workplan update	Workplan update	Workplan update	Workplan update
RAC Roundtable	RAC Roundtable	RAC Roundtable	RAC Roundtable
Annual RAC Charter Review		Review Charter	Confirm 2020 meeting dates
Workgroup Review			

MISC TOPICS

AC/WG Streamling Q2 Meeting Location			

Memorandum - *Agenda item (Tier 2)*

July 25, 2019

TO: Residential Advisory Committee (RAC)

FROM: Jill Reynolds, Sr. Program Manager

SUBJECT: Heat Pump Water Heater Program – Q3 Update

Program Lifecycle:



Key Account Activities: NEEA is working with 16 Key Installer Accounts to address ongoing, pervasive adoption barriers in the supply chain. Installers are still reluctant to offer HPWHs to their customers, but when they do, [our research shows](#) their customer will select a HPWH 30 – 50% of the time. We will work with our Key Accounts to enhance their existing marketing and training channels and brands, helping them promote HPWHs. Some highlights of our 2019 Key Account activities include:

George Morlan: George Morlan is a Key Account serving several Oregon communities. NEEA coordinated a HPWH marketing campaign, including a [HPWH media spot](#) with KOIN (local Portland TV station) and Energy Trust which ran during prime viewing hours on KOIN in morning and evening news programming.

B&R Plumbing: B&R is a Key Account serving Pierce County, WA. NEEA worked with B&R to develop a [dedicated landing page for HPWHs](#).

Gold Seal Plumbing: Gold Seal is a Key Account serving the Spokane Valley. NEEA worked with Gold Seal to develop a [dedicated landing page for HPWHs](#) and we modified our [existing HPWH commercial](#) for them to air.

Many other Key Account marketing and incentive opportunities are in development and will continue to be refined as we learn more about what tactics are successful to drive adoption. Please contact [Jill Reynolds](#) if have a Key Account you'd like NEEA to work with.

HPWH Photo Library Refresh: new installation and lifestyle photos were recently taken for the [hotwatersolutionsnw.org photo library](http://hotwatersolutionsnw.org/photo-library). The first round of installation photos is currently available in the library and lifestyle photos will be available in the next couple of weeks. Anyone may use the photos and the password to access photos is HPWH4Life.



Workgroup Updates: Held Q2 HPWH utility workgroup on June 5. Twenty-one participants joined the workgroup, many in-person, and we discussed:

- 2019 HPWH program progress
- Differences in success in the retail channel across the region
- Varying installation costs and high installation costs
- Small space ProDeal installation in Montana

Meeting notes can be found on [Conduit](#).

Please contact [Jill Reynolds](#) if you have questions about the HPWH Program.

Memorandum – *Informational (Tier 2)*

July 25, 2019

TO: Residential Advisory Committee (RAC)

FROM: Suzi Asmus, Program Manager

SUBJECT: Ductless Heat Pumps – Q3 Update

Program Lifecycle Status



Evaluation Status:

On June 5, NEEA hosted a workshop as part of the 2019 Market Progress Evaluation for utility partners to learn more about the process, early findings, and implications of NEEA’s evaluation to determine readiness for a transition the DHP program from Market Development to Long-Term Monitoring and Tracking (LTMT). It was also an opportunity for utilities to weigh in on the risks and opportunities they see for the DHP market in their service territories if NEEA were to transition out of the market. Workshop presentation, notes and outcomes can be found [on Conduit here](#). The Market Progress Evaluation Report is expected in August and will inform 2020 Operations Planning and determination of readiness program transition.

HVAC Sizing Tool:

A demonstration of the updated HVAC Sizing Tool (previously SpecPro) was presented through a webinar on June 25, 2019. The HVAC Sizing Tool (HVAC ST) is a free, online resource used to that was developed to address all the barriers our programs are trying to overcome in efficient homes and advanced heating systems. Those barriers include; HVAC system performance, technology confidence, and homeowner satisfaction. During the webinar, the HVAC Sizing Tool was described, its functionality explained and a demonstration on how to use the tool was presented. Attendees to the webinar also received a sample home and login credentials to the HVAC Sizing Tool so they can practice entering a home themselves. Full release of the HVAC ST will take place at the Home Efficiency Forum (HEF) October 17-18 in Portland, OR. Tutorial videos are currently in development and will be discoverable through [GoingDuctless.com](#) and [BetterBuiltNW.com](#).

Workgroup Updates

Notes and slides from the February 12 Workgroup webinar can be found [on Conduit here](#). Workgroup members were invited to the HVAC Sizing Tool Webinar on June 25 and the June 5 Stakeholder Workshop.

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

Memorandum – *Informational (Tier 2)*

July 25, 2019

TO: Residential Advisory Committee (RAC)
FROM: Jonathon Belmont, Sr. Program Manager
SUBJECT: Next Step Homes Program – Q3 Update

Program Lifecycle Status



Brief Program Update

Next Step Homes is moving towards a Regional Portfolio Advisory Committee (RPAC) recommendation to move the program through the Scale Up milestone in Q1 2020. The focus of Scale Up for Next Step Homes is the integration of natural gas funding and code-focused activities into the program. Prior to Scale Up, a presentation on the Next Step Homes Program will be provided to inform RAC about the program’s activities and ensure a mutual understanding of NEEA’s Scale Up proposal.

Advanced Wall Study

The desired outcome of this study is measurable increase in the use of net zero class wall system archetypes in the new home construction market over the next 5 years. Deliverables include training materials, technical resource documents, and proposed future work.

Earth Advantage is the contractor for Advanced Wall Study. This study is intended to move current practice from conventional new home wall assemblies from standard 2x6 frame construction to one of three highly efficient “net zero class wall” system archetypes.

The study is envisioned in three phases:

- Phase One will provide documentation of the archetype systems and identifying builders currently using them. The final report is due in late July/early August.
- Phase Two goal is documenting the evidence of additional value of these wall system archetypes that needed to overcome market acceptance barriers.
- Phase Three (if funded) involves moving the market through direct intervention with builders, code officials, above market certification programs, raters and other market actors identified in the second phase.

HVAC Sizing Tool:

A demonstration of the updated HVAC Sizing Tool (previously SpecPro) was presented through a webinar on June 25, 2019. The HVAC Sizing Tool (HVAC ST) is a free, online resource used to that was developed to address all the barriers our programs are trying to overcome in efficient homes and advanced heating systems. Those barriers include; HVAC system performance, technology confidence, and homeowner satisfaction. During the webinar, the HVAC Sizing Tool was described, its functionality explained and a demonstration on how to use the tool was presented. Attendees to the webinar also received a sample home and login credentials to the HVAC Sizing Tool so they can practice entering a home themselves. Full release of the HVAC ST will take place at the Home Efficiency Forum (HEF) October 17-18 in Portland, OR. Tutorial videos are currently in development and will be discoverable through GoingDuctless.com and BetterBuiltNW.com.

Please contact [Jonathon Belmont](#) if you have questions about the Next Step Homes Program.

Memorandum – *Informational (Tier 2)*

July 25, 2019

TO: Regional Portfolio Advisory Committee (RPAC)
FROM: Stephanie Quinn Baker, Market Transformation Manager
SUBJECT: Super-Efficient Dryers Program – Q3 Update

Program Lifecycle Status



Beko upstream rebates August 1 – December 31

NEEA has signed an agreement with Beko to begin paying upstream, manufacturer-branded incentives on their heat pump dryer (functionally the same as the previously available Blomberg model). The base incentive of \$300/unit will begin on August 1 and run through December 31, 2019. Beko and NEEA will agree to raise the incentive to \$450 for limited promotional periods throughout the remainder of the year.

Samsung lab testing complete & QPL updated

NEEA has completed lab testing for Samsung’s new compact heat pump dryer. The unit performed very well with a UCEF of 7.5 and joins Beko/Blomberg at NEEA’s highest tier of efficiency, Tier 6. NEEA Staff is in the process of update the [regional Qualified Product List \(QPL\)](#) and will notify the Dryers Workgroup when that update is complete.

Heat Pump Dryer training

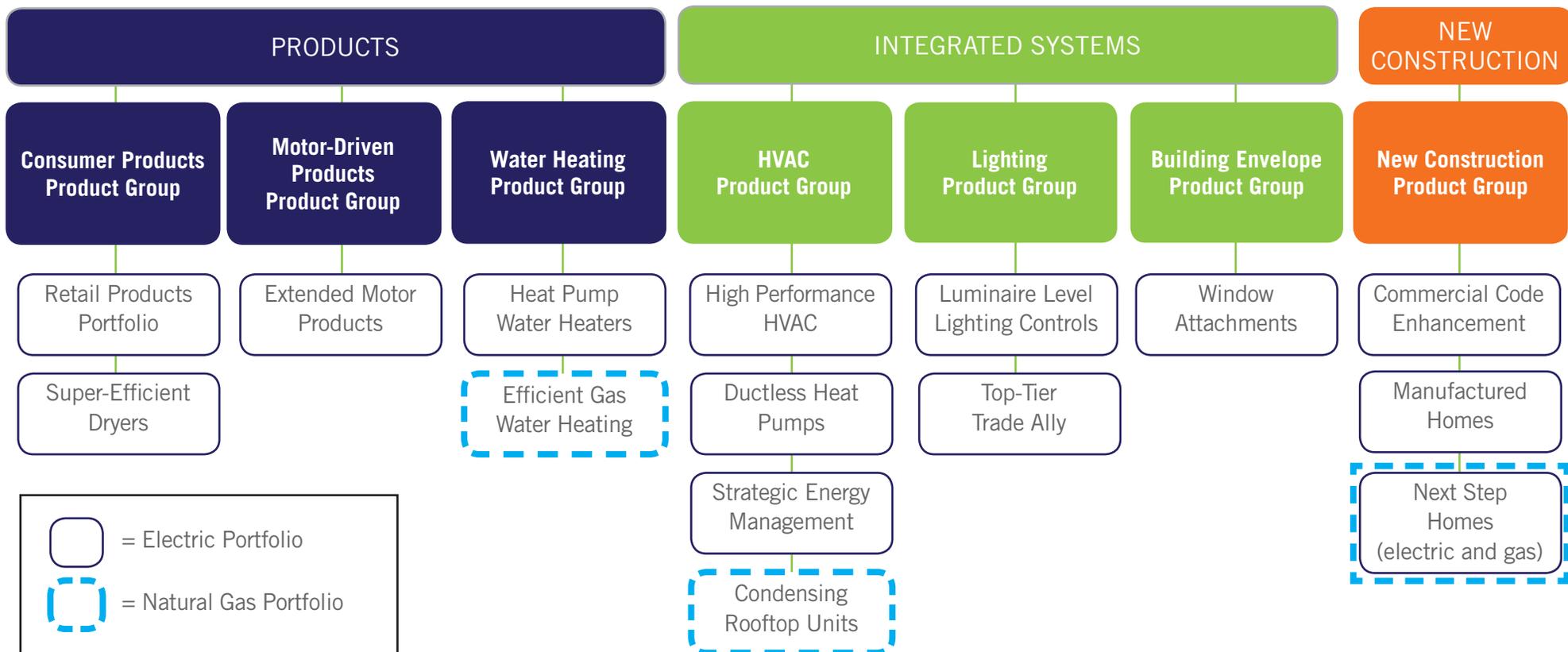
In Q2, NEEA Staff developed a heat pump dryer training targeted at utility field representatives. In June, NEEA Staff hosted a webinar to deliver that training. A [recording of the training](#), as well as the supplemental materials ([Staff Reference Card](#) and [Facilitation Guide](#)) are available on Conduit.

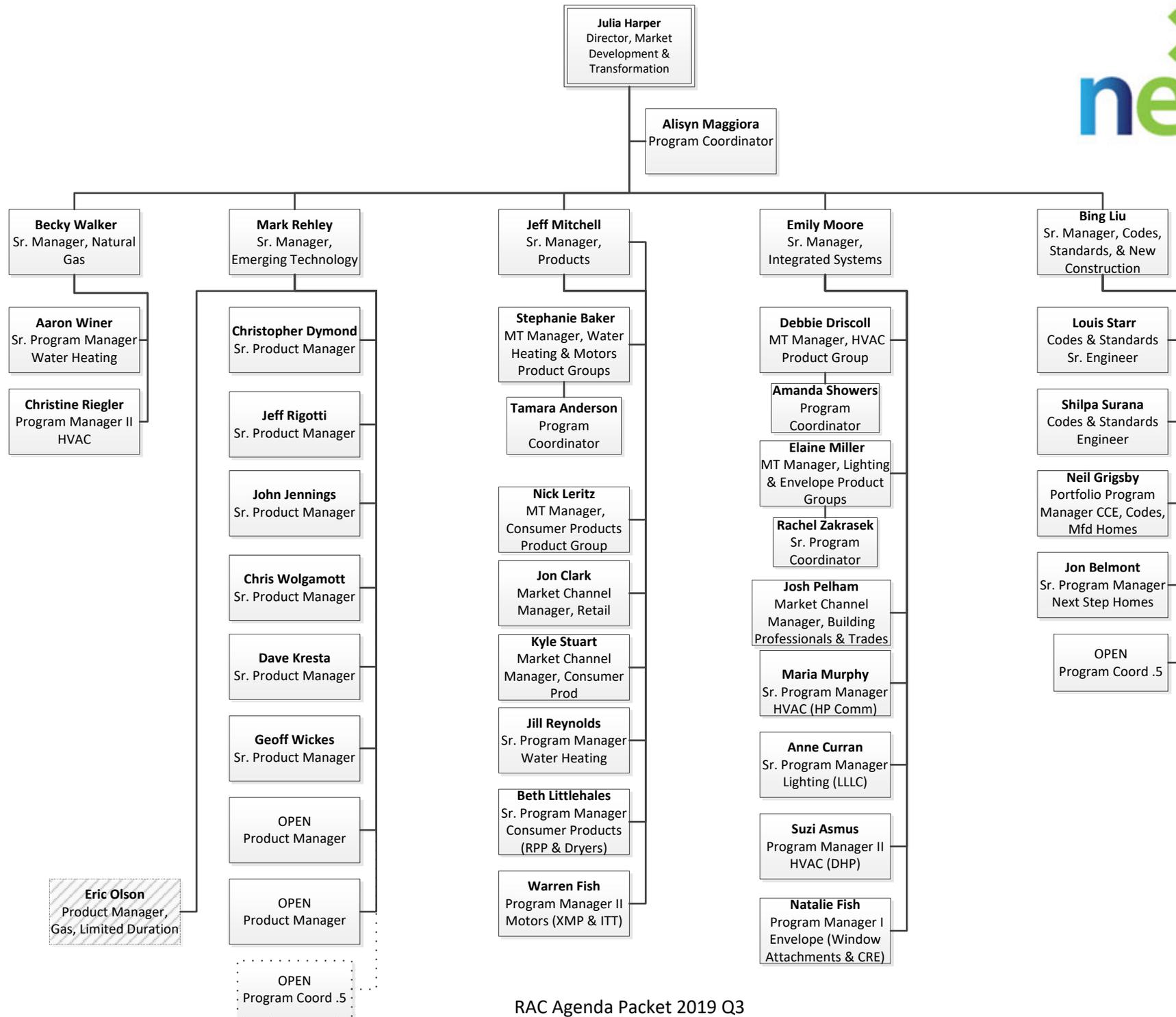
Links to Workgroup Meeting materials and other updates since Q1 2019

May 2019 Workgroup Meeting [notes](#) and [slides](#)

Please contact [Stephanie Baker](#) if you have questions about the Super-Efficient Dryer Program.
Link to Dryers Workgroup page on Conduit: <https://conduitnw.org/Pages/Community.aspx?RID=218>

Note: The Dryers Workgroup page on Conduit is marked “private” due to the sensitive nature of some manufacturer development plans. If you do not have access to the files linked above, please contact [Stephanie Baker](#).





Memorandum – *Informational (Tier 2)*

July 25, 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
10/15/2019	ACEEE Conference on EE as a Resource	Internal
10/17/2019	Home Efficiency Forum	Internal
11/17/2019	Behavior Energy and Climate Change Conference	Internal

NEEA Portfolio Overview

Portfolio Status as of July 2019

concept development		program development		market deployment	
SCANNING & CONCEPT IDENTIFICATION	CONCEPT OPPORTUNITY ASSESSMENT	MARKET & PRODUCT ASSESSMENT	STRATEGY TESTING & FINALIZATION	MARKET DEVELOPMENT	LONG-TERM MONITORING
Consumer Products	Clothes Washers (5/23)	Heat Pump Water Heater Split System	Retail Product Portfolio Super Efficient Dryers	Heat Pump Water Heaters Ductless Heat Pumps	TVs Residential CFLs White Goods
New Construction (Commercial & Residential)		Manufactured Homes	Next Step Home	Commercial Codes Enhancement <i>Integrated Design Lab</i>	Efficient Homes
Commercial Lighting				Luminaire Level Lighting Control (3/15) <i>Top Tier Trade Ally</i>	Reduced Wattage Lamp Repl. (4/29)
Other Markets	Air Nozzle	Window Attachments (Comm and Res) Industrial Motor Product Labeling/ XMP Dedicated Outdoor Air System		Codes & Stds <i>Ind. Tech. Training Comm Real Estate Comm & Ind. SEM</i>	RETA CRES Refrigeration Operator Cert Drive Power BldgOp Cert/Exp Commissioning 80Plus



Upcoming Funder Opportunities

Ductless Heat Pumps:

- Christopher Dymond will be presenting at NEEA's September 17 Product Council meeting the draft findings on the PNNL investigation of low cost controls options available to homes with a DHP used to displace electric forced air furnaces and zonal heating systems. The goal is to find a few solutions that limit electric resistance heating without noticeably impacting comfort. If you would like to attend, please contact [Suzi Asmus](#).
- 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:

- The BetterBuiltNW Team will hold a Round Table webinar for all utilities with programs or interest in the Performance Path from 9:00-10:00am on Wednesday, July 31. A guided discussion will cover topics including (a) building a pipeline for your program, (b) relationships (including challenges and opportunities) with non-utility groups (e.g., Home Certification Programs, local governments, etc.), (c) what is working in Performance Path and (d) what can be improved in the Performance Path. If you would like to attend, please contact [Jonathon Belmont](#).

Retail Products Portfolio:

- RPAC will vote on Scale-Up recommendation on September 4.

Super-Efficient Dryers:

- No funder opportunities currently scheduled.

Clothes Washers:

- No funder opportunities currently scheduled.



	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				✓			Q3 2019
Super-Efficient Dryers				✓			Q3 2020