



Product Council Series

AHPC Webinar

June 30, 2026



Advanced Heat Pump Coalition

Q2 All Members Webinar, June 30th, 2026

TOPIC: AHPC Workgroup Updates

Q2 Webinar Agenda

General Information - 10 minutes

- Advanced HP Coalition Intro

Workgroup Updates - 60 Minutes

- WG#2 Roadmap and OEM Engagement
- WG#4 Heat Pump Only Homes
- WG#10 Program Delivery

Wrap-up & Discussion - 20 Minutes

Webinar Objective: Increase collaboration and awareness of energy efficient heat pump market development, technologies, industry, and standards

Q4 Webinar Agenda

- WG#1 Test Procedure and Ratings
- WG#5 Connected Commissioning
- WG#8 Dual Fuel
- Guest - Room Heat Pump Collaborative

A “Coalition of the Willing”

Goal

To increase research collaboration among energy efficiency organizations that are working to accelerate market adoption of advanced heat pumps

Membership

- ACTIVE = Participate in workgroups, guide and fund collaborative activities
- PASSIVE = attend webinars, help socialize what we learn

General Info

- Work Group Leads guide collaboration
- NEEA provides admin support
- NEEP provides cold climate heat pump performance [database](#)
- MEEA maintains website with past docs and PPTs [The Advanced Heat Pump Coalition](#)

Brightest heat pump minds
from organizations such as these:



Workgroups

#	Title	Status	Co-Leads	Meeting Frequency	Goal or Topics
1	Test Procedure and Ratings	Active	Mvuala Suami David Lis	Bi-monthly	Improve heat pump performance ratings
2	Roadmap and OEM Engagement	Active	Christopher Dymond Lauren Eagan	Bi-monthly	Identify and communicating shared utility priorities/needs to OEM community
3	Contractor Best Practices	Complete	Matt Christie Ben Schoenbauer	N/A	Identifying best practices to help program managers improve savings and satisfaction of heat pumps
4	Heat Pump Only Homes	Active	Matt Christie Mike Hedlund	Bi-monthly	Design criteria, HP spec, information campaign, polar vortex, quantifying peak demand
5	Connected Commissioning	Active	Justin Margolies Rick Olson- Huddle Parker Wall	Monthly	CCX report definition, certification criteria, energy savings, value prop, who maintains the QPL
6	Load Flexibility	Pending		n/a	Load shifting, HVAC command stack, (OpenADR, EcoPort), limit to 100A load
7	Refrigerants	DOE already has working groups to address this		n/a	Next transition to ultra-low GWP, limiting leakage, policy and code impacts
8	Dual Fuel HP	Active	Ben Schoenbauer Noe Contreras	Monthly	Existing furnaces with HP coil? What is the best HP for dual fuel? What are the controls and design recommendations?
9	Multi-Head Systems	Pending		n/a	What is the true performance of multi-head systems, how best to optimize, when to go ductless,
10	Program Managers	Active	Suzi Asmus Jackie Albanese	3x per year	Share information about program approaches and best practices, find areas of collaboration

Workgroup #2

Roadmap and Manufacturer Engagement

Co-Leads of Workgroup

Christopher Dymond, NEEA

Lauren Eagan, Evergreen Energy Partners

WG#2 – Description

Objective and Purpose

- Innovative heat pump capabilities that enhance in-field performance are well supported by utility programs and provide additional value to the HVAC industry

Timeline & Schedule

- Continuous refinement of energy efficiency needs
- Annual engagement with manufacturers during AHR Expo
- Every-other-month meetings (ideally)

Actions and Deliverables

- Heat pump efficiency roadmap
- Share technology research
- Widespread utility program support exists for the features specified

WG#2 – 2026 Update

Two meetings in 2026

Outreach and Recruitment – 10+ new members

Priority topics:

- Thermostats / controllers
- Demand response standards
- Load efficiency and flexibility
- Contractor training
- Supply chain challenges
- Innovative and emerging products
- Refrigerants

July 9th Meeting Coming Up

Contact CDymond@nea.org and/or lauren.eagan@evergreen.energy

WG#2 – 2026 AHR Expo

12 meetings with OEMs

3 Primary Topics

- Thermostat specification unification
- Load flexibility – AHRI 1380 readiness
- Dual fuel

Key Findings

- Manufacturers appreciate our aligned voice – influence drives impact, enables manufacturers react accordingly
- Heightened sensitivity to affordability:
 - Dual fuel prevalence and "contractor-grade" lines
 - Value proposition varies widely across our territories
- Thermostats – continued collaboration needed on:
 - User experience, dual fuel compatibility, demand capabilities, default settings, and language/terms
- Tri-mode and air-to-water heat pumps a big opportunity on the horizon



WG#2 – 2nd Half of the year

Welcome New Members

- Round robin sharing of current emerging technology work
- Build on shared interests

WG#2 Roadmap Update

- Planned to update with group in Q4 2026 as precursor to OEM Engagement in 2027

Define Common areas of research need – for example:

- Thermostats / controllers?
- Contractor current practice?
- Retro commissioning?
- Duct systems?
- Multi-head system performance?
- Tri-mode heat pumps and air-water heat pumps?
- RTUs with heat pumps?
- Sizing and design?



Identify 3
AHR Expo 2027
Topics

July 9th Meeting Coming Up

- Contact CDymond@neea.org and/or lauren.eagan@evergreen.energy

Workgroup #4

Heat Pump Only Homes

Co-Leads of Workgroup

Matt Christie, TRC Companies, Inc
Mike Hedlund, E Source

WG #4 - Heat Pump Only Homes:

Goal

Broaden the acceptance and prevalence of homes where the only heating source is a heat pump.



WG #4's Goal:

Broaden acceptance and prevalence of homes where the only heating source is a heat pump.

Non-dogmatic:

- Move the needle
- Not always the best solution
 - Specific homes
 - Regions and climates
 - Fuel cost differentials
- HP only homes are viable in more homes and more climates than many people believe

• ***Barriers:***

- Commercially-available technology
- Costs: upfront and ongoing
- Knowledge and perceptions
 - Outdated ideas
 - Inaccurate information
 - Bad experiences and small sample sizes
 - Reasonable concerns on costs, or power-outages, or desire for heating backup

Who's participating in WG #4?

- Anyone is welcome!
- Meetings are every other month, typically <10 people.
 - 3rd Monday on even numbered months. 11:00am-12:00pm EPT
- Regular attendees mostly have technical backgrounds
- Some organizations represented include:
 - E Source
 - TRC
 - Steven Winters
 - Center for Energy and Environment (MN CEE)
 - US Dept of Energy

WG#4 - What we've done, and what we want to do.

So far:

- Agreed on goal. Lots of good discussions and sharing
- *Early 2025:* Reviewed and provided feedback to several Northeast US program administrators
 - Helping to ensure their materials are appropriately discussing, allowing, and encouraging HP only homes.
- *Mid-to-late 2025:* Developed idea and outline for a resource...

To come:

- Create, publish, and maintain an online resource:
 - Central repository of information, case studies, research, etc.
 - Help address the perception and knowledge barriers
- Continue to be a resource for heat pump programs, advocates, and stakeholders

WG#4 - Data example

“Who’s afraid of a polar vortex?”—TRC & NYSERDA

- **Research objectives:**

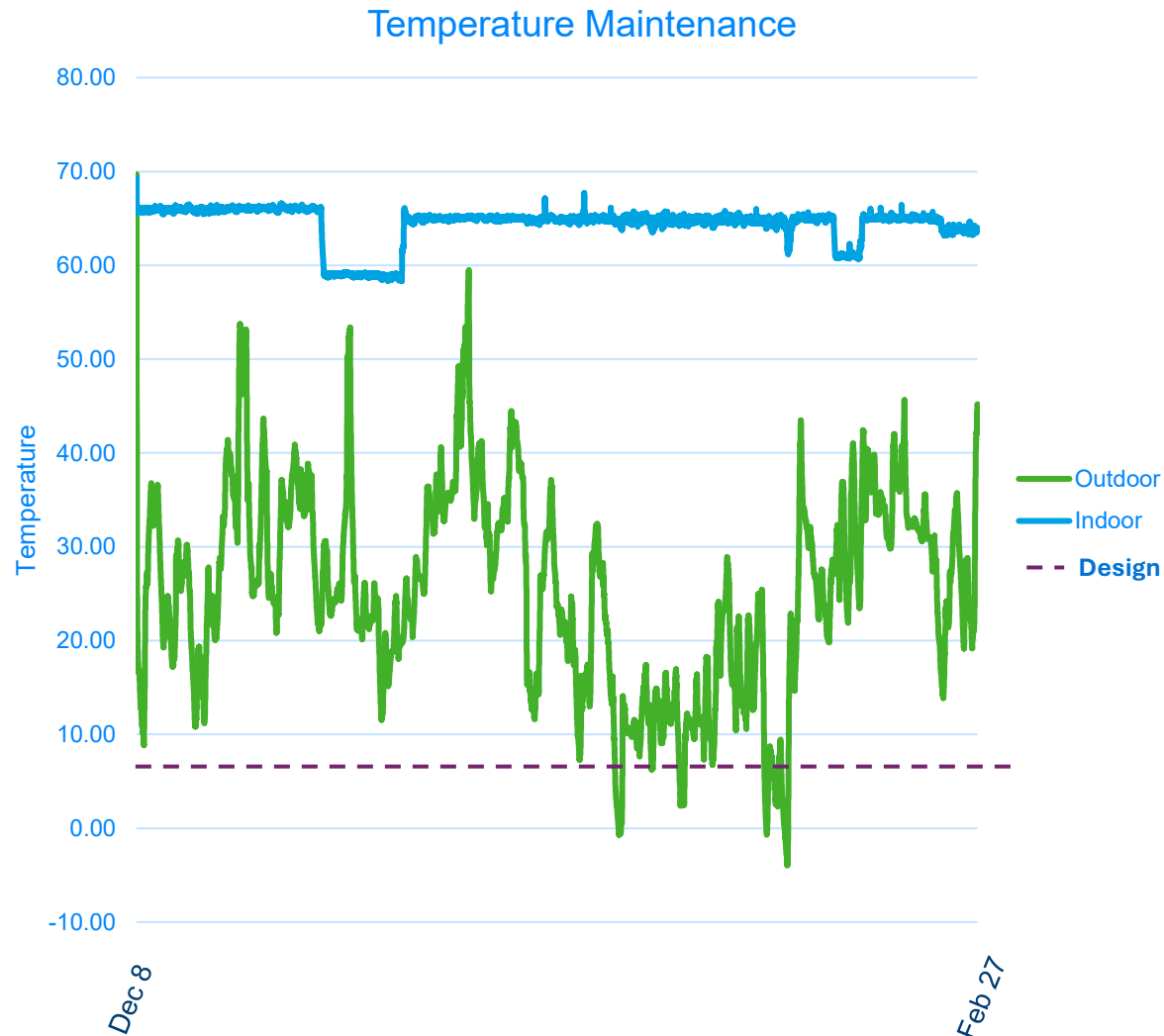
Prove that—during prolonged extreme cold, below design temperatures:

- Heat pumps, properly sized and designed, continue to operate and provide useful heat
- Indoor air-temperatures and comfort are not substantially impacted
- This is true across a variety of home sizes, climactic locations, and envelope qualities
- The full cost of a heat-pump-only approach is comparable or lower than a heat pump with fossil-fuel backup approach – first costs, fuel costs, maintenance/upkeep, meter fees.

Results: Winter ‘25-’26:

Site	Town	Design Temperature	Min Outdoor Temperatures	Average Outdoor Temperature	Indoor Temperature at Min Outdoor Temperature	Average Indoor Temperature
1	Lisbon, NY	-8.0°F	-19.5°F	26.9°F	66.9°F	65.1°F
2	Potsdam, NY	-7.6°F	-19.5°F	22.5°F	68.9°F	76.8°F
3	Katonah, NY	13°F	-0.3°F	31.3°F	68.9°F	68.9°F
4	Ithaca, NY	3.9°F	1.9°F	36.6°F	62.9°F	64.5°F
5	Amherst, NY	6.8°F	-4.0°F	29.1°F	62.2°F	65°F
6	Rochester, NY	5.0°F	-1.0°F	25.7°F	67.3°F	68.7°F
7	Port Ewen, NY	8.0°F	7.7°F	33.2°F	67.5°F	71.7°F
8	Rochester, NY	3.0°F	-3.1°F	22.5°F	66.9°F	67.3°F
9	Bronx, NY	17.3°F	4.1°F	28.1°F	54.4°F	66.5°F

Data example – One Home



- Buffalo suburb
- 1,625 ft²
- 7°F design temp
- 49,253 Btuh design load
- (30 Btuh/ft²)
- Ducted, no electric resistance auxiliary heat



WG#4 – Website plan:

- Primary audience is contractors, but available to anyone
- Streamline process of learning about heat pump only homes

• **Outline:**

1. Intro

- Key concepts, caveats, and fundamentals

2. Success case studies

- Evidence that this can/does work

3. Guidance for:

- Identifying good candidates for HP-only homes
- Steps and practices for success

4. Other & additional resources

• **Other goals:**

- Hosted on reputable, known platform
- Easy to navigate, jump to relevant sections
- Easy to update

WG#4 – What's next?

- Leads assigned for each outline section, begin collecting resources and developing content
- Finalize web hosting arrangement
- Continue engaging with program administrators and other interested groups
- Collect info, ideas, and requests from other AHPC members and working groups (that's you).

WG#4 – Questions, Comments, Suggestions?

Please reach out to a workgroup co-lead:

- **Mike Hedlund:**
mike_hedlund@esource.com
- **Matt Christie:**
mchristie@trccompanies.com

Advanced Heat Pump Coalition Workgroup #10 Program Delivery

Co-Leads of Workgroup

Jackie Albanese, TRC Companies, Inc.
Suzi Asmus, NEEA

WG#10 – Description

Objective and Purpose:

Goal/Purpose: Share information about residential heat pump program approaches, best practices, pilots, and study results, communicate technical topics from other AHPC workgroups, and find areas of collaboration.

Objective: Identify topics of interest for the group and convene several times a year to address identified topics in the form of discussions, presentations, round-tables or other approach.

Timeline & Schedule

Meet 3-4 times per year (Starting Q4, 2024)

Next Meeting: Learn more about AHPC WG #2: Heat Pump Roadmap and Manufacturer Engagement

WG#10 – Update

Topics To-Date:

Installer training – Nov 20, 2024

Program Pilots- June 4, 2025

Pricing/Affordability – Sept 17, 2025

AHPC WG #4 Presentation/Discussion – Heat Pump Only Homes – Jan 28, 2026

Emergency Replacements – April 29, 2026

WG#10 – Update

Sample agenda – including speakers from across the country

Emergency Replacements: approaches to tackling challenges that come with converting Emergency Replacements to heat pumps from other technologies.

Guest speakers:

- **Todd Williams** – 509Energy – Perspectives from the field
- **Zack Zill** – NYSERDA - Research and data collection for emergency no heat, heat pump replacement for both single family and multi family
- **Chris Badger** – VEIC - Barnett Plumbing water heater emergency replacement and loaner program pilot with TECH Clean California program
- **Maggie Pears** – Center for Energy and Environment - Minnesota emergency replacement insights from recent State of the Market report

WG#10 – Update

Meeting Follow-Up with Resource Sharing

Links Shared During the Meeting:

[DOE Google Ads Webinar Registration Link](#) (May 28, see [more information below](#))

[Massachusetts State Heat Pump Pilot Program RFP](#) (proposal deadline May 18)

[CalNEXT DIY Heat Pump Water Heater Installation and Market Study Report](#)

[CalNEXT Emergency Replacement HPWH Market Study Report](#)

[Efficient Technology Accelerator ASHP State of the Market Report](#)

[Midwest Collaborative Heat Pump Pricing Study](#)

Upcoming Events:

NEEP, Webinar: AC Replacement with HP Solutions, May 12, 11am EST

DOE Google Ads Webinar, May 28, 2-3 EST

NEEP Summit, June 2–4 in Baltimore

CEE Summer Program Meeting, June 10-11, Boston

ACEEE Summer Study – August 2-7, Pacific Grove, CA

CEE Industry Partners Meeting, Sept. 16-17, Portland, OR

NEEP Heating Electrification Workshop – October 20-22, Portland, Maine

Closing Details

For More Information

Website

- <https://www.mwalliance.org/advanced-heat-pump-coalition>

Membership Information

- Stephen O'Guin, SOguin@neea.org

Primary Conferences & Events

- [2027 AHRExpo](#) January 25-27 Chicago, IL
- [2027 ACEEE Hot Air Forum](#) March 23-25 Nashville, TN
- Regional Symposia & Forums
 - NEEP
 - MEEA
 - NEEA
 - 2026 Efficiency Exchange – May 4-5 – Boise, ID
 - 2027 Efficiency Exchange – May 18-19, Wenatchee, WA

Want to join a WG?

Send an email one of the co-leads

1	Test Procedure & Ratings	David Lis Mvuala Suami	djlis@NEEP.org mvuala.suami@nrcan-rncan.gc.ca
2	OEM Engagement	Christopher Dymond Lauren Eagan (Morlino)	cdymond@neea.org lauren.eagan@evergreen.energy
4	Heat Pump Only Homes	Matt Christie Mike Hedlund	mchristie@trccompanies.com mike_hedlund@esource.com
5	Connected Commissioning	Justin Margolies Rick Olson-Huddle Parker Wall	jmargolies@slipstreaminc.org rhuddle@resource-innovations.com pwall@trccompanies.com
8	Dual Fuel	Ben Schoenbauer Noe Contreras	bschoenbauer@mncee.org nconteras@neea.org
10	HP Program Managers	Suzi Asmus Jackie Albanese	sasmus@neea.org jalbanese@trccompanies.com

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Thank You!

Special thanks to the Midwest Energy Efficiency Alliance for hosting the AHPC website!