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Codes, Standards and New Construction Quarterly Newsletter

Q2 2024 TEAM UPDATES

What's New

Q2 2024 was notable for final rules for Federal standards with 11 final rules completed in this quarter alone. The completion of the consumer water heater rule constituted the single largest energy-saving Federal standard in the history of the U.S. Department of Energy's (U.S. DOE's) program; it holds the potential for more than 300 aMW of savings in the Northwest alone.

Meanwhile in the Northwest, with recently adopted energy codes in Washington and Oregon and the 2024 IECC code development process completed, the codes processes are gearing up to start again in Washington. The Washington commercial energy code is currently in active development.

Q2 2024 Highlights

Codes

• Washington commercial code development started.

Standards

• Eleven final rules were completed in Q2 2024 including the long-awaited consumer water heater rule.

Funding Opportunities

 NEEA staff supported four proposals for code funding associated with the U.S. DOE Infrastructure Investment and Jobs Act (IIJA) bill. Decisions on these proposals are expected in August or September 2024.

We hope you enjoy reading our quarterly newsletter. Please let us know if you have any questions or ideas on other information that would be helpful for you.

For additional information on state codes and links to training resources, visit NEEA's website:

https://neea.org/our-work/codes-standards/codes

Additional energy code training resources can be found on the BetterBuiltNW (BBNW) website: https://betterbuiltnw.com/training#energy-code

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State	Sector	Code Version	Adopted Date	Effective Date
	COMMERCIAL	2018 IECC	4/2/2020	1/1/2021
IDAHO	RESIDENTIAL	2018 IECC with weakening amendments	4/2/2020	1/1/2021
	COMMERCIAL	2021 IECC	6/6/2022	9/8/2022
MONTANA	RESIDENTIAL	2021 IECC with weakening amendments	6/6/2022	9/8/2022
OREGON	COMMERCIAL	2021 Oregon Energy Efficiency Specialty Code (OEESC) (ASHRAE 90.1-2019)	4/1/2021	10/1/2021
CHECON	RESIDENTIAL	2023 Oregon Residential Specialty Code (ORSC) (custom state-developed code)	10/1/2023	4/1/2024
WASHINGTON	COMMERCIAL	2021 Washington State Energy Code (WSEC) (2021 IECC with strengthening amendments)	11/28/2023	3/15/2024
	RESIDENTIAL	2021 WSEC (2021 IECC with strengthening amendments)	11/28/2023	3/15/2024



Market Progress Evaluation Report #5

NEEA contracted with ADM Associates to conduct a Market Progress Evaluation Report (MPER) for its commercial and residential codes efforts. Using information gleaned through document review, interviews with NEEA staff, market actors, and implementers/ trainers for NEEA-supported trainings, and a survey with recent trainees, ADM concluded that:

- NEEA is successfully influencing more robust energy codes in the Northwest and nationally.
- While NEEA's training and education efforts are effectively supporting market actors, there is opportunity to improve efforts to track the use and outcomes of these activities.
- NEEA's recently revised Codes program logic model accurately captures the team's training and education work; however, the logic model should be updated to better reflect the nuances of the team's work to influence the development and adoption of energy codes in the Northwest. A final report is available on neea.org.

Market Progress Evaluation Report #6

NEEA is currently preparing to release a Request for Proposals in support of the sixth MPER for its commercial and residential codes efforts. This study is intended to build on and complement the learnings generated through the recently completed Codes MPER #5 conducted by ADM Associates and will include ongoing assessment of NEEA's progress in the Northwest codes market relative to recently established Progress Indicators (PIs). Additional study objectives will be determined, and a Request for Proposals will be released in Q3 2024. The study kickoff is currently targeted for early Q3 2024.



International Energy Conservation Code (IECC)

In Q2 2024, International Code Council (ICC) implemented its Board's decision to make significant changes to the 2024 IECC following the appeals process in Q1 2024. The changes removed provisions that would have promoted electrification and streamlined future installation of features like rooftop solar, electric vehicles, demand response and energy storage. Official redline versions of the 2024 IECC were made available in June 2024, and the final 2024 IECC is expected to be published in July 2024. Looking ahead to the 2027 IECC development process, the ICC Board also directed steps be taken to clarify the scope and intent of the IECC and to improve the transparency and efficiency of the code development process.

NEEA's influence in this process reaches beyond the code change proposals the alliance submitted earlier in the development process; NEEA staff are voting members of the main Commercial code committee as well as the Residential and Commercial HVAC and Refrigeration (HVACR) and Water Heating subcommittees.



Commercial Code

General Updates

After the State Building Code Council (SBCC) began the process of developing the 2024 Washington State Energy Code—Commercial (WSEC-C) in Q1 2024 by rebuilding the Commercial Energy technical advisory group (TAG), this new code saw limited progress in Q2 2024. A schedule change approved by the SBCC in June directed that new WSEC-C proposals will likely be due in September 2024 (a one-month delay from the previous schedule). Meanwhile, several editorial revisions have been made to the 2021 WSEC-C since it went into effect in March 2024, with other more substantive proposed changes in process.

Education and Training

NEEA provides training and technical assistance on the current WSEC-C provisions. Training attendees and recipients of technical support include design and construction professionals, building officials, plan examiners, home builders, contractors, field inspectors and fire marshals.

Educational resources and trainings about the current 2018 WSEC-C and the upcoming 2021 WSEC-C are available for on-demand viewing on NEEA's commercial WSEC website.

The WSEC-C trainings delivered and offered in Q2 2024 are listed in the table below.

Training Topic	Course Length	Attendees	Location	Date
Washington Commercial Energy Code Overview - Airefco	8 hours	67	Vancouver, WA	6/6/2024



Commercial Code (Continued)

CODES UPDATES

Code Compliance Webtool

The 2021 WSEC-C edition of the code compliance webtool was launched March 19, 2024. This edition includes the mechanical console and output report. The 2021 WSEC-C envelope and lighting consoles were launched in Q4 2023.

As of Q2 2024, the WSEC-C code compliance webtool had over 10,700 registered users and more than 18,500 non-test projects submitted through the tool.



Residential Code

General Updates

In Q2 2024, WA SBCC approved several editorial revisions for the 2021 Washington State Energy Code—Residential (WSEC-R). As with the WSEC-C, more significant code changes or interpretations have been requested since the code went into effect in March 2024. Looking ahead to the 2024 WSEC-R, the SBCC also revised the structure of its Residential Energy TAG. SBCC is expected to solicit members to fill out this revised roster in the coming months and accept code change proposals for 2024 WSEC-R in early 2025.

Education and Training

NEEA provides training and technical assistance on the current WSEC-R provisions. Training attendees and recipients of technical support include design and construction professionals, building officials, plan examiners, home builders, contractors, field inspectors and fire marshals.

The WSEC-R on-demand trainings, training webinar schedule and additional resources can be found on the Washington State University Energy Program and BetterBuiltNW websites.



Education and Training (Continued)

The WSEC-R live trainings delivered in Q2 2024, and available on-demand trainings, are listed in the table below.

Training Topic	Course Length	Attendees	Location	Date
WA Mechanical Code - Distributor Training	1.5 hours	30	Seattle, WA	4/9/2024
Energy Code 2021	2 hours	168	Webinar	4/10/2024
BuildRight Conference: WSEC-R Overview	1 hour	76	Portland, OR	4/18/2024
BuildRight Conference: Continuous Insulation	1 hour	40	Portland, OR	4/18/2024
Energy Code Training for Tri-Cities HBA	8 hours	39	Tri-Cities, WA	4/22/2024
Energy Code Training	8 hours	34	Walla Walla, WA	4/23/2024
Ventilation & WSEC-R 2021	2.5 hours	178	Webinar	4/24/2024
Envelope/Air Sealing Class	1.5 hours	160	Seattle, WA	4/29/2024
Energy Code 2021	2 hours	40	Webinar	5/17/2024
Energy Code 2021	2 hours	24	Webinar	6/12/2024
Energy Code Training for Code Officials	8 hours	70	Centralia, WA	6/13/2024
Energy Code Training for Builders Alliance	2 hours	61	Bellingham, WA	6/14/2024
2018 WSEC-R: Summary of the 2018 WA State Residential Energy Code	10 mins	301*	On Demand	Various
2018 WSEC-R: Residential Energy Code Compliance	2 hours	13*	On Demand	Various
2018 WSEC-R: Build Tight & Ventilate Right Options (short version)	1 hour	51*	On Demand	Various
2018 WSEC-R: Balanced Ventilation with ERVs & HRVs (short version)	1 hour	36*	On Demand	Various
2018 WSEC-R: Efficient Building Envelope Options	1 hour	30*	On Demand	Various
2018 WSEC-R: Heating & Air Conditioning System Inside Options	14 mins	56*	On Demand	Various
Using the C3 Calculator to Calculate Ventilation Rates	10 mins	165*	On Demand	Various
Filling out the Compliance Certificate for Ventilation Systems	10 mins	111*	On Demand	Various
2021 WSEC-R: Cost Effective HVAC Strategies to Meet New WSEC-R (Mitsubishi)	1.5 hours	244*	On Demand	Various
2021 WSEC-R: Market Trends, Builder Choices, and Resources	1.5 hours	74*	On Demand	Various

^{*}On-Demand training attendance numbers are cumulative starting from January 1, 2024.



Commercial Code

General Updates

Q2 2024 saw continued delays in the 2024 Oregon Energy Efficiency Specialty Code (OEESC) adoption process. A first draft of the 2024 OEESC, which is based on the model standard ASHRAE 90.1 2022, was reviewed and approved in October 2023, but rulemaking steps were stalled until April 2024 because the COMcheck software version for ASHRAE 90.1-2022 was not yet available. However, software bugs in this new COMcheck version have further delayed the target adoption date to October 1, 2024 (nine months later than originally planned). Thus, the 2024 OEESC is now expected to go into effect six months later on April 1, 2025. While ASHRAE 90.1-2022 is expected to deliver an approximate 10% increase in energy efficiency from the current code (2021 OEESC), the 2024 OEESC final draft includes weakening amendments.

Residential Code

General Updates

The 2023 Oregon Residential Specialty Code (ORSC) went into full effect on April 1, 2024. A University of Oregon analysis found it to be about 12.5% more efficient than the 2021 ORSC. Compared to the model 2021 IECC, the Oregon Building Codes Division (BCD) reported the 2023 ORSC is at least as efficient. Previous U.S. DOE analysis found it to be 5.7% less efficient than 2021 IECC, but a forthcoming revised analysis that better captures unique elements of this custom state-developed code is expected to better align with the state's findings.

BCD also finished the process of updating the Oregon Residential Reach Code (ORRC). After BCD posted a final draft of the 2023 ORRC in Q1 2024, it was approved and went into effect (as a wholly voluntary standard) on July 1, 2024.



Residential Code (Continued)

Education and Training

NEEA partners with organizations across the state to provide technical assistance and training on the current and upcoming Oregon residential and commercial energy codes. Training attendees include design and construction professionals, building officials, plan examiners, home builders, contractors, field inspectors and fire marshals.

Training Topic	Course Length	Attendees	Location	Date
Oregon Commercial Energy Code Overview and Best Practices - OBOA Institute	8 hours	25	Lebanon, OR	4/17/2024

Field Study and Evaluation

Oregon Residential Code Compliance Evaluation

NEEA kicked off the Oregon Residential Code Compliance Evaluation in February 2024. Through this study, NEEA will gather market data about homes built under the 2021 Oregon Residential Specialty Code (ORSC) to meet the following objectives:

- Calculate code compliance among single-family buildings constructed under the 2021 ORSC.
- Investigate whether and how new construction homes use natural gas for space and water heating as well as other end uses, including stoves and hearths, and the prevalence of gas hookups in homes with all-electric appliances.
- Document the proportion of new construction homes built with above-code elements.
- Provide an analysis of builders' choices and rationale regarding the efficiency level to which homes are built (base code, reach code, ENERGY STAR® Homes) and selection and implementation of the 2021 ORSC-required Additional Measure.

The report is expected to be publicly available in Q4 2024.



CODES UPDATES

General Updates

After the Idaho Energy Code Collaborative presented IECC 2021 and IECC 2024 to the Idaho Building Code Board, the Building Code Board voted unanimously to consider IECC 2024 rather than IECC 2021 at its <u>June 18, 2024 meeting</u>. The Board expressed desire to update all codes to the most recent versions available and will continue its review of IECC 2024 and explore which amendments to consider.

Education and Training

NEEA provides training and technical assistance on the current Idaho energy code. Training attendees and recipients of technical support include design and construction professionals, building officials, plan examiners, home builders, contractors, field inspectors and fire marshals.

More information about the Idaho building energy code, trainings and resources can be found at the Idaho Energy Code website.

The Idaho energy code trainings delivered in Q2 2024 are listed in the table below.

Training Topic	Course Length	Attendees	Location	Date
Air Balance Certification Training	8 hours	8	Webinar	6/12/2024
Duct and Envelope Tightness Testing Certification	16 hours	7	Boise, ID	6/18-19/24
Energy Code Training - IDABO Snake River Chapter	1 hour	8	Idaho Falls, ID	6/20/2024
Residential Energy Code and Ventilation	4 hours	22	Driggs, ID	6/21/2024



CODES UPDATES

Field Study and Evaluation

Idaho Commercial Code Evaluation

The Idaho Commercial New Construction Code evaluation study will assess the path(s) by which, and the degree to which, code compliance is achieved with the amended 2018 IECC in newly constructed buildings, while also measuring building energy performance compared with the average energy performance of buildings constructed under previous code. The results of the study will provide direction to the development and implementation efforts of the NEEA Codes team and will provide other regional code stakeholders guidance in targeting their energy efficiency work in the commercial new construction sector. NEEA has selected Opinion Dynamics to conduct this study; a kickoff meeting was held in August 2023 and a sampling plan was prepared in December 2023, with sample development currently underway. Data collection, including desk review of permit data and in person/virtual site visits, began in Q2 2024 and is scheduled to conclude in Q4 2024. This study includes analysis of billing data; collection of this data is planned to continue through early Q4 2024, with analysis and report preparation to follow.



Field Study and Evaluation (Continued)

Idaho Residential Code Compliance Evaluation

NEEA reviewed assumptions underlying its estimation of energy savings resulting from NEEA's and its partners' involvement in the Idaho state code processes. Using data collected through permit review, site visits to residential new construction building sites, and interviews with market actors, this research addressed the following objectives:

- Assessed statewide compliance with selected code requirements among single-family homes built under IECC 2018 with Idaho amendments.
- Developed estimates of statewide energy code compliance and compliance within urban and rural jurisdictions separately using data collected on individual code requirements.
- Provided statewide findings regarding primary space and water heating fuel and above-code elements using data collected on individual code requirements.

Energy modeling analysis indicated that 97.8% of homes built under IECC 2018 with Idaho amendments comply with the code and that external wall insulation has the lowest rate of compliance and the highest potential for energy savings if non-compliant homes were brought to code-minimum levels. The study also found that a large majority of homes built under IECC 2018 with Idaho amendments have gas primary space and water heating.

The <u>report</u> is available on neea.org.



General Updates

In Q2 2024, the Montana Building Code Council voted to approve proposed amendments to the state's current energy code. These significant further amendments to the 2021 IECC include, among other changes, removal of the requirements for secondary side lit zones, automatic receptacle control, energy monitoring in the commercial energy code, and reduction in stringency in one of the prescriptive wall insulation options in the residential energy code.

The National Center for Appropriate Technology (NCAT) hosted the Montana Homes Collaborative (MHC) Building Science Workshop for builders, code officials and home designers in Butte, MT on June 26, 2024. Most of the presenters were members of the MHC. Topics ranged from retrofitting homes for greater energy efficiency to ventilation requirements for residential buildings in cold climates.

NCAT also published on the MHC website a resource entitled "Montana Roadmap to Home Energy Efficiency and Affordability," which contains 10 recommendations on foundation types, wall assemblies and building envelope, and ventilation among others.

Education and Training

Montana energy code training providers developed and posted a virtual course for building and duct tightness training and are continuing outreach efforts to encourage participation. The training can be found on NCAT's website under the Residential Energy Services section.

Additional energy code resources can be found on the MT DEQ's Energy Program website.

The Montana energy code trainings delivered in Q2 2024 are listed in the table below.

Training Topic	Course Length	Attendees	Location	Date
Energy Efficient Home Site Visit	4 hours	25	Bozeman, MT	5/2/2024
Best Practices in New Home Construction	4 hours	25	Bozeman, MT	5/3/2024
Building Science Workshop	8 hours	20	Butte, MT	6/26/2024



Field Study and Evaluation

Montana Commercial Code Evaluation

The Montana Commercial New Construction evaluation field study focuses on assessing how and the extent to which code compliance is achieved with the 2018 IECC in newly constructed buildings in Montana. The study will include measurements of energy performance of these buildings as compared with the average energy performance of buildings constructed under previous code. The sampling frame will encompass all commercial buildings constructed in Montana under its version of the 2018 IECC, which was in effect from February 13, 2021 through June 5, 2022. NEEA's ultimate objective is to obtain results that will inform the development and implementation efforts of its Codes team, as well as to provide guidance for other regional stakeholders so that they can better target their energy efficiency work in the commercial new construction sector.

The contractor conducted a kickoff meeting in Q2 2022, and data collection is underway, focusing on review of permit data paired with visits to a subset of sites for data validation. Permit and on-site data collection and analysis are scheduled to run through Q2 2024. Billing data collection was attempted for this study but has been excluded from ongoing project activities due to a prohibitively low response rate from eligible building contacts. A final report outlining the result of compliance analysis and comparative site visits is anticipated to be publicly available in late Q3/early Q4 2024.



Field Study and Evaluation (Continued)

Montana Residential Code Compliance Evaluation

NEEA is reviewing its assumptions underlying its estimation of energy savings resulting from NEEA's and its partners' involvement in the Montana state code processes. Using data collected through site visits to residential new construction building sites and interviews with market actors, this research will address the following objectives:

- Assess statewide compliance with selected code requirements among single-family homes built under IECC 2018 with Montana amendments and IECC 2021 with Montana amendments.
- Develop estimates of statewide energy code compliance and compliance within urban and rural jurisdictions separately using data collected on individual code requirements.
- Provide statewide findings regarding primary space and water heating fuel and above-code elements using data collected on individual code requirements.

This work kicked off in Q1 2023 and paused in Q3 2023 due to permit data collection challenges. The project re-launched in early 2024 with a focus on on-site data collection. The final report is expected in Q4 2024.



STANDARD UPDATES

General Updates

In Q2 2024, the U.S. DOE issued Requests for Information (RFI) and Notices of Proposed Rulemaking (NOPR) for six appliance and equipment standards.

NEEA staff collected data and conducted analyses for four appliance products to submit comment letters, or signed on to letters prepared by others, to the U.S. DOE in Q2 2024. Comments included regional sales data, lab testing results, field validation data and other technical data to support recommendations for enhanced test procedures and improved efficiency levels.

During Q2 2024, NEEA commented for the first time on a Federal Trade Commission (FTC) rulemaking—an EnergyGuide Labeling NOPR. While this rulemaking does not involve direct energy savings from increased minimum efficiency standards like a typical DOE rulemaking, NEEA commented on the importance of creating an EnergyGuide Label for clothes dryers to improve consumer access to information on their energy use and cost, and discouraged FTC from creating separate categories for vented and ventless dryers. NEEA's Retail Product Portfolio (RPP) data revealed several new, popular heat pump dryers on the market including combination washer-dryers. Distinguishing the improved efficiency of these compared to other models will be possible with a clothes dryers EnergyGuide Label.

Below is a list of products for which NEEA submitted comment letters in Q2 2024:

Residential Products

- Clothes Washers and Dryers
- Room Air Conditioners
- Central Air Conditioners and Heat Pumps

Commercial/Industrial Products

· Walk-in Coolers and Freezers

STANDARD UPDATES

Evaluation

Battery Chargers Standard Evaluation

NEEA contracted with Michaels Energy to conduct a qualitative assessment of NEEA's influence on the standards process for battery chargers and to provide a quantitative estimate of the share of savings resulting from NEEA's and other efficiency organizations' efforts. The project kicked off in October 2023; Michaels Energy will review NEEA records and publicly available documents and conduct interviews with key stakeholders from NEEA, U.S. DOE and other organizations. A final report is anticipated in Q4 2024.

Non-Weatherized Gas Furnaces/Mobile Home Furnaces Standard Evaluation

NEEA contracted with Michaels Energy to conduct a qualitative assessment of NEEA's influence on the standards process for Non-Weatherized Gas Furnaces/Mobile Home Furnaces and to provide a quantitative estimate of the share of savings resulting from NEEA's and other efficiency organizations' efforts. Michaels Energy reviewed NEEA records and publicly available documents and conducted interviews with key stakeholders from NEEA, U.S. DOE and other organizations. Michaels Energy reported that collaboration among NEEA and its partners was effective at ensuring consensus and alignment among organizations that supported the proposed standard and that comments made by NEEA were influential on the Final Rule. Michaels Energy estimated that NEEA and its partners influenced 18.6% of the total energy savings for the federal standard.

The <u>evaluation report</u> is available on neea.org.

General Updates

The CSA Group met in Q2 2024 to review progress on existing projects. NEEA staff are coordinating on several of these projects that are relevant to the Northwest.

RESIDENTIAL **NEW CONSTRUCTION**

Innovation > Action

General Updates

Residential New Construction market activities focus on removing barriers to the adoption of above-code efficiency measures in new construction and collecting market evidence that supports future code advancement. To accelerate market adoption, these market activities influence builders and key trades to adopt above-code technologies and best practices. The interventions focus on both gas and electric technologies and residential building measures.

Highlights of Q2 2024 include:

- Launched 45L Tax Credit Resource Hub, with information on meeting the tax credit for Northwest builders and raters.
- Published and released a new resource for Washington residential builders entitled the "2021 WSEC-R Energy Code Cookbook" which helps simplify compliance with the 2021 residential code by offering "recipes" according to home size and heating systems.
- The BBNW training team delivered six (6) sessions at the **BuildRight Conference**, held in Portland, OR in April 2024 with attendance as high as 85 attendees for some sessions.

Education and Training

The BBNW website offers several on-demand trainings and resources for builders on above-code building practices, including *Top 10* Best Practices for Today's Homebuilder and topic-specific trainings about envelope and HVAC measures. These on-demand trainings can be found on the **BBNW** Training website.

NEW CONSTRUCTION UPDATES

Education and Training (Continued)

Residential new construction above-code trainings delivered in Q2 2024 are listed in the table below.

Training Topic	Course Length	Attendees	Location	Date
Top 10 Best Practices for Today's Homebuilder	3 hours	132*	On-demand	Various
Building with Ducts Inside Conditioned Spaces	3 hours	126*	On-demand	Various
Sustainable Homes Professional (SHP)	15-20 hours	39*	On-demand	Various
How to Cost Effectively Build Zero Energy Homes	3 hours	40*	On-demand	Various
On The Level: Exterior Air Barrier Details in the NW	1 hour	17*	On-demand	Various
On The Level: Balanced Ventilation Approaches for Healthy Indoor Air	1 hour	92*	On-demand	Various
On The Level: Installation Elements for ERVs & HRVs	1 hour	80*	On-demand	Various
On The Level: Using Building Science to Inform Envelope Design	1 hour	85*	On-demand	Various
On The Level: Practical Solutions for Selecting & Installing Exterior Insulation	1 hour	26*	On-demand	Various
On The Level: Design and Quality Control Best Practices for ERVs/HRVs	1 hour	79*	On-demand	Various
Zero Energy Homes: Updates & Cost-Effective Approaches	1 hour	125*	On-demand	Various
Simple Steps to Improve Ductwork Installations	1 hour	25*	On-demand	Various
45L: What You Need to Know	1 hour	139*	On-demand	Various
Heat Pumps: Mastering Design Principles	1 hour	10*	On-demand	Various
Heat Pumps: The Ultimate Installation Guide	1 hour	10*	On-demand	Various
Heat Pumps: The Art of Commissioning	1 hour	16*	On-demand	Various
BuildRight Conference: Air Sealing Lowest Cost Highest Value	1 hour	75	Portland, OR	4/18/2024
BuildRight Conference: Variable Capacity Heat Pumps-Cold Climate Heat Pumps	1 hour	40	Portland, OR	4/18/2024
BuildRight Conference: Creating Customer Satisfaction and Energy Savings with Heat Pump Water Heaters	1 hour	50	Portland, OR	4/18/2024
BuildRight Conference: Duct Design and Register Selection	1 hour	75	Portland, OR	4/19/2024
BuildRight Conference: HVAC Horizon: Integrating Perspectives for A Sustainable Future	1 hour	80	Portland, OR	4/19/2024
BuildRight Conference: Practical ERV & HRV Applications for Contractors	1 hour	85	Portland, OR	4/18/2024

^{*}On-Demand training attendance numbers are cumulative starting from January 1, 2024.

Program Updates

In 2023, NEEA discontinued direct market engagement in the manufactured homes market in the Northwest. NEEA staff are finishing several projects to wrap up this program and to prepare it for long-term monitoring and tracking (LTMT). These projects are operating under the updated U.S. DOE standard and ENERGY STAR specification. The U.S. DOE moved the effective date two years, to 2025, in response to manufacturers' concerns about enforcement. ENERGY STAR also changed its effective date for version 3.0, which is now set for January 2026. These delays will slow changes in the Northwest. Since the Northwest Energy-Efficient Manufactured Housing Program™ (NEEM program) is sustainable on its own, NEEA staff are continuing with the plan to move the Manufactured Homes program to LTMT in 2024. The final Market Progress Evaluation Report was completed in Q1 2024 and is available on neea.org.

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Together We Are Transforming the Northwest





























