

# 2023 Q3

## Codes, Standards and New Construction Quarterly Newsletter

### WHAT'S NEW:

NEEA's codes, standards and new construction team kept up a busy pace all summer with impactful activities in water heating standards and Washington state's energy code. A few highlights follow.

#### Codes

- Washington completed a separate public process for implementing code changes that would prevent conflicts with federal standards. This effort was conducted due to concerns from the State Building Code Council that Washington's newly completed Code might violate federal preemption for gas appliances, similar to the Ninth Circuit Court's ruling on federal preemption in Berkeley, California's natural gas ban. The review process will continue into Q4 2023, and the State Building Code Council announced a new effective date for March 2024. The codes updates will provide greater choice for natural gas appliances, but will require more efficiency points for gas heated homes to offset emissions.

#### Standards

- The U.S. Department of Energy (U.S. DOE) published a Notice of Proposed Rulemaking for the consumer water heater standard incorporating many of the recommendations of NEEA's joint stakeholder group that included major manufacturers Rheem and Bradford White. NEEA staff submitted comments along with the joint stakeholders affirming the U.S. DOE's changes. The savings from this standard are expected to be the largest in the history of federal standards.

#### Funding Opportunities

- The U.S. DOE released the first funding opportunity announcement (FOA) for code support included in the Inflation Reduction Act. \$400M is being allocated within the 50 states and six federal territories. In the Northwest, if states pursue the 2021 International Energy Conservation Code (IECC) — and over the next four years, a net zero code path — the U.S. DOE will fund code support up to \$5.8M for Idaho, \$3.7M for Montana, \$4.5M for Oregon, and \$5.5M for Washington. NEEA staff are available to help state energy organizations take advantage of this opportunity.

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.

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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://betterbuiltinw.com/training#energy-code>



**Questions about this newsletter may be addressed to:**

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State	Sector	Code Version	Adopted Date	Effective Date
IDAHO	COMMERCIAL	IECC 2018	4/2/2020	1/1/2021
	RESIDENTIAL	IECC 2018 with amendments	4/2/2020	1/1/2021
MONTANA	COMMERCIAL	IECC 2021	6/6/2022	9/8/2022
	RESIDENTIAL	IECC 2021 with 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
	RESIDENTIAL	2021 Oregon Residential Specialty Code (ORSC) (IECC 2018 with amendments)	4/1/2021	10/1/2021
WASHINGTON	COMMERCIAL	2018 Washington State Energy Code — Commercial (WSEC-C) (IECC 2018 with amendments)	7/26/2019	2/1/2021
	RESIDENTIAL	2018 WSEC-R (IECC 2018 with amendments)	11/9/2019	2/1/2021



### International Energy Conservation Code (IECC)

The 2024 IECC development process began to wrap up in Q3 2023. After finishing the second round of this process in Q2 2023, the [Residential](#) and [Commercial](#) IECC committees (and their subcommittees) received the third and final round of code change proposals in July 2023 and finished their review of these proposals in September 2023. The [Residential](#) and [Commercial](#) Committee Action Reports of these proposed changes to the [Residential](#) and [Commercial](#) 2024 IECC Public Draft #2 will be voted on for finalization in October 2023 by the committees. Barring any appeals, this will conclude the 2024 IECC development process, and the code is expected to be published sometime in 2024.

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 Washington State Building Code Council (SBCC) reopened the code development process in Q2 2023 to address legal uncertainty stemming from a decision issued earlier this year by the Ninth Circuit Court of Appeals, the 2021 Washington State Energy Code–Commercial (WSEC-C) revision process quickly progressed in Q3 2023. The Commercial Energy Code Technical Advisory Group (TAG) met three more times in Q3 2023 to finish reviewing and voting on the code change proposals submitted for this revision process. [The proposals advanced by the Energy TAG](#) maintain essentially the same level of efficiency as the [previously approved 2021 WSEC-C version](#) by eliminating the heat pump requirements while increasing the number of required credits from the additional efficiency measures section by a corresponding amount depending on heating fuel. The basis of the credit values was also recalibrated from an emissions basis to a site energy basis ([see the draft 2021 WSEC-C revisions](#)). The Mechanical, Ventilation and Energy (MVE) Committee approved the TAG's recommendations with minor adjustments at its [September 8, 2023, meeting](#). The SBCC voted to approve these recommendations and set March 15, 2024 as the new effective date for 2021 WSEC at its [September 15, 2023, meeting](#). Over the next few months, a final draft will be developed and posted, a public comment period will be held, and the SBCC will vote to finalize adoption of the revised 2021 WSEC.



### *Commercial Code (Continued)*

#### **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 2012 WSEC-C are available for on-demand viewing on NEEA's commercial [WSEC website](#).

The WSEC-C trainings delivered and offered in Q3 2023 are listed in the table below.

Training Topic	Course Length	Attendees	Location	Date
2021 WSEC-C Mechanical Systems, Part 2	1.5 hours	149	Webinar	7/13/2023
2021 WSEC-C Envelope & Air Barrier Provisions	1.5 hours	149	Webinar	8/31/2023



### ***Commercial Code (Continued)***

#### **Code Compliance Webtool**

As of Q3 2023, [the WSEC-C code compliance webtool](#) had more than 9,500 registered users and more than 14,500 non-test projects submitted through the tool.

The webtool project contractor continues to develop program updates and enhancements to support a new 2021 WSEC-C edition. Features will be made available for public use via a rolling launch where content unaffected by the recent SBCC activities will be launched in Q4 2023. This includes the envelope and lighting compliance tools and the additional energy efficiency and load management measures accounting tool designed to help users navigate these expanded requirements in the 2021 WSEC-C. The remaining features will be updated and launched after the SBCC has published its 2021 WSEC-C revisions.



### *Residential Code*

#### **General Updates**

After the Washington State Building Code Council (SBCC) reopened the code development process in Q2 2023 to address legal uncertainty stemming from a decision issued earlier this year by the Ninth Circuit Court of Appeals, the 2021 Washington State Energy Code – Residential (WSEC-R) revision process quickly progressed in Q3 2023. The Residential Energy Code TAG met one more time in Q3 2023 to finish reviewing and voting on the code change proposals submitted for this revision process. The [proposals advanced by the Energy TAG](#) maintain essentially the same level of efficiency as the [previously approved 2021 WSEC-R version](#) by eliminating the heat pump requirements while increasing the number of required credits from the additional efficiency measures section by a corresponding amount ([see the draft 2021 WSEC-R revisions](#)). The MVE Committee approved the TAG's recommendations with minor adjustments at its [September 8, 2023, meeting](#). The SBCC voted to approve these recommendations and set March 15, 2024 as the new effective date for 2021 WSEC at its [September 15, 2023, meeting](#). Over the next few months, a final draft will be developed and posted, a public comment period will be held, and the SBCC will vote to finalize the adoption of the revised 2021 WSEC.



### Residential Code (Continued)

#### 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's](#) website and [BetterBuiltNW](#).

WSEC-R live trainings have been temporarily put on hold due to the delay of the code. On-demand trainings continue to be available and are listed in the table below.

Training Topic	Course Length	Attendees	Location	Date
BuiltGreen Conference: Exterior Insulation + WSEC-R Cookbook	1 hour	40	Lynnwood, WA	9/14/2023
2018 WSEC-R: Summary of the 2018 WA State Residential Energy Code	10 mins	529*	On Demand	Various
2018 WSEC-R: Residential Energy Code Compliance	2 hours	45*	On Demand	Various
2018 WSEC-R: Build Tight & Ventilate Right Options (short version)	1 hour	88*	On Demand	Various
2018 WSEC-R: Balanced Ventilation with HRVs & ERVs	1.5 hours	11*	On Demand	Various
2018 WSEC-R: Balanced Ventilation with ERVs & HRVs (short version)	1 hour	32*	On Demand	Various
2018 WSEC-R: Efficient Building Envelope Options	1 hour	62*	On Demand	Various
2018 WSEC-R: Heating & Air Conditioning System Inside Options	14 mins	118*	On Demand	Various
Using the C3 Calculator to Calculate Ventilation Rates	10 mins	132*	On Demand	Various
Filling out the Compliance Certificate for Ventilation Systems	10 mins	128*	On Demand	Various

\*On-Demand training attendance numbers are cumulative starting from January 1, 2023.





### *Commercial Code*

#### **General Updates**

In Q3 2023, the Oregon Building Code Division (BCD) continued the 2024 Oregon Energy Efficiency Specialty Code (OEESC) update process. BCD is currently reviewing the changes made in ASHRAE 90.1 2022, drafting limited amendments, and accepting stakeholder code change proposals in developing the 2024 OEESC. A first draft of the 2024 OEESC was reviewed at the October 17, 2023, Construction Industry Energy Board meeting, and a public hearing is expected to be held on November 14, 2023. [The target code adoption date is January 1, 2024.](#)

### *Residential Code*

#### **General Updates**

The 2023 Oregon Residential Specialty Code (ORSC) adoption process continued in Q3 2023. [A public hearing on 2023 ORSC](#) was held on July 18, 2023, and a public comment period concluded July 28, 2023. None of this has led to any changes to the [2023 ORSC final draft](#) approved by the Residential and Manufactured Structures Board (RMSB) in Q1 2023. [The 2023 ORSC was adopted on October 1, 2023](#), and will go into full effect on April 1, 2024, as planned.

BCD has also begun the process of updating the Oregon Residential Reach Code (ORRC). At a September 5, 2023 [Rulemaking advisory committee meeting](#), rules formalizing the process for development and adoption of the Oregon Residential Reach Code were approved. The impact of this new process was first seen at the October 4, 2023, RMSB meeting when the 2023 ORRC development process began in earnest. BCD began [soliciting public proposals](#) on October 20, 2023, and will accept proposals until December 18.



### *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.

No Oregon energy code live trainings were delivered in Q3 2023.

#### **Field Study and Evaluation**

##### *Oregon Residential Code Compliance Evaluation*

NEEA is soliciting bids for a contractor to gather market data about homes built under the 2021 Oregon Residential Specialty Code (ORSC). This research has 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 home is built (base code, reach code, ENERGY STAR® Homes) and selection and implementation of the 2021 ORSC-required Additional Measure.

This project is expected to kick off in Q4 2023, and the report is expected to be publicly available in Q4 2024.



### General Updates

On August 1, 2023, Idaho Division of Occupational and Professional Licenses (DOPL) provided the Building Code Board an overview of the updated IDAPA 24.39.30 proposed draft document, which was voted into “proposed” status by the Board. This unanimous vote concluded months of efforts by energy efficiency advocates to moderate the cuts to the Idaho state energy code. DOPL will now host two mandatory public hearings (the first was September 7, 2023, and the second will be November 7, 2023) to hear public input before submitting to legislature the Board’s recommendation to approve the proposed edits to the energy code.

NEEA also worked with the University of Idaho Integrated Design Lab (IDL) to conduct further energy modeling of R-38 vs R-49 ceiling insulation in Idaho homes to determine the optimal balance of energy performance and cost effectiveness.

### 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 Q3 2023 are listed in the table below.

Training Topic	Course Length	Attendees	Location	Date
BSPSI Education Week - 2018 Commercial IECC	4 hours	14	Meridian, ID	9/20/2023
BSPSI Education Week - Energy Code Updates	8 hours	11	Meridian, ID	9/20/2023
Air Sealing	8 hours	4	Twin Falls, ID	9/18/2023



### Field Study and Evaluation

#### *Idaho 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 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 will address the following objectives:

- 1) Assess statewide compliance with selected code requirements among single-family homes built under IECC 2018 with Idaho amendments.
- 2) Develop estimates of statewide energy code compliance and compliance within urban and rural jurisdictions separately using data collected on individual code requirements.
- 3) 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 Idaho's residential energy code evaluation is expected in Q2 2024.

#### *Idaho Commercial Code Evaluation*

The Idaho Commercial New Construction Code (CNCC) 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 sample development is currently underway. Data collection is scheduled to commence in Q4 2023 and continue into Q3 2024, with analysis and reporting to follow.



### General Updates

After a brief pause over summer 2023, the Montana Homes Collaborative reconvened for a September 2023 meeting. The meeting focused on how to get more people in Montana certified as energy raters so builders can take advantage of the 45L New Energy Efficient Home tax credits. In a state as large as Montana, more raters are needed to inspect and certify ENERGY STAR homes (tax credits are \$2,500 for single-family, \$2,500 for manufactured homes, and \$500 for multifamily) and U.S. DOE's Zero Energy Ready Homes (tax credits are \$5,000 for single-family, \$5,000 for manufactured homes, and \$1,000 for multifamily).

### 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 [Montana Department of Environmental Quality's Energy Program website](#).

The Montana energy code trainings delivered in Q3 2023 are listed in the table below.

Training Topic	Length of Course	Attendees	Location	Date
Blower Door Training – Habitat for Humanity	4 hours	2	Helena, MT	8/9/2023
Blower Door Training – Habitat for Humanity	4 hours	2	Helena, MT	8/17/2023



### **Field Study and Evaluation**

#### *Montana Commercial Code Evaluation*

The Montana Commercial New Construction Code (MT CNCC) 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 scheduled to run through Q3 2023, with billing data collection scheduled for completion by Q1 2024. A preliminary report from this study is anticipated by Q4 2023, with an addendum reflecting billing data analysis results anticipated for Q1 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:

- 1) Assess statewide compliance with selected code requirements among single-family homes built under IECC 2018 with Montana amendments.
- 2) Develop estimates of statewide energy code compliance and compliance within urban and rural jurisdictions separately using data collected on individual code requirements.
- 3) 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 will re-launch in early 2024 with a focus on on-site data collection, and Montana's residential energy code evaluation is expected in late 2024.



### General Updates

In Q3 2023, the U.S. DOE issued Requests for Information (RFI) and Notices of Proposed Rulemaking (NOPR) for eight 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 Q3 2023. 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.

Throughout most of Q3 2023, NEEA participated in a [multiproduct negotiation](#) between the Association of Home Appliance Manufacturers (AHAM) and energy efficiency advocates led by the Appliance Standards Awareness Project (ASAP). If adopted by the U.S. DOE, the jointly recommended standards are projected to save 9.4 quadrillion BTUs of energy across the following products: refrigerators and freezers, beverage and wine chillers, clothes washers, clothes dryers, dishwashers, and cooking products.

Below is a list of products for which NEEA submitted comment letters in Q3 2023:

### Commercial / Industrial Products

- Automatic Commercial Ice Makers
- Refrigerated Beverage Vending Machines

### Residential Products

- Ceiling Fans
- Water Heaters

### Other

In addition to responding to comment letters, NEEA has been active in a multi-party joint negotiation to move forward recommendations for a U.S. DOE rulemaking on Commercial Unitary Air Conditioners and Heat Pumps. This effort is aimed at developing a consensus agreement on the minimum efficiency level for these products and involves the U.S. DOE, energy efficiency advocates, utility representatives and manufacturers. Negotiations concluded in April 2023 with a successful consensus agreement. In September 2023, the U.S. DOE published the Notice of Proposed Rulemaking incorporating the decisions from this agreement, with comments due in Q4 2023.





### **Other (*Continued*)**

In Q2 2023, the Air-Conditioning, Heating, and Refrigeration Institute (AHRI) began committee meetings to update Standard 210/240, “Performance Rating of Unitary Air-Conditioning and Air Source Heat Pump Equipment.” NEEA has joined the effort as a partner to support the update of this test procedure that addresses residential equipment. The 14 full-day meetings addressed multiple near-term and long-term changes to the test procedure that will likely go into effect in 2025 and 2030 respectively. The near-term wins for efficiency include adding a controls verification procedure based on a supplemental load-based test, including a definition for cold climate heat pumps and implementing a dual fuel heat pump metric rating. The long-term wins for efficiency will require a new metric (no longer Heating Seasonal Performance Factor (HSPF) and Seasonal Energy Efficiency Ratio (SEER)) and include: redefining the load curve and bin hours to more accurately reflect national averages of the U.S. and Canada; including stand-by, crankcase heater controls into a full season metric; and including electric heat used during defrost cycle and fan speed limits for cooling tests. Overall, these changes will result in substantially more representative ratings. The resulting draft standard was submitted to the U.S. DOE as the basis for a presumed federal rulemaking that will likely occur in early 2024 and will have substantial support of those who participated in updating the standard.



### 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 Q2 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 provide a quantitative estimate of the share of savings resulting from NEEA and other efficiency organizations' efforts. The project will kick off in October 2023, and 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 Q2 2024.



#### **General Updates**

The CSA Group held its annual project review and planning meeting in June 2023. NEEA staff continue to coordinate with CSA Group on several projects that will benefit the Northwest, particularly with heat pumps and water heating.



### 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 subcontractors to adopt above-code technologies and best practices. The interventions focus on both gas and electric technologies and residential building measures.

Highlights of Q3 2023 include:

- Completion of more than 2,900 above-code home certifications year to date.
- Presentation of sessions at the BuiltGreen Conference and the Plius Certified Passive House Builder Training.
- Delivery of monthly newsletters to more than 2,000 recipients with a year-to-date 34.2% open rate and 7% click-through rate.

The BetterBuiltNW (BBNW) team continues to develop resources and trainings for the Northwest market on the 45L tax credit and is slated to present a training in Q4 2023 with the latest information.

### 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](#).



### Education and Training *(Continued)*

Residential new construction above-code trainings delivered in Q3 2023 are listed in the table below.

Training Topic	Length of Course	Attendees	Location	Date
Top 10 Best Practices for Today's Homebuilder	3 hours	73*	On-demand	Various
Building with Ducts Inside Conditioned Spaces	3 hours	47*	On-demand	Various
Sustainable Homes Professional (SHP)	15–20 hours	67*	On-demand	Various
How to Cost Effectively Build Zero Energy Homes	3 hours	67*	On-demand	Various
On The Level: Balanced Ventilation Approaches for Healthy Indoor Air	1 hour	41*	On-demand	Various
On The Level: Exterior Air Barrier Details in the NW	1 hour	42*	On-demand	Various
On The Level: Installation Elements for ERVs & HRVs	1 hour	40*	On-demand	Various
On The Level: Design and Quality Control Best Practices for ERVs/HRVs	1 hour	34*	On-demand	Various
On The Level: Practical Solutions for Selecting & Installing Exterior Insulation	1 hour	69*	On-demand	Various
On The Level: Using Building Science to Inform Envelope Design	1 hour	48*	On-demand	Various
Zero Energy Homes: Updates & Cost-Effective Approaches	1 hour	84*	On-demand	Various
Simple Steps to Improve Ductwork Installations	1 hour	30*	On-demand	Various
BuiltGreen Conference: WSEC-R + Cookbook	1 hour	40	Lynnwood, WA	9/14/2023

\*On-Demand training attendance numbers are cumulative starting from January 1, 2023.



### Program Updates

Starting 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 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 is expected in Q4 2023.

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