

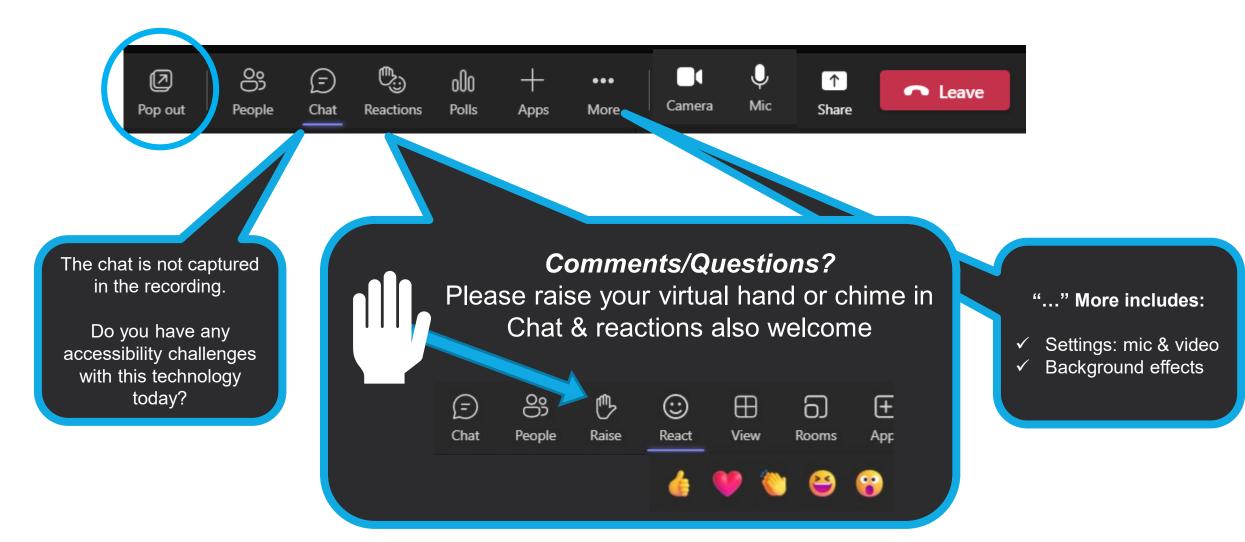
Regional Portfolio Advisory Committee

## Q2 2024: Monday, May 13

12:30-4:00pm Pacific Hybrid @ EFX Conference Center (Spokane, WA)



# **Tools for Today: Engaging on Teams**



# <u>Heads up:</u>

"Spotlighting" Speakers





#### All times Pacific

12:30 - 12:50	Welcome, Introductions and Agenda
12:50 - 1:05	Housekeeping and Looking Ahead
1:05 - 1:45	RPAC Round Robin
10 min	BREAK
1:55 - 2:40	Electric Portfolio Update & New Opportunities
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3:30 - 3:50	<ul> <li>RPAC+ Marketing</li> <li>Refresher on Proposed HWPH Campaign</li> <li>Funder Elections</li> </ul>
3:50 - 4:00	Public Comment, meeting debrief and adjourn



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# **Packet Review & Informational Updates**

## Tier 1: Agenda Items

- ✓ Electric Portfolio Update (pg. 3)
- ✓ Manufactured Homes Update (pg. 11)
- ✓ (RPAC+) HPWH Campaign (pg. 12)

## Tier 2: Informational Updates

- ✓ Heat Pump Water Heater Innovation Prize (pg. 13)
- ✓ Q1/Q2 Committee Updates (pg. 14)

## Tier 3: Additional Resources (links on pg. 2)

*Market Progress Report, committee materials (charters & recent meeting resources), functional newsletters (Market Research & Eval, Emerg Tech, Codes + Standards + New Construction)* 







• Name

Organization

• And....

XXX





## Housekeeping & Looking Ahead

## Updates

- Workgroups
- Stakeholder Satisfaction Survey &
   Coordinating Committee Assessment
- Cycle 7 (2025-29) Business Plan
- End Use Load Flex
- Announcements & Reminders
  - RBSA Release
  - Heat Pump Water Heater (HPWH)
     Federal Standard
  - Upcoming Meetings & Events

# Workgroup Updates

# **Federal Funding** Jonathan Belais – Jbelais@neea.org

# NGAC Dual Fuel Product Peter Christeleit – Pchristeleit@neea.org



## 2024 Stakeholder Engagement Activities

- 1) Stakeholder Satisfaction Survey completed in February
- 2) In-person stakeholder visits (2024)

### Goals:

- Solicit feedback on stakeholders' experience working with NEEA staff; participating in NEEA forums
- Build understanding of stakeholder needs
- Discuss marketing coordination as needed
- Continue socializing Cycle 7 (2025-29) Business Plan



## NEEA Coordinating Committee (CC) Assessment

- Focus areas:
  - Structure, content flexibility, # of meetings
- Goals:

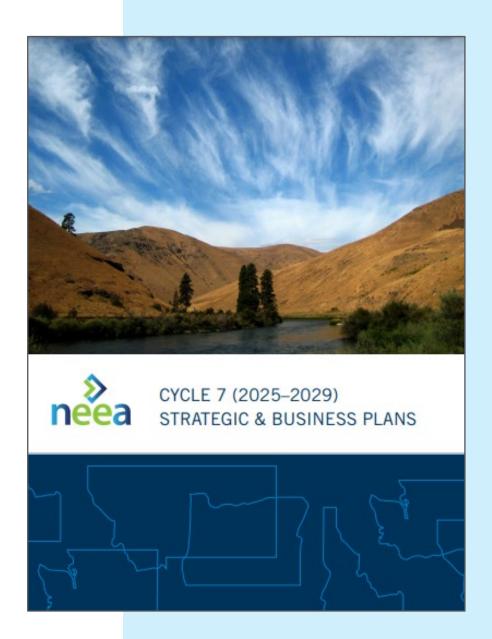
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- Identify areas for improvement and support transition to Cycle 7 (2025-29)
- Ensure regional value delivery and effective resource allocation.
- Next Steps:
  - Q2: Scenario review, input gathering w/ CCs
  - Q3: Review w/ RPAC, confirm w/ CCs

# 2025 – 2029 Strategic + Business Plans

Plans outline NEEA's comprehensive five-year strategy to deliver on its mission:

Catalyze the most efficient use of energy for a thriving Northwest.



neea.org/plans

# End Use Load Flex Update (Becky Walker)

# *End Use Load Flex: Strategic Plan Context (2025-2029)*

- Goal 1: Transform Markets for Energy Efficiency
- Goal 2: Accelerate the Adoption of Grid-Enabled End-Use Technologies through Market Transformation



## NEEA Cycle 7 (2025-2029) Strategic Plan

Draft – September, 2023

# End Use Load Flex - Approach

## **Timeline:**

2023	2024	2025	2026	2027	2028	2029
Scoping and contracting						
	2024-2025 Project					
		Reg	gional End-	Use Load F	lexibility P	ortfolio

## **NEEA's Role:**

- Convene the region
- Identify emerging technologies and solutions
- Leverage existing market relationships
- Conduct market research and collect data

# 2024-2025 End Use Load Flex Key Activities

Task 1: End-Use Load Flexibility Steering Committee and Portfolio Development

- Engaging and informing participants in Project Tasks
- Sharing information, best practices and lessons learned
- Developing End-use Load Flex Portfolio, overview presentation and associated contracts

Task 2: Flexible Demand Solutions

- Accelerating product advancement, testing and demonstration of smart controls for electric heating
- Developing a strategy to drive rapid adoption of electric water heaters with embedded Universal Communication Modules
- Advancing unified regional approach to influence stakeholders

Task 3: Product Prioritization and Initial Insights Research

- Prioritizing products/programs for regional implementation
- Highlighting actions supporting increased consumer participation
- Understanding consumer insights



## End Use Load Flex Current Participants

Utility	Representative	
Avista	Meghan Pinch	
Chelan County PUD	Andrew Grassell	
Clark Public Utilities	Matthew Babbitts	
Emerald PUD	Tyler Boehringer	
Pacific Power	Laura James	
Portland General Electric	Jake Wise	
Puget Sound Energy	Thomas Smith	
Seattle City Light	Jennifer Finnigan	
Snohomish PUD	Suzanne Frew	
Tacoma Power	Jeremy Stewart	

Announcements + Upcoming Events

# 2022 RBSA Data Reveals Northwest Energy Trends

# 2022 Residential Building Stock Assessment

Data and Findings Report Now Available





# Consumer Water Heating Federal Standard

- What Federal standard for gas and electric consumer water heaters
- When
  - Final Rule April 30, 2024
  - Effective Date May 6, 2029
- Regional Impact
  - 50% market share of HPWHs in 2029
  - 300 aMW projected savings
- Next Steps
  - Summer 2024 webinar
  - Program focus on market readiness
    - Workforce development
    - Product assessment and quality assurance
    - National coordination

HPWH = Heat Pump Water Heater

		Very Small	$(0.5925 - (0.0059 \text{ x V}_{eff}))$
Very Small Electric Storage Water	< 20. col	Low	0.8642 - (0.0030 x V <sub>eff</sub> )
Heater	< 20 gal	Medium	0.9096 - (0.0020 x V <sub>eff</sub> )
		High	0.9430 - (0.0012 x V <sub>eff</sub> )
Small Electric Starage Water Hester	$\geq$ 20 gal and $\leq$ 35 gal	Very Small	$0.8808 - (0.0008 \times V_{eff})$
Small Electric Storage Water Heater	$\geq$ 20 gai and $\leq$ 35 gai	Low	$0.9254 - (0.0003 \times V_{eff})$
	> 20 and ≤ 55 gal (excluding small electric storage water heaters)	Very Small	2.30
		Low	2.30
		Medium	2.30
		High	2.30
	> 55 col and <120 col	Very Small	2.50
Electric Storage Water Usaters		Low	2.50
Electric Storage Water Heaters	$> 55$ gal and $\leq 120$ gal	Medium	2.50
		High	2.50
		Very Small	0.3574 - (0.0012 x V <sub>eff</sub> )
	> 120 mal	Low	0.7897 - (0.0019 x V <sub>eff</sub> )
	> 120 gal	Medium	0.8884 - (0.0017 x V <sub>eff</sub> )
		High	0.9575 - (0.0013 x V <sub>eff</sub> )

**Heat Pumps** 





## **Reminder: Hybrid in Q2 + Q4**





# Upcoming NEEA Meetings

## May (Q2)

• 22-23<sup>rd</sup> Integrated Systems Coordinating Committee (ISCC)

## June (Q2)

- 24<sup>th</sup> Products Coordination Committee (PCC)
- 25<sup>th</sup> Q2 Board Meeting (Billings, MT)
- 27<sup>th</sup> Regional Emerging Technology Advisory Committee (RETAC)

## August (Q3)

- 15<sup>th</sup> Integrated Systems Coordinating Committee (ISCC)
- 22<sup>nd</sup> Regional Portfolio Advisory Committee (RPAC)
- 28<sup>th</sup> Cost Effectiveness & Evaluation Advisory Committee (CEAC)



# Other regional / industry events or announcements?





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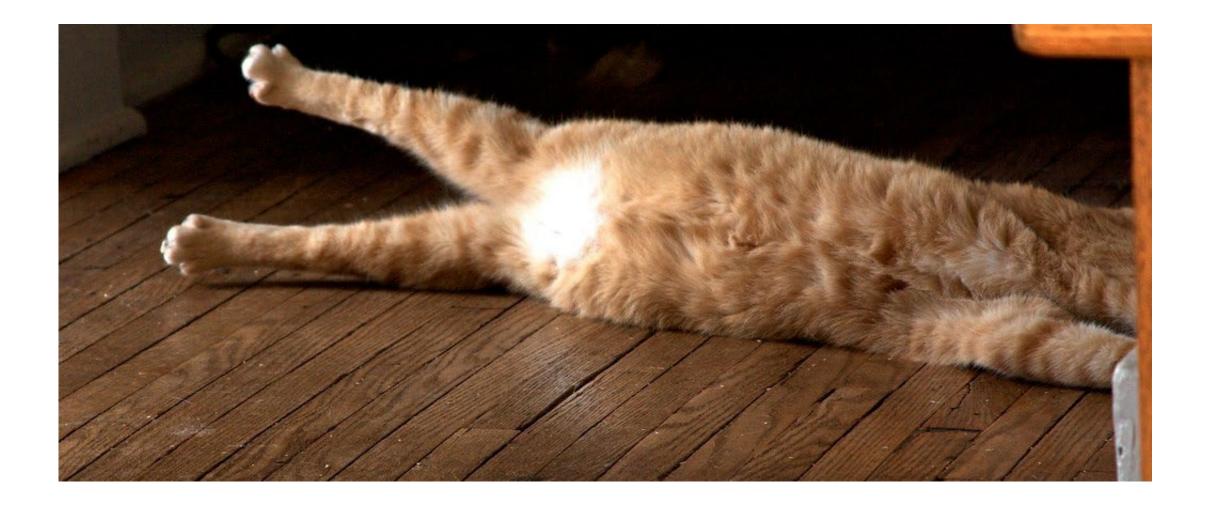
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# Round Robin

- Big changes (programs/personnel)
  - Current challenges, lessons learned
    - How utility activities relate to NEEA's
      - Sharable tools/materials
        - Equity, underserved markets
          - Findings, filings, IRPs









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# Electric Portfolio Update & New Opportunities

## Stephanie Rider

Director – Data, Planning & Analytics

Srider@neea.org

Eric Olson Manager – Emerging Technology

EOlson@neea.org

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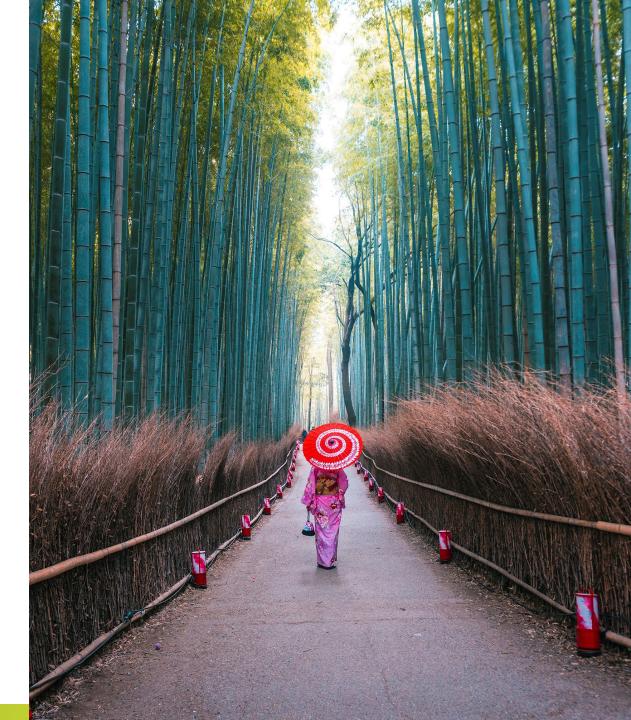


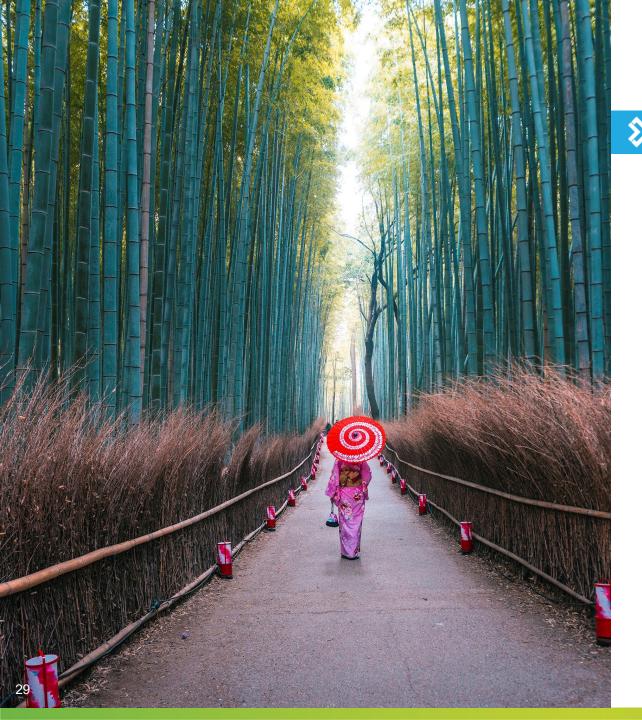
Portfolio Topic Agenda

1. Portfolio Status

2. Look Forward in the Portfolio

# 3. Emerging Technology Horizon





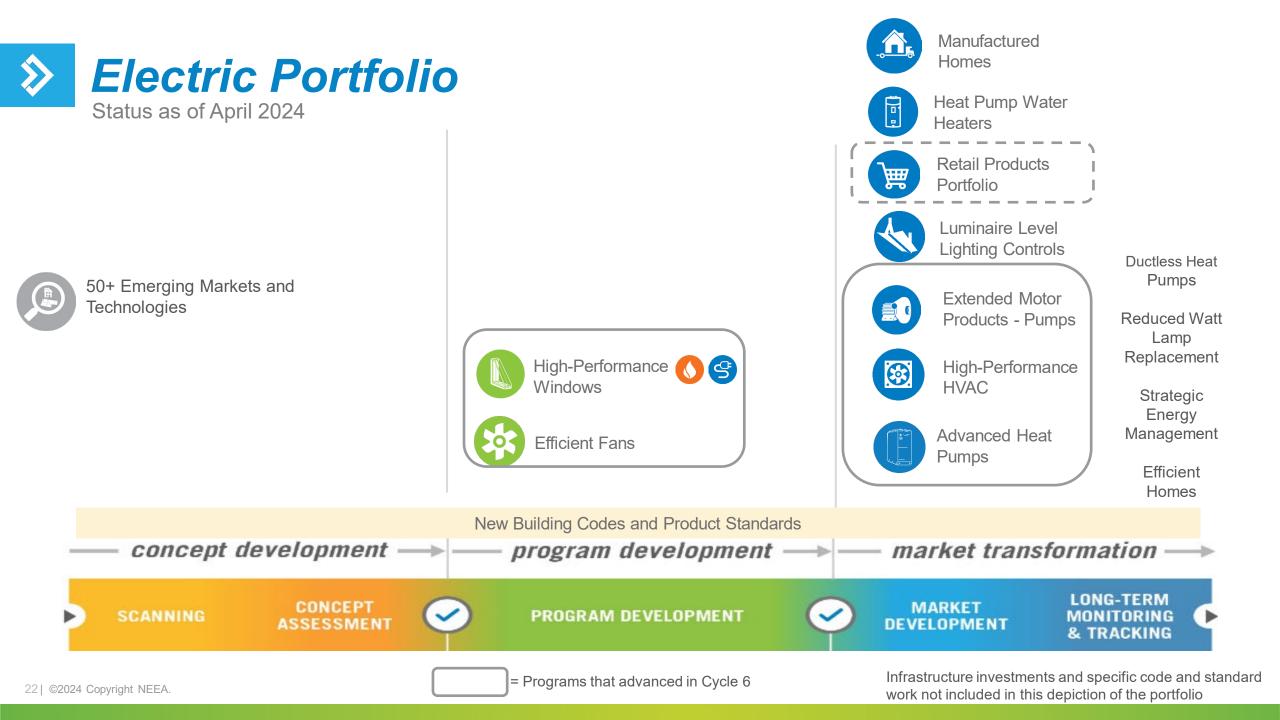
## **Executive Summary**

## **Portfolio Status**

- Market progress in mature programs is strong
- Recent speed bumps and new developments
- Energy Savings for Cycle 6 are trending to top of the Business Plan expectations set during Cycle 6 planning

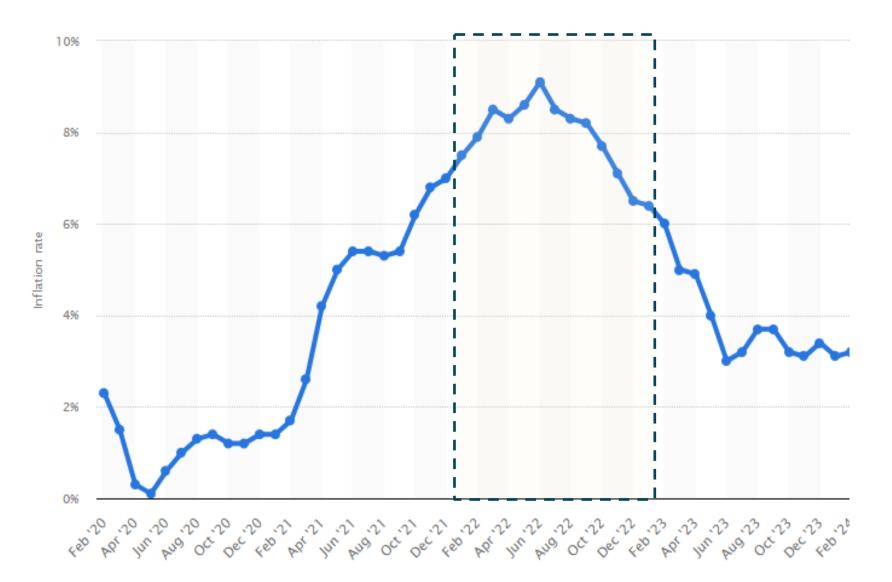
## Look Forward in the Portfolio

Emerging Technology Horizon





# Inflation has reduced buying power by 20%



Source: Bureau of Labor Statistics © Statista 2024

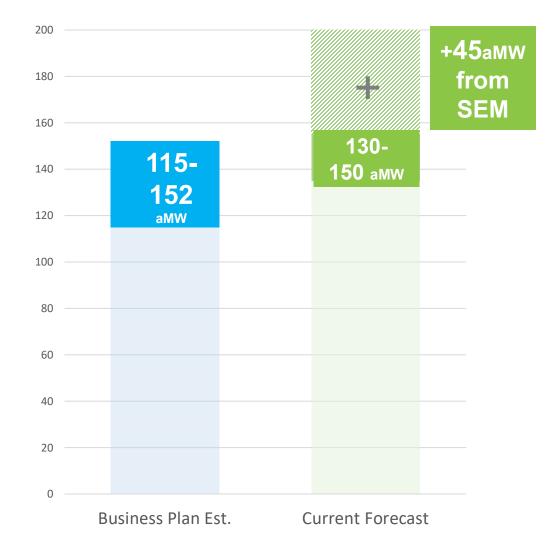
# 2023 Market Updates

## Speed bumps in some areas

- Slower growth than usual in some areas
- Data limitations in TVs and Refrigerators
- Delays with TV manufacturer voluntary participation

# New developments, new opportunities unfolding

- HVAC Supplier data access expanded
- Heat Pump technology expansion
- Luminaire Level Lighting Controls now in lighting practice standards



Market transformation progress still strong. These are short term bumps.

# Solution Current Cycle 6 (2020-2024) Business Plan Outlook

Expecting 175-200 aMW of cocreate electric energy savings

Equates to

Up to 900,000 tons of carbon reduction

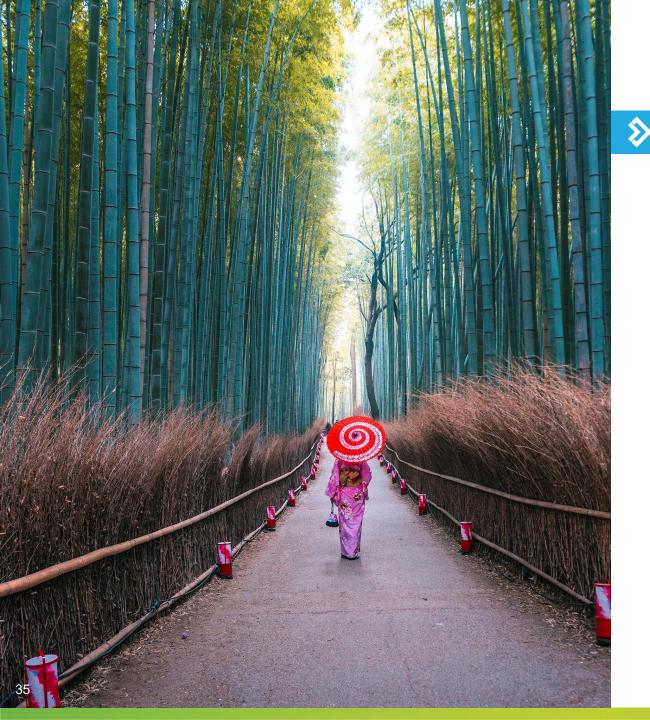
Up to 400 MW of peak reduction (winter)



# **Example 2** Achieved our Portfolio Goals for Cycle 6 (2020-2024)

#### *Figure 2: Diversification contributions of new programs introduced in Cycle 6*

	Increases Near Term Savings Potential	Balances Risk Profile	Balances Long Term Sector Profile
XMP Pumps		$\checkmark$	tbd
TVs		$\checkmark$	$\checkmark$
HP Windows			$\checkmark$
Advanced HP		tbd	$\checkmark$
Efficient Fans	tbd	tbd	



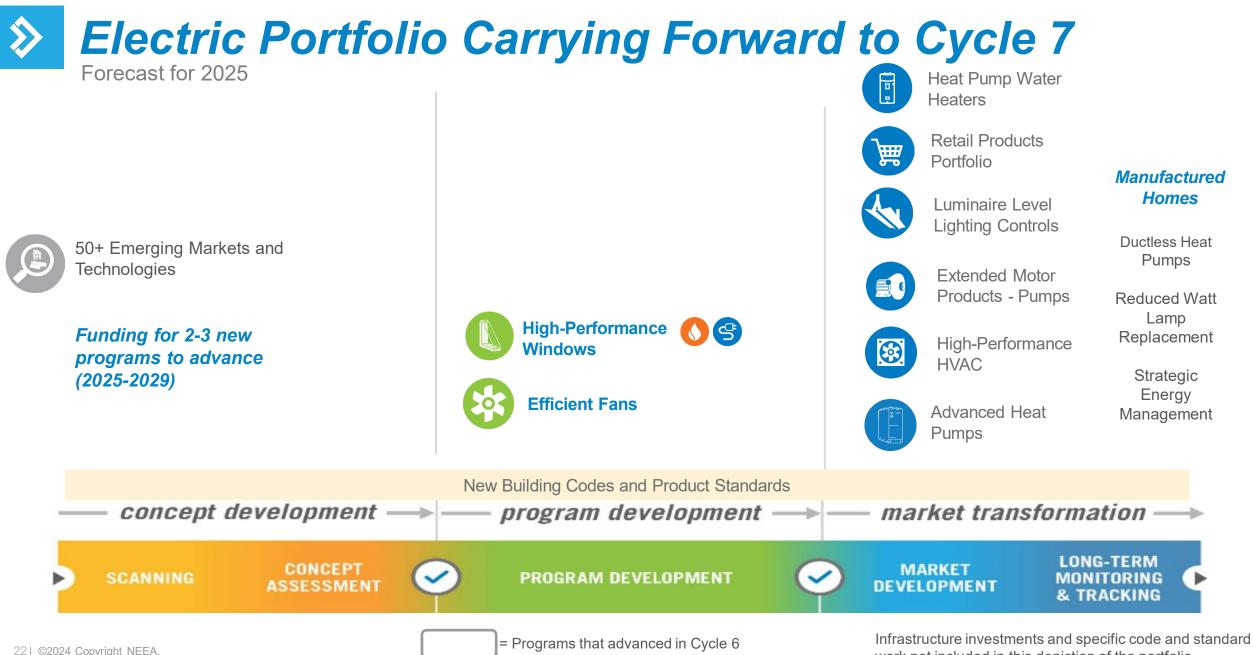
**Executive Summary** 

## **Portfolio Status**

## Look Forward in the Portfolio

- Current portfolio carrying forward into Cycle 7 (2025-29)
- Looking at expansion opportunities

## Emerging Technology Horizon



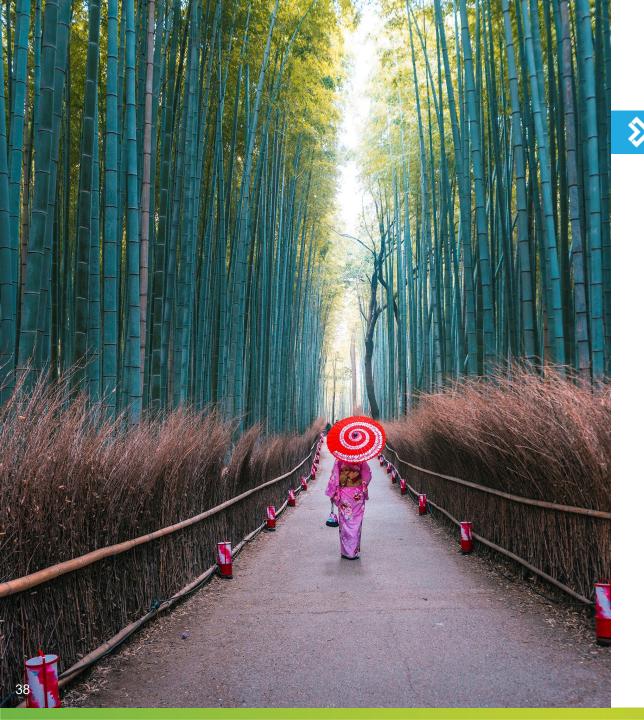
work not included in this depiction of the portfolio

#### Cycle 7 Forecasted Benefits Reference Table

#### Table 3: Cycle 7 Scorecard

Market Transformation Metrics	Electric Estimate
5-year (2025–2029) Co-Created Energy Savings	190–225 aMW
10-year (2025–2034) Co-Created Energy Savings	365–470 aMW
5-year Carbon Reduction (thousand tons)	780-900
5-year Winter Peak Load Savings <sup>5</sup> (MW)	390-475
5-year Summer Peak Load Savings <sup>6</sup> (MW)	340-400

Forecast includes estimates for new/er programs, codes and standards



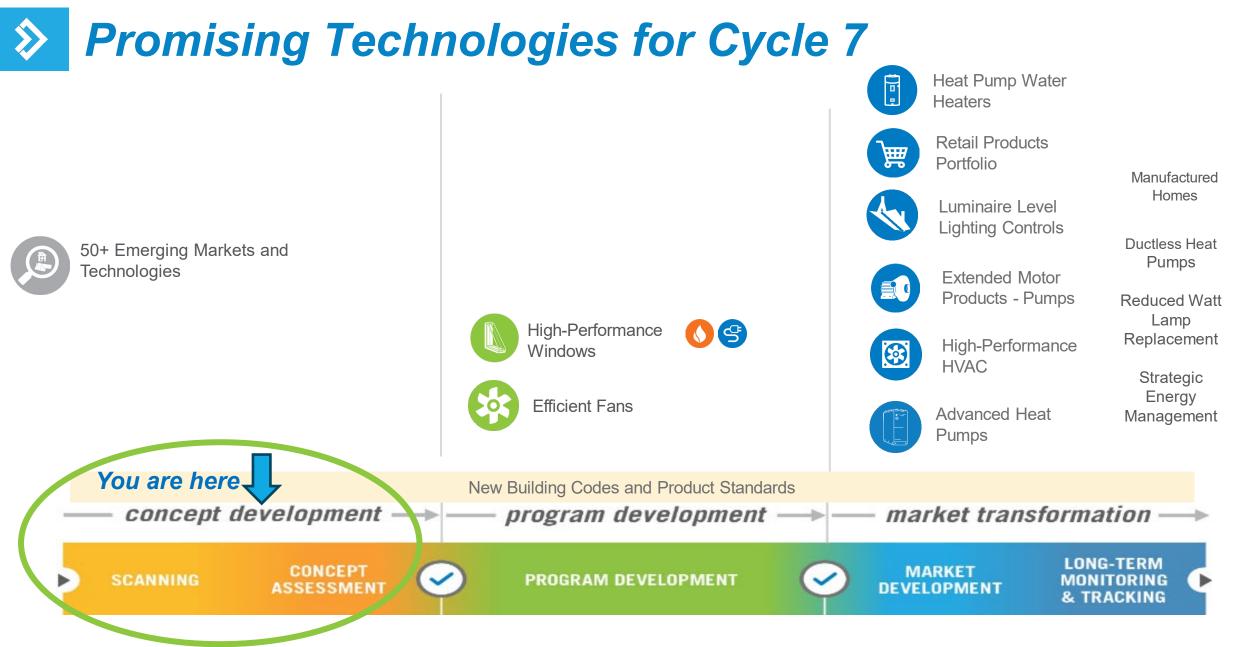
#### **Executive Summary**

**Portfolio Status** 

#### Look Forward in the Portfolio

#### **Emerging Technology Horizon**

- Cycle 7 Business Plan: Expanded emphasis on technologies that reduce peak demand
  - Product innovation in existing portfolio + new programs
- Trends
  - Connectivity, System-level efficiency, Inverterdrive motors & compressors, Low Global Warming Potential refrigerants, Artificial Intelligence



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# Maintaining a Full Pipeline

#### **Emerging Technologies**



#### **New Measures**

**Readiness:** ✓ Product ✓ Market ✓ Program Light Green Medium Green Breaking

Somewhat

firm.

Ready to eat in

about 24 hours

Very firm.

about 5 days

Firm.

about 3 days

Ready to eat in Ready to eat in



Pre-RipeDark RipeSomewhat soft.Softer.Ready forReady for allslicing.uses.

# > Typical Emerging Technology Activities

- Assess technical potential energy savings opportunity
- Manufacturer Engagement
- Market Monitoring
- Lab Testing
- Field Testing
- Performance Specification
   Development
- Test Method Development

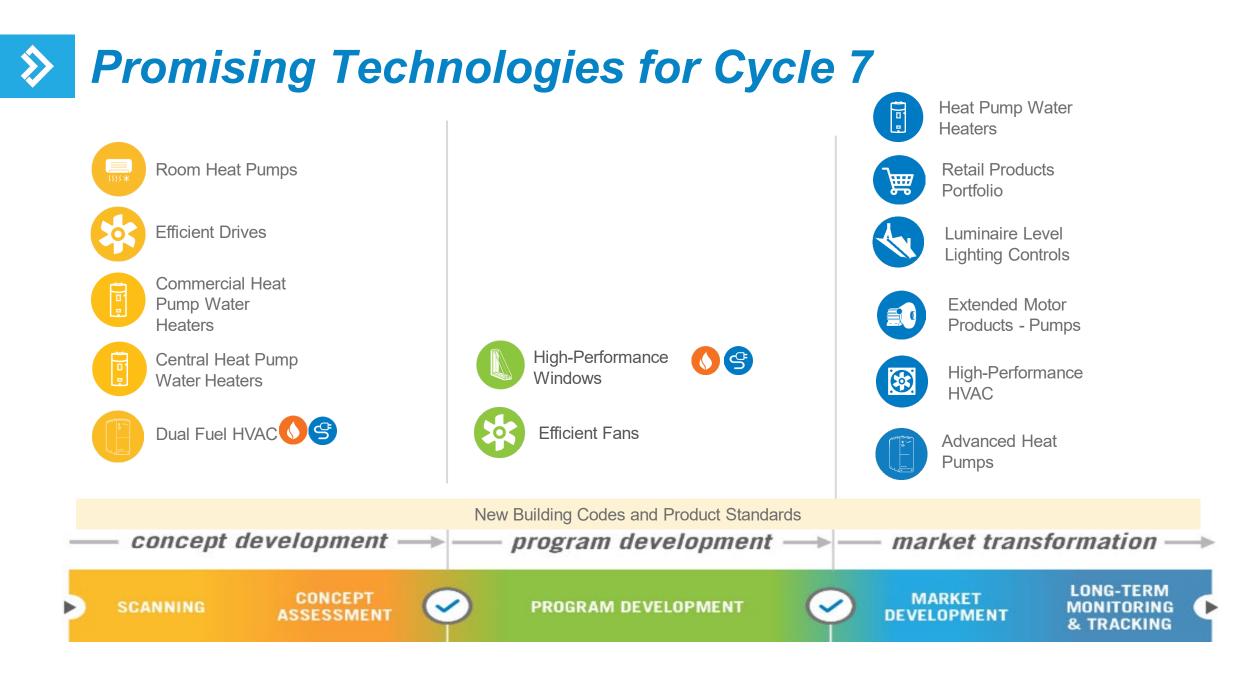
#### Appendix C: 2024 Emerging Technology Activities by Product

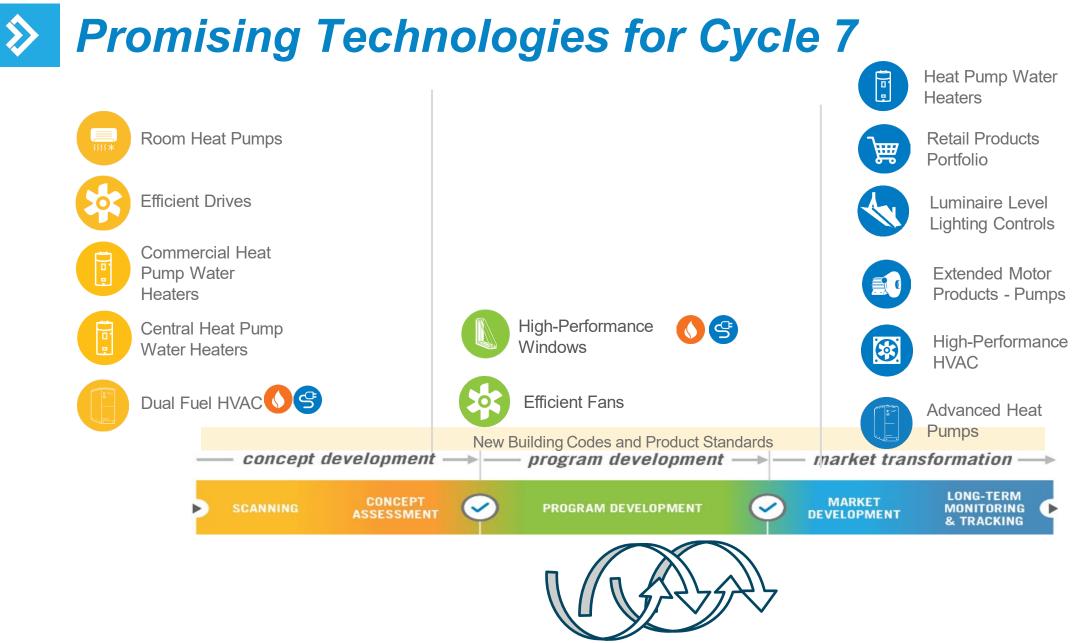
This chart lists the products and activities NEEA staff are planning for 2024 to understand and advance emerging technologies. Actual activities will vary based on opportunities, coordination with other researchers, and available resources. A short definition for each activity is listed after the chart.

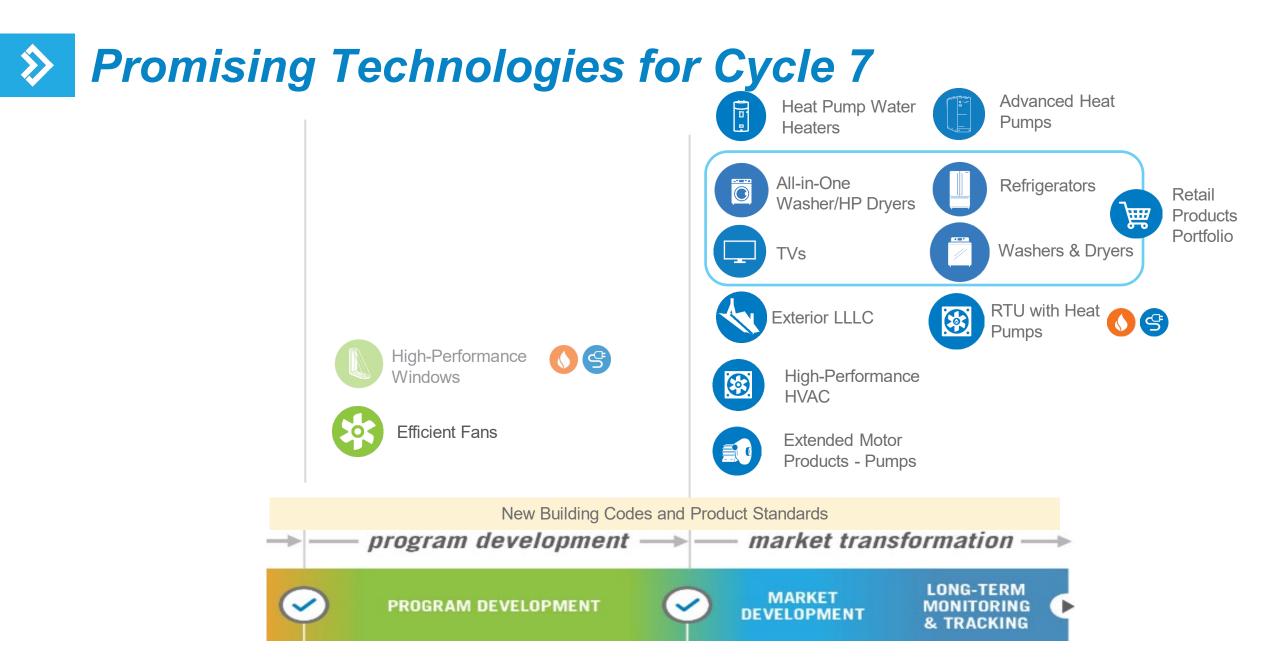
PRODUCT GROUP	PRODUCTS	TECHNICAL POTENTIAL ASSESSMENT	TEST METHOD DEVELOPMENT	PERFORMANCE SPECIFICATION DEVELOPMENT	MANUFACTURER ENGAGEMENT	MARKET MONITORING	LAB TESTING	FIELD TESTING
BUILDING	Window Attachments				Х	Х		
ENVELOPE	Non-glass Secondary				х			
	Windows				^			
	Retrofit Wall System					х	х	х
	Improvements					~	^	^
	Dynamic Glazing	Х				Х		
	High Efficiency				х	х		
	Windows*				~	~		
	Integrated Design /							
	Performance Path					х		
	Code*							
CONSUMER	Clothes Dryer							
PRODUCTS	Innovations (UV,	Х			Х		Х	
	Ultrasonic, others)							
	NEEA Field Laundry		х					х
	Study*							
	Thermo-electric HP	х			х		х	х
	Dishwasher							
	Commercial Laundry	x	х		х			
	Innovation							
	Commercial Cooking	Х			Х	Х	X	Х
	Induction Cooktops	Х					X	
	Displays/Monitors*	Х	Х		Х		X	
	Combination Washer- Dryers*		х		х	х	х	

DRAFT - 2024 Operations Plan | 100

https://neea.org/img/documents/NEEA-2024-Operations-Plan.pdf







# Emerging Technology Trends

	Demand Response	Peak Load Reduction	Load Shifting
Connectivity			
System Level Efficiency			
Inverter-Driven Motors & Compressors			
Low GWP Refrigerants			
Artificial Intelligence/Advanced Controls			

Good Better Best

### **Cycle 7 Promising Opportunities (HVAC)**



Next Generation Residential Heat Pumps

- Advanced controls
  - Low Load Efficiency
  - Cold Climate
  - Improved commissioning
  - Demand Response
- Peak reduction
- Load shift



Efficient RTUs w/Heat Pump

- Integrated controls
  - Demand response
  - Real-time optimized performance
- Peak reduction



**Cycle 7 Promising Opportunities** (Motor Driven Systems)



Residential, Commercial & Industrial Motors/Drives

- Advanced controls
- Demand Response
- "Right sizing" motor, pumps, and fans
- Peak reduction



# **EXAMPLE 7 Promising Opportunities** (Water Heating)



#### Residential HPWHs for All Applications

- Expanded offerings
  - Attics, closet
- Multi-speed compressors
- Demand Response
- Peak reduction
- Load shift



#### Commercial/Multifamily Central HPWH

- Viable option for new construction and retrofit
- Multi-speed compressors
- Grid-connected
- Peak reduction
- Load shift



### Questions?



Stephanie Rider Director, Data, Planning & Analytics Srider@neea.org Eric Olson Manager, Emerging Tech Eolson@neea.org



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### Manufactured Homes Program Update Transition Market Progress Evaluation Report

#### Mark Rehley

Director – Codes, Standards, New Construction, Emerging Tech

Anu Teja Sr. Market Research & Evaluation Scientist

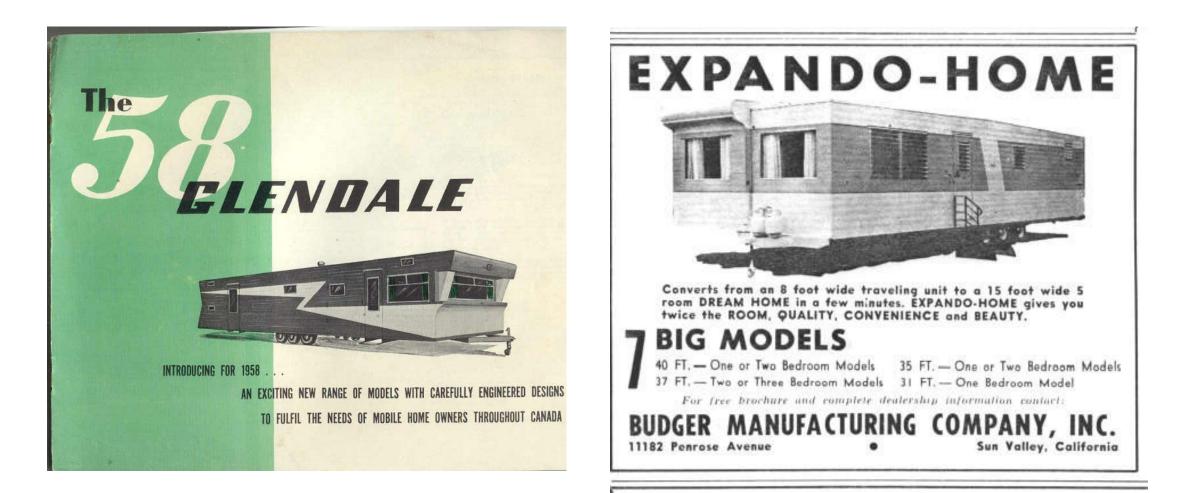




#### What you need to know: Key Takeaways

- Transition Market Progress Evaluation Report (TMPER) is complete and indicates that program market progress indicators (MPIs) have been met, market is stable.
- NEEA's Manufactured Homes Program will move to the Long-Term Monitoring & Tracking Phase LTMT in 2024
- The Federal standard and HUD code have been updated but delayed to 2025
- ENERGY STAR version 3.0 effective 2026
- NEEA will continue to track due to regulatory uncertainty





## **Today's Manufactured Home**



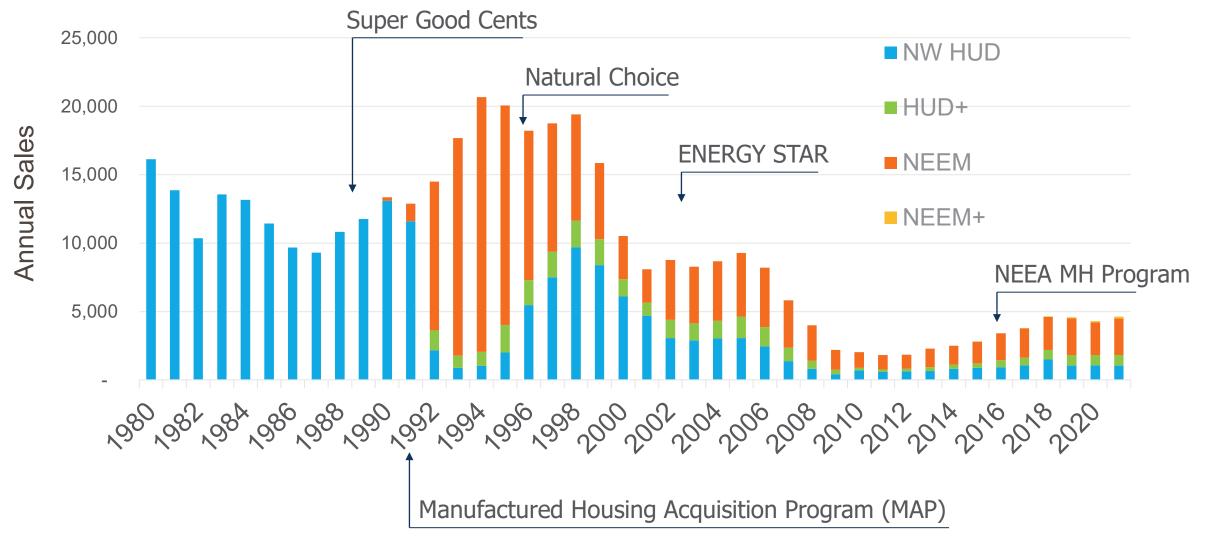
https://www.bobvila.com/articles/8405-mobile-homes-then-and-now/#.WPuld5V1rTs

# **Today's Manufactured Home**



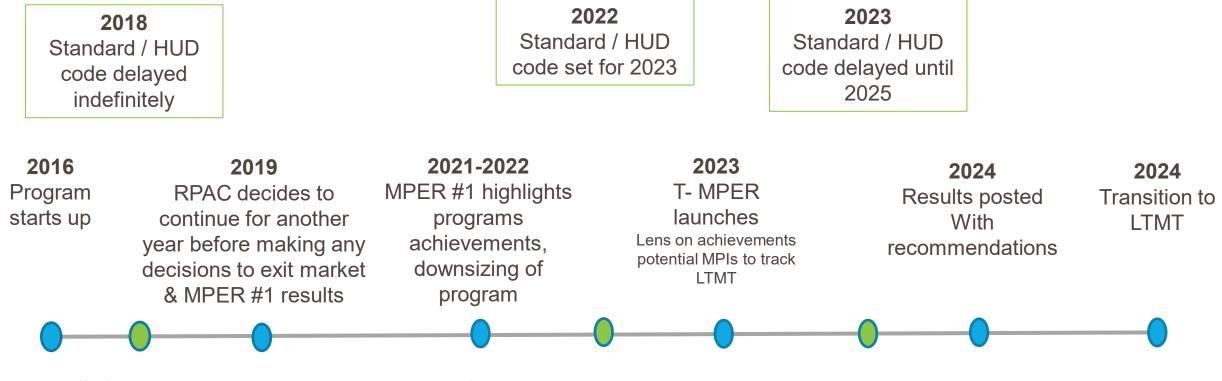
©2024 Copyright NEEA. http://mobilehomeliving.org/5-great-manufactured-home-interior-design-tricks/

# Manufactured Home Programs and Sales History



## NEEA's Manufactured Homes Program

The program has supported the Northwest Energy Efficient Manufactured Housing Program (NEEM)+ specification, developed by Northwest Energy Works since 2014.



MPER #1 & T-MPER completed by Apex Analytics, LLC



#### MAKE YOUR MANUFACTURED HOME THE MOST ENERGY EFFICIENT YOU CAN BUY.

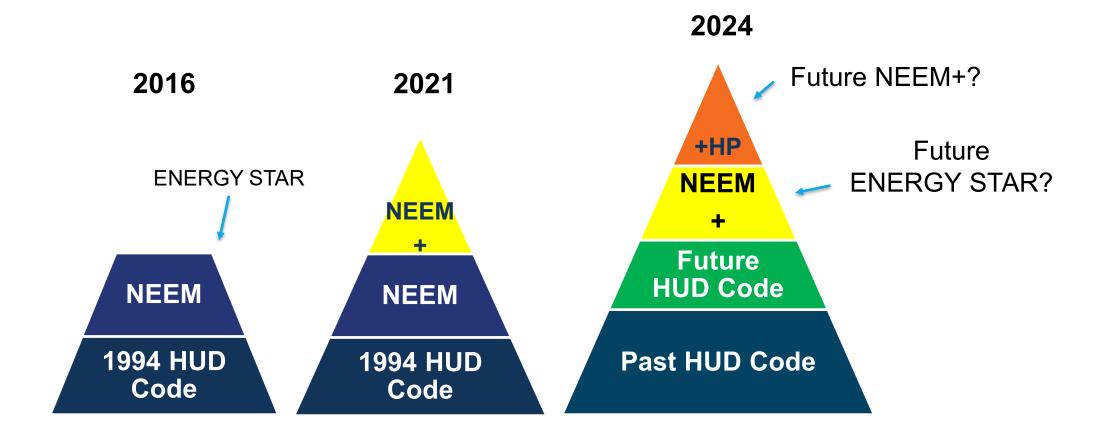


https://www.neemhomes.com/neem-plus

#### WHAT MAKES THESE ENERGY SAVING HOMES DIFFERENT? HERE ARE A FEW OF THEIR INNOVATIVE FEATURES:

- · Careful sealing of all connections
- Added floor, ceiling, and wall insulation
- High-performing upgraded windows
- · LED bulbs in every fixture
- Ultra-efficient, silent ventilation system
- · Flashing and house-wrap
- Smart Thermostat for cooling/heating control

### Specifications in the Northwest





# **The Role of a T-MPER in the Initiative Life Cycle?**





**Confirm** that NEEM Program remains viable without NEEA's intervention

Summarize the programs Narrative from inception to the present day.

Track key Market Progress Indicators (MPIs)

**Recommend** viable approaches for conducting Long Term Monitoring and Tracking (LTMT) efforts

# **Research Approach**

Activity	# of Respondents	Details
Staff interviews & document review	5	<ul> <li>Current NEEA staff</li> <li>Former NEEA staff</li> <li>Northwest Energy Works staff</li> </ul>
Regional program administrator interviews	4	<ul> <li>Efficiency program administrators in the Northwest offering end-user and/or retailer incentives for NEEM+</li> </ul>
Manufacturer Interviews	5	<ul> <li>NEEM+ manufacturers (3)</li> <li>Others in regional familiar but not building (2)</li> </ul>
Retailer interviews	18	<ul> <li>Retailers selling NEEM+ homes (15)</li> <li>Retailers not selling NEEM+ homes (3)</li> </ul>

# **Research Findings**



What did we learn?

# • NEEM+ market share is low, but stable

- Retailers & manufacturers see it as a niche offering
- They don't plan to reduce or eliminate
   NEEM+ offerings
- But unlikely to significantly increase its production

# Program successfully met assessed MPIs

MPI	Status	Detail
Manufacturers can build to NEEM+ specification	Met	No technical challenges cited among the 3 manufacturers offered NEEM+ homes
Incented incremental cost of NEEM+ homes is less than 5% over comparable homes	Met	On average the incremental cost homes ranged from \$1,200-\$6,000. Estimated this to be 2-4% of the total cost of the home.
MH retailers increase sales of NEEM+ homes	Met	Most retailers that offered NEEM+ homes (six respondents) report increase in sales.
Factory trainings in NEEM+ home construction are held & test homes are built	Met	Northwest Energy Works staff still providing advice & training, that manufacturers value.

### Future Diffusion Indicators: Meaningful Efficiency Specifications

#### **Proposed Indicator**

Manufacturers & retailers offer homes meeting efficiency specification that provide whole home energy savings of at least 10% over current practice in the region

#### Rationale

- Goal is to drive home efficiency by differentiating the most efficient homes
- To get here, the spec must be a meaningful improvement over the less efficient alternative
- Currently energy benefits of NEEM+, ENERGY STAR V3, & ZERH are not immediately clear

#### Approach

Need to determine:

What is the less efficient alternative and how does energy use compare to homes meeting efficiency specs?

### Future Diffusion Indicators: Viability of Specifications

#### **Proposed Indicator**

- Market share of qualified homes remains steady or increases
- At least 3 manufacturers offer qualified homes
- Sales of qualified homes is geographically distributed

#### Rationale

- Indicates consumer demand & likelihood that mfrs will continue to offer them
- Reduces the reliance on just a single mfr so there is availability of homes
- Demonstrates broader demand for qualified homes, not driven by codes and/or rebates

#### Approach

Gather data on home sales from various sources:

- Northwest Energy Works EPA
- Sawtooth Mountain Research
- State data
- MHI

# Conclusions & Recommendations

Conclusion #1: NEEM program position is stable in the near term.
 NEEA should continue to monitor the MH market as ENERGY STAR specification takes effect in 2026, and Federal standard in 2025.

Conclusion #2: Revising ENERGY STAR V3 specification to allow NEEM+ homes to participate w/out additional major upgrades outside the factory can enable NEEM more visibility.

NEEA & Energy Works Northwest continues to w/EPA to support ENERGY STAR V3 specification allowing NEEM+ to participate w/out heat pump installation.

### Conclusions & Recommendations

- Conclusion #3: Need further research to determine extent to which specifications drives manufactured homes efficiency in the region.
  - Take the opportunity to partner w/ RTF to conduct an analysis to assess the relative energy savings between NEEM+ homes & less efficient homes.
  - > Also consider assessing typical installation practices.



### The Road Ahead

- Share RPAC Memo Q3 2024
- **Move** program to LTMT and begin measuring diffusion metrics
- **Coordinate** with ENERGY STAR and DOE to align NEEM+ (Managed by Codes and Standards)
- **Test** approaches to adding heat pumps (Scanning)

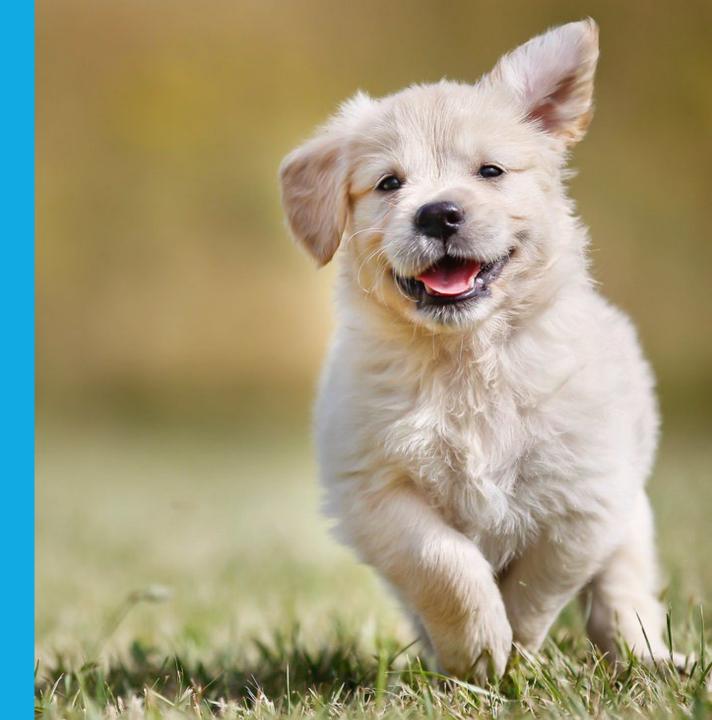


Mark Rehley – Mrehley@neea.org Anu Teja – Ateja@neea.org





### *Transition to RPAC+ Marketing Elections*





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### **RPAC+ Elections Options**

- <u>PARTICIPATE</u>: Funder supports NEEA conducting the planned marketing activity in its service territory
- <u>SELF-DELIVER</u>: Funder opts to deliver the planned marketing activity in its service territory, in coordination with NEEA timing and activities
- **EXEMPTION**: Funder does not support the planned marketing activity being conducted in its service territory



## **RPAC+ Elections Process – Roll Call @ End**

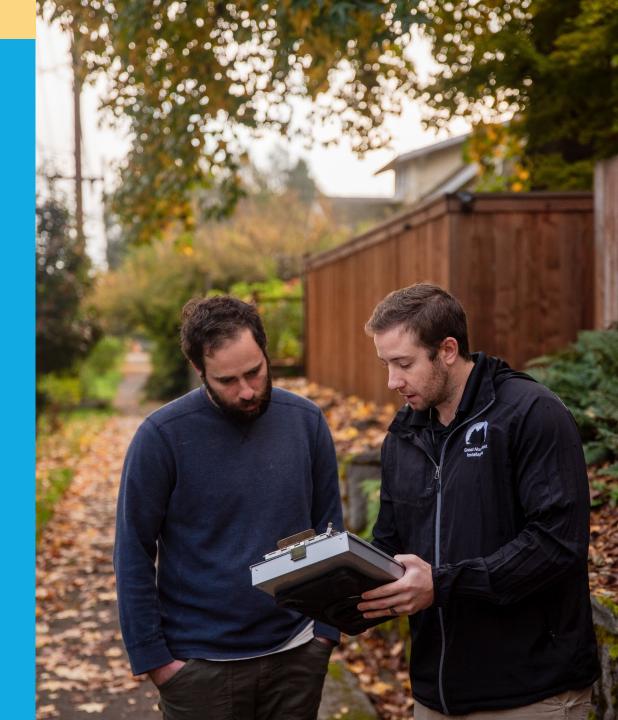
Electric HPWH Consumer Awareness Campaign			
	Participate ✓	Self-Deliver ✓	Exempt ✓
Avista			
Bonneville Power Administration			
Chelan PUD			
Clark Public Utilities			
Energy Trust			
Idaho Power			
NorthWestern Energy			
Pacific Power			
Puget Sound Energy			
Seattle City Light			
Snohomish PUD			
Tacoma Power			

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# Proposed 2024 HPWH Consumer & Campaign

#### **Britt Cutsforth Dawkins**

Manager of Program Marketing Strategy, NEEA bdawkins@neea.org



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#### **Strategies**

**Continue increasing regional consumer awareness**, with a continued focus in more rural areas

**Build consideration** with consumers who have some level of existing awareness of HPWHs

**Ensure alignment and collaboration** by leveraging previously-approved messaging, connecting with individual funders, and working with mid- and upstream market actors

#### Targeting

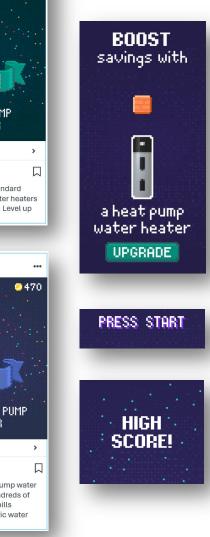
Northwest homeowners in funder-approved ZIP codes with high levels of electric water heat and/or electric space heat, weighted toward rural

**Retarget consumers** who have engaged with the current campaign

# Campaign Overview

- Brand: Hot Water Solutions
- Timing: July through October 2024
- Media spend: \$150K
- Creative: Level Up
- Messaging: Previously-approved copy
- Format: Animated + static ads on social and display
- Calls-to-Action: to campaign landing page on HotWaterSolutionsNW.org

Hor Water Solutions		Unt Water Only Services
en e	•••	Hot Water Solutions
•	• 000	YOU WIN! WITH A HEAT PUT WATER HEATER
Learn more	>	Learn more
$\bigcirc \bigcirc \land \blacksquare$		$\bigcirc \bigcirc \checkmark \blacksquare$
Standard electric water heat more energy than your refrige dishwasher, clothes washer combined! Change the game electric heat pump water hea	erator, and dryer e with an	With longer warranties than sta electric models, heat pump wat pay off now and down the road. today. 🐓
Hot Water Solutions		Hot Water Solutions
NOT Hot Water Solutions		Hot Water Solutions
Sponsord ®	PUMP	SAVE WITH A HEAT
		SAVE WITH A HEATER WATER HEATER
VERNE Sponsord ®	<b>PUMP</b> ER	SAVE WITH A HEAT



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#### EDUCATION AND TRANSACTION

MEDIA CHANNELS



<text>

CAMPAIGN LANDING PAGE









# Timing and RPAC+ Process

Q1 2024	Q2 2024	Q3 2024	Q4 2024
<ul> <li>February 5</li> <li><i>RPAC/RPAC+ meeting</i></li> <li>Overview of proposed 2024 consumer campaign</li> <li>March–April</li> <li>Hold 1:1 meetings</li> </ul>	<ul> <li>May 13</li> <li><i>RPAC/RPAC+ meeting</i></li> <li>Review proposed plan, funders make elections</li> <li>Confirm targeted territories with participating utilities (self-deliver utilities to share</li> </ul>	<ul> <li>July</li> <li>Launch 2024 consumer campaign</li> <li>Collaborate with supply chain actors throughout the campaign</li> </ul>	<ul> <li>October</li> <li>Conclude campaign</li> <li>Analyze results and develop reporting to be shared at the Q1 2025 RPAC meeting</li> </ul>
with RPAC members and their marketing staff	<ul> <li>plans)</li> <li>June</li> <li>Launch redesigned HotWaterSolutionsNW.org</li> <li>Confirm details of final</li> </ul>		

campaign prior to launch

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## **RPAC+** *Elections*

#### **Reminder of Options**

- <u>PARTICIPATE</u>: Funder supports NEEA conducting the planned marketing activity in its service territory
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## Q&A / Discussion

## **RPAC+ Elections – 2024 HPWH Consumer Campaign**

Electric HPWH Consumer Awareness Campaign			
	Participate ✓	Self-Deliver ✓	Exempt ✓
Avista			
Bonneville Power Administration			
Chelan PUD			
Clark Public Utilities			
Energy Trust			
Idaho Power			
NorthWestern Energy			
Pacific Power			
Puget Sound Energy			
Seattle City Light			
Snohomish PUD			
Tacoma Power			

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# Britt Cutsforth Dawkins—Manager, Program Marketing Strategy bdawkins@neea.org





#### All times Pacific

Γ	3:50 - 4:00	Public Comment, meeting debrief and adjourn
	3:15 - 3:50	<ul> <li>RPAC+ Marketing</li> <li>Refresher on Proposed HWPH Campaign</li> <li>Funder Elections</li> </ul>
	10 min	BREAK, TRANSITION TO RPAC+ PORTION
	2:30 - 3:05	Manufactured Homes Transition Market Progress Evaluation Report (T-MPER)
	1:55 - 2:40	Electric Portfolio Update & New Opportunities
	10 min	BREAK
	1:05 - 1:45	RPAC Round Robin
	12:50 - 1:05	Housekeeping and Looking Ahead
	12:30 - 12:50	Welcome, Introductions and Agenda

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# Let's wrap it up!

# Action Items | Any Final Qs?



Action Items



- ✓ What was helpful?
- ✓ Opportunities for improvement?
- ✓ Would you like us to follow up with you on anything?



## **Public Comment?**

## Thank you, RPAC! Until we meet again...

#### Q3 Meeting (Virtual): Thursday, Aug 22

Q4 Meeting (Hybrid): Tuesday, Nov 5 @ SeaTac

