



New Residential Heat Pump Measures Effective October 2026

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Bonneville
POWER ADMINISTRATION



Project Sector and Scope: Residential Space Conditioning (Residential HVAC)

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Agenda

- **New Residential Room Heat Pump Measure**
 - *Eligibility*
 - *Implementation*
 - *Documentation*
 - *Savings and Payments*
- **New Residential Advanced Centrally Ducted Heat Pump Measure**
 - *Eligibility*
 - *Implementation*
 - *Documentation*
 - *Savings and Payments*
- **Questions**



A hand holding a key with a house-shaped keychain against a blurred background of autumn foliage. The text is overlaid on a semi-transparent blue rectangle.

New Measures Available in October 2026 Implementation Manual

Room Heat Pumps



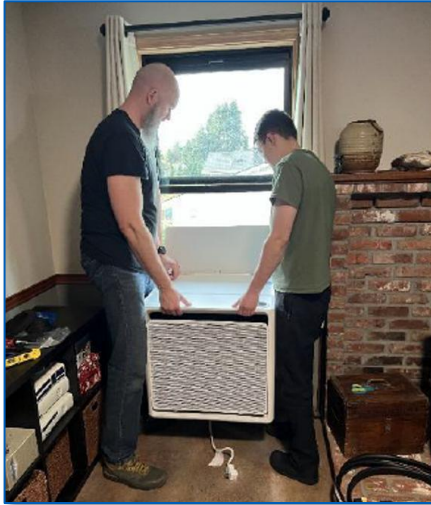
Room Heat Pumps

- ✓ Heat pumps using closed window gap
- ✓ Lower cost
- ✓ Easy to install
- ✓ Smaller capacity than ductless heat pumps
- ✓ Plugs into a standard electrical outlet
- ✓ Two tiers: CEE Tier 2 and CEE Tier Advanced
- ✓ Will be added as IM section 11.5.2



Average market costs are \$900 for CEE Tier 2
and \$3,200 for CEE Tier Advanced

Room Heat Pumps



Typically a two-person installation



Some considerations for securing unit on slat siding



Gap is recommended for meltwater

Room Heat Pumps: Eligibility

- Existing homes and structures
- Single family, manufactured, and multifamily
- All heating and cooling zones
- Installed in rooms primarily served by and electric resistance heating source:
 - Baseboard
 - Cadet
 - Electric forced air furnace
 - Electric resistance flooring
 - Electric resistance space heater

Room Heat Pumps: Implementation

- **Must be on the new Room Heat Pump Qualified Products List**
 - Will include 9 units: two GE units, one Gradient unit, and six Midea units
 - Will be in the IM document library by October 1
 - Update as needed with new qualifying units
- **Limit to 5 room heat pumps per dwelling unit**
 - For multifamily, that applies to a single unit, such as an apartment, condo, or townhouse

Room Heat Pumps: Documentation

DOCUMENT DESCRIPTION	BEETS	CUSTOMER FILE
End user identifying information including unique site ID and address	X	X
Cost documentation	X	X
Documentation of the following: • Manufacturer • Model number • Quantity of equipment purchased	X*	X
<i>*Only in UES Measure Upload Template</i>		

Room Heat Pumps: Savings & Payments

Savings range from 786 to 2,262 kWh/yr

MEASURE CATEGORY	PAYMENT
CEE Tier 2	Single Family and Multifamily: \$300 / unit
	Manufactured Home: \$500 / unit
CEE Tier Advanced	Single Family and Multifamily: \$400 / unit
	Manufactured Home: \$600 / unit

Questions?



Advanced Centrally Ducted Heat Pumps (ACDHP)

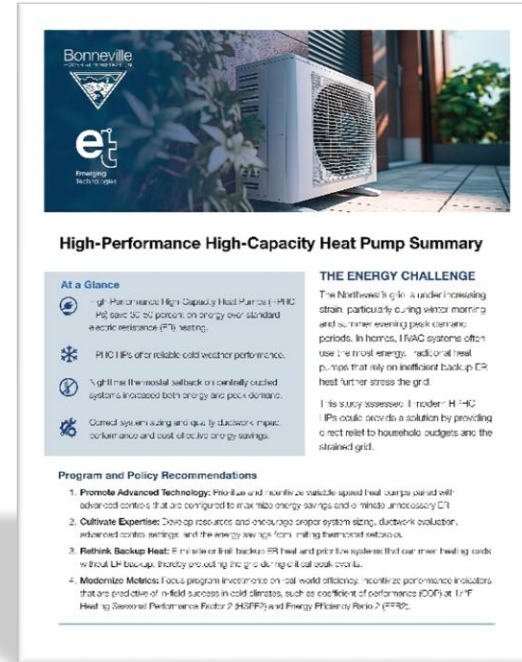
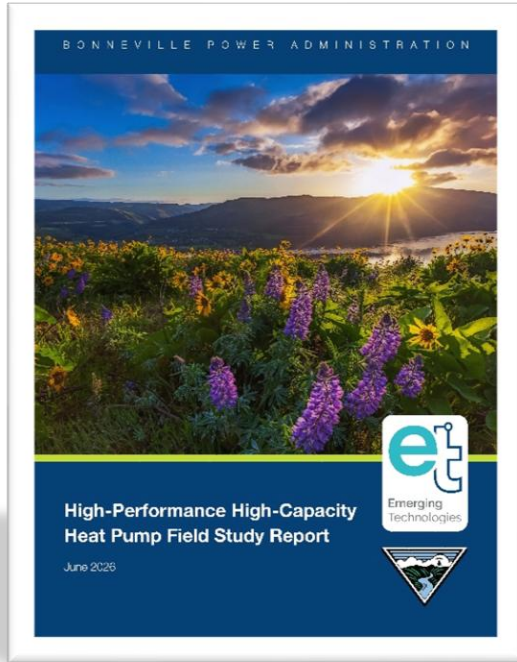


Advanced Centrally Ducted Heat Pumps (ACDHP)

- ✓ Based on the [BPA High Performance High Capacity Heat Pump Field Study](#)
- ✓ Contractor-installed
- ✓ Three-tiered payments depending on what specs are completed
- ✓ Estimated average costs are between \$4,500 for new construction and \$17,000 for conversions and upgrades
- ✓ Will be added as IM section 11.5.6



Study Report Posted on BPA's Website



Click images to access documents.

ACDHP: Eligibility & Savings

- All heating and cooling zones
- Existing Homes:
 - Single family
 - Manufactured homes
- New construction, except in Washington:
 - Single family
 - Manufactured homes
- Savings range from 2,379 to 6,714 kWh/yr

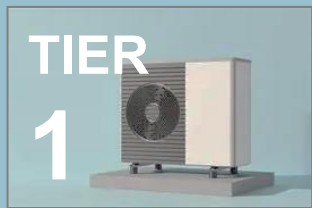
Note: Not eligible in multifamily

ACDHP: Eligibility

- **Conversion** replacing a ducted electric resistance forced air furnace or other electric zonal systems, such as baseboard, Cadet, or other electric wall heaters.
- **Upgrade** replacing a centrally ducted single speed heat pump.
- **Upgrade** replacing a centrally ducted variable speed heat pump.
- **New Construction**, except in Washington.

Homes with less than 4,500 square feet of heated floor area may qualify for only one heat pump payment, which may be one ACDHP or one ductless heat pump (DHP), but not both. Some exceptions apply.

ACDHP: Tiered Specifications



Equipment

CEE Tier 1 Path A Certified verified in:

- AHRI
- NEEP ccASHP Product List



Equipment + Sizing

- Meet 100% or more of building's design heating load without auxiliary electric resistance backup at the minimum outdoor temperature determined by the 99.6% heating design temperature.
- If the design temperature is below 20°F, use 20°F.
- Manual J, BetterBuilt NW HVAC, or BPA-approved sizing tool



Equipment + Sizing + Duct Testing

- Test external static pressure (ESP)
- ESP must be less than or equal to ($\leq$) the manufacturer's maximum allowable limit or maximum allowable limit is 0.8 inches water column (in. w.c.)

NEEP Heat Pump Product List

NEEP database was used to select project specs.

- Air Source Heat Pump (ASHP) NEEP list.
- <https://ashp.neep.org/#!/>
- Provides more product performance details vs. Air-conditioning, Heating, and Refrigeration Institute (AHRI) document.
- Performance values entered by manufacturers.



ACDHP: Required Form

- Site details
- Home type, size, and vintage
- Existing heating type
- Equipment specifications
- Sizing information
- External Static Pressure test
- Sections only required for the selected tier

*Will be available in the IM document library by
October 1*

B o n n e v i l l e P o w e r A d m i n i s t r a t i o n			
Advanced Centrally Ducted Heat Pump Data Collection Tool Advanced Centrally Ducted Heat Pumps must meet specification requirements. This completed data collection tool must be submitted to the electric utility serving the new home. Installer certifies that all completed installations meet or exceed the minimum requirements as stated. <i>Updated July 2025</i>			
Electric Utility Site Address City		Completion Date State Zip	
Home Type: ☐ Single Family ☐ Manufactured Home Vintage: ☐ New Construction ☐ Existing Building		Total Heated Area of the Home: _____ Sq Ft	
Primary Residential Heating System: Primary Residential Heating System means a heating system that serves 50% or more of the conditioned living area of a residence. Select all that apply: ☐ Electric Resistance Forced Air Furnace ☐ Variable Speed Centrally Ducted Heat Pumps ☐ Electric Resistance Zonal (i.e., baseboard or Cadet heaters) ☐ Other (please describe): _____ ☐ Centrally Ducted Single Speed Heat Pump			
Tier 1: Equipment Specification			
Outdoor Heat Pump Make _____ Heat Pump Model _____			
Indoor Heat Pump Make _____ Heat Pump Model _____			
Is this equipment CEE Tier 1 Path A certified? ☐ Yes ☐ No		Click here for information on CEE Tier 1 Path A.	
Tier 2: Equipment Specification and Sizing			
Does equipment meet the specifications of Tier 1? ☐ Yes ☐ No			
Heating Design Temperature (99.6% design temp.): _____ Btu/hr		<i>"If design temperature is below 20°F, use 20°F for T_{design} or else use 99.6% design temperature.</i>	
Heating requirement at design temperature: _____			
Heat Pump Output Capacity at design temperature: _____ Btu/hr			
Is the heat pump capacity greater than the heating requirement at the design temperature? ☐ Yes ☐ No		<i>If design temp is below 20°F, use 20°F, otherwise use design temperature.</i>	

ACDHP: Documentation

DOCUMENT DESCRIPTION	BEETS	CUSTOMER FILE
End user identifying information including unique site ID and address	X	X
Cost documentation	X	X
<u>Advanced Centrally Ducted Heat Pump Data Collection Tool</u>	X	X
Additional documentation of the following depending on the selected Tier: • Tier 1: Screenshot showing CEE Tier 1 Path A certification • Tier 2: ○ Screenshot showing CEE Tier 1 Path A certification ○ Documentation of sizing using a BPA-Approved sizing calculator ○ Manufacturer's documentation of heat pump capacity at design temperature of 20F, whichever is greater • Tier 3: ○ Screenshot showing CEE Tier 1 Path A certification ○ Documentation of sizing using a BPA-Approved sizing calculator ○ Manufacturer's documentation of heat pump capacity at design temperature of 20F, whichever is greater		X

ACDHP: Payments

MEASURE CATEGORY	PAYMENT		
	Tier 1	Tier 2	Tier 3
Conversion Electric Resistance to ACDHP	\$1,900	\$2,700	\$2,900
Upgrade Single Speed Heat Pump to ACDHP	\$ 1,000	\$ 1,800	\$2,000
Upgrade Variable Speed Heat Pump to ACDHP	\$800	\$1,600	\$1,800
New Construction	\$800	\$1,600	\$1,800

Recommendations: Contractors & Homeowners

Education for Regional Energy Savings



Contractors

Focus on load calculations and verify airflow.



Homeowners

Avoid aggressive setbacks; understand that longer run times are needed to achieve efficient heating.

Questions?



One final update...

Section 4. Custom Projects Update

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4.3.2 Custom Projects General Requirements

- Increase the maximum project busbar savings from 200,000 kWh to 400,000 kWh for projects that do not require a cost effectiveness (B/C ratio) screen.
- Update the language under Option 1 Custom Projects and Option 2 Custom Projects to remove the word “additional” as is not applicable.
- If the project busbar savings are ~~20,000~~ 400,000 kWh or less (800,000 kWh or less for Utility Distribution measures) and the project has a BPA approved custom project proposal, no ~~additional~~ cost effectiveness screen will be applied, regardless of the busbar savings in the completion report.

*Draft IM language is
posted here and is
open for comments.*



**Energy Conservation
Implementation Manual**





Thank you!

Please contact your ECAE with more follow-up

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