

Measure Costs and Details

UM 2114 Workshop on Energy Trust and Energy Efficiency

April 1, 2021

This information is provided in support of the April 1, 2021, workshop on Energy Trust and energy efficiency.

In the UM 2114 energy term sheet, the “Low Income, Social Justice & Environmental Justice” section identified weatherization, smart thermostats, manufactured home replacements and ductless heat pumps as possible energy-efficiency savings solutions for low-income utility customers. The following table provides information on those measures and others, including program offer, average project cost, average Energy Trust incentive, project funding gap the after Energy Trust incentive is applied, and the maximum incentive that could be allowed under the Utility Cost Test (which is).

Offer	Description	Housing Type	Avg Project Cost	Current Incentive	Avg Project Funding Gap	Who Pays Funding Gap	Energy Trust Max Incentive Allowed (UCT)
Heat Pump Fixed Price Promotion	Fixed price on project install (equipment, labor). Trade allies selected through competitive solicitation to reduce overall project costs, ensure cost-effective installations and create accessible installation pricing for customers. Baseline is existing condition.	Manufactured home	\$4,900	\$3,000	\$1,900	customer	\$4,200
Ductless Heat Pump Fixed Price Promotion	Trade allies selected through competitive solicitation to reduce overall project costs, ensure cost-effective installations and create accessible installation pricing for customers. Baseline is electric forced air furnace.	Manufactured home	\$4,050	\$2,500	\$1,450	customer	\$3,360

Ductless Heat Pump Fixed Price Promotion	Trade allies selected through competitive solicitation to reduce overall project costs, ensure cost-effective installations and create accessible installation pricing for property owners/managers. Baseline is zonal electric heating system or forced air furnace.	Single-family home Small multifamily	\$4,050	\$1,750-\$2,000	\$2,050-\$2,300	Property owner/manager	\$2,900 - \$4,150
Ductless Heat Pump Installs through Community Action Agencies (CAA) [using Energy Trust Community Partner Funding]	Energy Trust funds are combined with Pacific Power or PGE ratepayer funds (community action agencies via OHCS); allowed via UM 2025	Manufactured home Single-family home (Looking to add small multifamily in 2021)	\$4,200	\$2,000-\$2,800 in single-family home, (\$2,000 possible in small multifamily)	\$1,400 - \$2,200	CAA funds through OHCS	\$2,900 - \$4,150
Ductless Heat Pump Installs through Community-Based Organizations (CBO) [using Energy Trust Community Partner Funding]	Energy Trust funds are positioned to be a point of leverage for CBO-derived funding sources or customer contributions	Manufactured home Single-family home (Looking to add small multifamily in 2021)	\$4,000	\$2,900-\$3,350 in single-family home, (\$2,000 possible in small multifamily)	\$650 - \$1,100	CBO funding and/or customer contribution	\$2,900 - \$4,150
Ductless Heat Pump at Savings Within Reach incentive levels	Customer engages trade ally to install equipment in zonal electric or forced air furnace home; Savings Within Reach enhanced incentive	Manufactured home Single-family home Single-family rentals Small multifamily	\$4,200- \$6,000	\$1,000	\$3,200-\$5,000	customer	\$2,900 - \$4,150
Ductless Heat Pump at Market Rate incentive levels	Customer engages trade ally to install equipment in zonal electric or forced air furnace home. Customers in manufactured homes eligible though the fixed price promotion or Savings Within Reach is a more likely option	Manufactured home Single-family home Small multifamily	\$4,200- \$6,000	\$500 single family \$800 small multifamily	\$3,700-\$5,500	customer	\$2,900 - \$4,150

Heat Pump Water Heater Installs through CAA [using Energy Trust Community Partner Funding]	allowed via UM 2025	Manufactured home Single-family home (Looking to add small multifamily in 2021)	\$2,300	\$1,000	\$1,300	CAA funds through OHCS	\$1,000
Attic/Ceiling Insulation Direct Installs through CBO [using Energy Trust Community Partner Funding]	Energy Trust funds are positioned to be a point of leverage for CBO-derived funding sources or customer contributions	Manufactured home Single-family home (Looking to add small multifamily in 2021)	~\$1.50-\$2.50/sq ft	full cost of installation	\$0	no gap	\$1.67-\$3.38
Home Energy Assessments with Duct Sealing and Repair	Trade allies are solicited to provide coverage across Energy Trust service territory. The offer is a home energy assessment and free duct sealing to homes that demonstrate sufficient need, based upon the condition of the current duct system.	Manufactured home	\$250 for assessment \$300 - \$600 for duct sealing/repair	full cost of installation	\$0	no gap	\$300 - \$600
Low-cost Smart Thermostats	Customer purchases unit through an online portal; portal qualifies them based upon utility and existing HVAC system	Manufactured home Single-family home Small multifamily	\$129-\$249	\$104-\$249	\$0-25	customer	\$249
Manufactured Home Replacement Pilot	A pilot that leverages Energy Trust funds with OHCS low-income weatherization funds, as well as loan funding through a combination of Craft3 and USDA Pilot resources. This pilot is prioritized for nonprofit manufactured park owners, but also includes some individually owned units	Manufactured home	\$75,000 singlewide \$100,000 doublewide	\$12,500 singlewide \$16,500 doublewide	\$42,500 singlewide after ET+OHCS \$63,500 doublewide after ET+OHCS varies by project, financing is available to help offset the remaining	OHCS - \$20K Partner pays the remaining w/ low-interest financing	current incentives are max incentives

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Definitions and Descriptions

Community partner funding -- Increased incentive offers for qualifying entities to support customers living in detached single-family homes and existing manufactured homes. Qualifying entities must currently offer, or be developing an offer, that serve customers with low-to-moderate incomes, communities of color, rural customers, veterans and customers experiencing disabilities. Examples of eligible partners include community-based organizations, community action agencies, municipalities like housing authorities or economic development districts.

Small multifamily -- Housing with 2-4 units that are not stacked and don't have central systems (e.g., heating, water heating); example: duplex, triplex, four-plex.

Savings Within Reach -- Increased incentives for income-qualified individuals, and temporarily, those experiencing COVID-19 related employment disruption.

Utility Cost Test -- One of two cost-effectiveness tests used by Energy Trust when determining incentive requirements and levels. The UCT helps determine the maximum amount of incentive that is cost-effective at the measure-level.