

Wildfire and Natural Disaster Resiliency Rebuild (WNDRR)

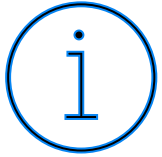
Investor-Owned Utility Input on Incentive Structure and Amounts



Mark Pignatelli
Director, Residential & C&I

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Key Objectives for Today's Webinar



Provide high level overview of WNDRR Program



Obtain feedback from stakeholders on the proposed incentives



Establish and grow relationships with interested stakeholders

D.21.11.002 WNDRR Guidelines and Objectives

Scope

Statewide Program that provides incentives and support owners of residential and multi-family properties in rebuilding lower carbon, all-electric homes post-wildfire and other natural disasters

- **Customer First:** Program delivery to the recipient should be simple, seamless, and clear.
- **Regulatory Simplicity:** Regulatory rules for the WNDRR Program are intended to ease the post-natural disaster reconstruction process

Incentives

- **Tier 2 Advice Letter-** Incentive Structure and Amounts based on IOU and stakeholder input
- **Flat Based Incentives:** per (a) single-family dwelling structure and (b) unit in a multi-family structure.
- **Additional Incentives:** May be offered for GHG reducing measures above code such as energy storage, load flexibility tools.
- **Building Types:** Incentives should be offered to residential site-built homes, modular homes, Accessory Dwelling Units (ADUs), manufactured homes and multifamily structures.

Layering

- **Incentive Layering or “stacking”:** Support decarbonization while maintaining a simple participant experience.
- **Objective:** Leverage other available resources to assist with rebuilding cost with focus on resiliency and decarbonization

Eligibility Requirements

Eligibility

- 1 Property owner / electric account holder of participating Investor-Owned Utilities prior to and after disaster event
- 2 Residential building that has been destroyed or Red-Tagged by a city, county, or combined jurisdiction that has declared a Local Emergency Proclamation dating back to 2017 and future events
- 3 Residential new construction that complies with the applicable energy code and rebuilds all-electric
- 4 Building types include Single Family, Modular, Manufactured, Accessory Dwelling Unit (ADU), and Multifamily

Natural Disasters post-2017

The Disaster Recovery Housing Programs with CA Housing & Community Development has an existing pipeline of reconstructions dating back to 2017 totaling 244 reconstructions which qualify for CDBG-DR grant funds

CA Wildfires	Destroyed Residences
2017	7,503
2018	17,400
2020	3,847
TOTAL	28,750

*Data Source: FEMA

Outreach

Initial Outreach Performed



Butte County

San Diego County

Los Angeles County

Plumas County

Siskiyou County

Sonoma County

Outreach Strategy



Program Website and application portal



Call Center and Customer Care



CBO partnerships to offer application support



Coordination with local jurisdictions



Disaster Recovery Resource Centers

Incentive Categories

Incentive Category	Estimated Budget
Direct Incentives & Bonus Incentives	\$21,000,000
Equity-Focused Stakeholder Rewards	\$500,000
Pre-Approved Building Plans	\$404,025
Total Incentive Budget	\$21,904,025

- **Direct Incentive and bonus incentives:** Incentive paid for constructed all electric housing units & kickers for GHG reducing measures
- **Equity-Focused Stakeholder Rewards:** “Bonus” to market actor to support equity customer participation to be determined in response to individual events.
- **Pre-Approved Building Plans:** Funds allocated to local government building departments to facilitate the development and adoption of pre-approved building plans.

Direct Incentive Design

Design Considerations

- 1 Simple to understand and remember for participants.
- 2 Clear definitions that can be communicated by CBOs, local jurisdictions and other channel partners.
- 3 A base incentive for an all-electric unit that readily complements other programs for incentive layering.
- 4 Enhanced incentive that overcomes consumer reluctance to a single fuel home, provides value to the electric grid and supports GHG reduction.

Guidance

- ✓ D.21.11.002 including Appendix B.
- ✓ Flat base incentive per:
 - a) Single-family dwelling structure
 - b) Unit in a multi-family structure
- ✓ Additional incentives should only be warranted for specific measures offering GHG reductions above code requirements such as energy storage systems.
- ✓ Incentives to be at least 1.5 higher for equity customers.
- ✓ Incentives may be layered or stacked with other programs except for the Building Initiative for Low-Emissions Development (BUILD).
- ✓ Tier 2 Advice Letter to be filed with Incentive Structure and Amounts

Direct Incentive Design: Base and Equity

Unit Type	Rebuild Standard for Incentive	2024 Base	Program Allowable Range - Base	2024 Equity	Program Allowable Range - Equity
Single Family Unit	T24 all electric	\$10,000	\$8,000 - \$12,000	\$15,000	\$12,000 - \$18,000
Modular Housing Unit	T24 all electric	\$8,000	\$6,000 - \$10,000	\$12,000	\$9,000 - \$15,000
Manufactured Housing Unit	Energy Star 2.0 all electric	\$7,000	\$5,000 - \$9,000	\$10,500	\$7,500 - \$13,500
ADU unit	T24 all electric	\$7,000	\$5,000 - \$9,000	\$10,500	\$7,500 - \$13,500
Multifamily unit	T24 all electric	\$5,000	\$3,000 - \$7,000	\$7,500	\$4,500 - \$10,500

Direct Incentive Design: Bonus Incentives

Technology	Base Incentive Amount	Equity Incentive Amount
Whole-Home Battery	\$5,000	\$7,500
Ultra-Low GWP Refrigerant Heat Pump Water Heater	\$3,000	\$4,500
Passive House Standard	\$20,000	\$30,000

- Whole-Home Battery:** Battery systems must comply with manufacturer specifications and the interconnection agreements from the participating IOU. In addition, systems must comply with the specifications and eligible equipment set forth in the Self Generation Incentive Program (SGIP) handbook.
- Ultra-Low GWP Refrigerant Heat Pump Water Heater:** The ultra-low-GWP bonus applies to heat pump water heaters that use refrigerants with 10 GWP or less. Residential unitary (single-family and multifamily) California Energy Commission (CEC) JA13 compliant and either:
 - On the Northwest Energy Efficiency Alliance (NEEA) Residential Heat Pump Water Heater Qualified Products List or
 - On the ENERGY STAR® Product Specification for Residential Water Heaters V4 (or later) with Connected Capability
- Passive House Certification:** The full set of certification documents that is outlined in the Passive House Building Certification Guideline 10. All models and CalCERTS or CHEERs models shall reflect the full set of Passive House measures installed.

<https://www.selfgenca.com/home/resources/>

<https://passivehousecal.org/resources/passive-house-building-certification-guide-10/>

Additional Incentives & Technical Support

Equity Focused Stakeholder Rewards

- 1 Incentives to market actors and stakeholders to assist equity customers in overcoming their unique barriers
- 2 Engage major home insurance providers to discuss discount insurance rates based on reduced risk associated with all-electric and resilient features
- 3 Working directly with manufactured home retailers to provide rewards for qualified models at the time of purchase
- 4 Identify other key market actors in specific event declarations that support equity customers

Pre-Approved Building Plans

- ✓ Budget reserved to identify and create pre-approved building plans
- ✓ Collaborate with local jurisdictions and building departments to adopt or develop plans
- ✓ Plans will be utilized to expedite the permit review process
- ✓ Alleviate constraints and accelerate the design process and timeline
- ✓ Final plan sets that include all-electric construction details that contemplate battery and Passive House standards

A hand is shown in the upper right quadrant, carefully balancing a smooth, dark grey rock on top of a stack of other smooth, rounded rocks of various colors (brown, tan, grey) on a beach. The background is a soft-focus view of the ocean and sky. The overall mood is calm and balanced.

Discussion and Next Steps

- Gather input from today
- Informal comments to mark.pignatelli@icf.com by 6/24/2024
- Please complete the survey here: [survey link](#)
- Incorporate comments as appropriate into Advice Letter