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Zero-Carbon Modular Housing Can Deliver Strong EPIC 5 Ratepayer Value

This approach is essential for achieving impact beyond one-off, site-by-site upgrades. Modular housing standardizes clean-energy integration and reduces field labor across single family, multifamily, tribal, affordable, workforce, and select retrofit applications. Factory-installed systems can help move California toward lower installed-cost benchmarks already seen in other markets, including solar near \$1/watt and battery storage near \$650/kWh, by reducing the soft costs that often represent the largest share of total installed cost, particularly in smaller projects. The same factory economies of scale can also reduce the cost of heat pumps, high-performance windows, thermal insulation, cool roofs, EV charging, and other energy-efficient systems, many of which also provide comfort and resilience benefits. These priorities align directly with EPIC 5 goals for building decarbonization, distributed energy resources, and rate payer value by turning each home into a repeatable clean-energy deployment platform rather than a one-off construction project, while keeping first costs comparable to traditional homes that barely meet energy code.

Through a prior CEC EPIC award, ReMo Homes received approximately \$3 million to develop zero-carbon modular housing technology. This support, leveraged with partner funding from organizations like Panasonic, enabled ReMo to advance factory integration, pursue state-level preapproval, and support real-world deployment pathways for tribal housing and wildfire-rebuild housing. ReMo's SupReMo plan became the first-ever plan to receive statewide preapproval in California and the first prefabricated plan preapproved by Los Angeles County for wildfire rebuilds. ReMo is also advancing multiple demonstrations, including with the Hoopa Tribe, and recently entered into a joint venture with the Tribe to explore deploying this technology nationwide. In addition, ReMo has received a support letter from Blue Lake Rancheria to advance microgrid installation in surrounding tribal areas through education and workforce development. These examples show how EPIC investments can move zero-carbon housing technology from the lab into communities while creating repeatable models for clean-energy deployment, resilience, affordability, local workforce development, and rate payer benefits.