



FOR MULTIFAMILY PROPERTIES ALMOND COURT CASE STUDY

ENERGY WORK COMPLETED PROPERTY PROFILE Heat pump water heaters Owned by Self Help Enterprises (SHE) High efficiency ducted heat pumps SHE works to build and sustain energy efficient Seal ductwork with Aeroseal affordable housing for low-income families Air seal and insulate attic Built in 1996; 45,000 square feet New ENERGY STAR washing machines and refrigerators 36 two, three, and four bedroom units Located in Wasco, CA Dual pane windows Units direct metered for gas and electricity Comprehensive LED lighting upgrade Existing DHW: Natural gas non-condensing tanks Low-flow aerators and showerheads Existing HVAC: Natural gas forced air units with AC Solar PV (110 kW system)

The Low-Income Weatherization Program for Multifamily helps realize energy savings for Almond Court

Self Help Enterprises (SHE) is committed to supporting the financial sustainability, health, and well-being of the families living at Almond Court. In 2017, SHE completed meaningful energy efficient retrofits at **Almond Court** to significantly reduce energy use and greenhouse gas emissions while also reducing energy bill costs for their low-income families.

LIWP-Multifamily provided SHE with no-cost comprehensive technical assistance and financial incentives to find deep energy savings. SHE and LIWP-Multifamily designed a scope of work that focused on electrification and building envelope and system improvements that significantly reduced their residents' energy bills while improving their comfort and indoor air quality.

ANNUAL RESIDENT SAVINGS

\$30K

72%

Total energy cost savings

Combined energy savings (BTUs)

\$830

91

Average bill savings per unit

Metric tons of CO₂ saved

Confirmed efficiency savings plus projected solar savings







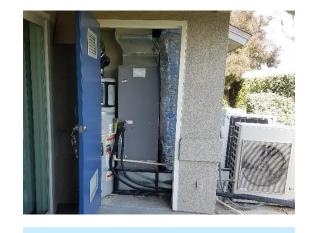
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Real Results: Resident Utility Bill Savings

LIWP-Multifamily analyzes the actual energy use post-construction to confirm that the completed retrofits perform as expected.

One year after construction, the analysis confirms a 44% reduction in actual resident energy use (combined BTU savings) and an **18% cost savings in resident utility bills from energy efficiency and electrification measures alone**. Residents' actual energy and cost savings were calculated using aggregated, anonymized monthly energy bill data from utility providers.

In addition to energy efficiency upgrades, a 110 kW solar array was installed to help further reduce resident energy bills. With more than 93% of the energy production allocated to resident meters, the new solar array is projected to result in an additional 28% energy savings for residents, resulting in annual energy cost savings of over \$30,000 for the residents at Almond Court.



RESIDENT GHG SAVINGS AT A GLANCE



265

times driving the entire CA coast



109

Acres of U.S. forest

