



IT'S JUST SMART BUSINESS

BEND'S AFFORDABLE HOUSING AGENCY MAKES ENERGY EFFICIENT UPGRADES TO HELP LOW-INCOME RESIDENTS SAVE BIG ON UTILITY BILLS

ARIEL GLEN & HEALY HEIGHTS APARTMENTS PROJECT-AT-A-GLANCE

Equipment installed

- Packaged terminal heat pumps, refrigerators, clothes washers, water heaters, LEDs, faucet aerators and showerheads, bathroom ventilation fans

Financial analysis

- \$25,000 estimated annual energy cost savings
- \$56,284 Energy Trust cash incentive
- \$380,000 project cost

Project benefits

- Utility bill savings for residents
- Efficient and controllable heating and cooling in each unit
- Water savings

Estimated annual savings

- 216,000 annual kWh
- 100 tons of carbon dioxide offset

Residents of Ariel Glen and Healy Heights apartments, both located in Bend, are now paying less on utility bills thanks to energy-efficient upgrades installed by Housing Works, the Housing Authority of Central Oregon. Housing Works received free technical services and cash incentives from Energy Trust of Oregon to identify and implement the most effective energy-efficiency upgrades—and pass the savings on to residents.

Housing Works replaced baseboard heaters in 140 apartment units with new packaged terminal heat pumps, which use 28 percent less energy on average and provide both heating and cooling. "Individual baseboard units wouldn't cool down," said Keith Wooden, director of real estate and facilities, Housing Works. "Tenants would open windows just to regulate the heat in each apartment. Upgrading to packaged terminal heat pumps in units was the improvement and solution we needed."

Housing Works also upgraded refrigerators, clothes washers and water heaters with high-efficiency models, and installed new ventilation fans in each apartment. Energy Trust installed free LED bulbs, showerheads and faucet aerators in all apartment units to help tenants save even more energy.

The comprehensive upgrade, which received more than \$56,000 in incentives from Energy Trust, is reducing energy usage at the two locations by saving approximately 216,000 kilowatt hours of electricity annually, and saving the residents of each unit an estimated \$180 annually on their utility bills.



Our collaboration with Energy Trust of Oregon helped us upgrade these properties to more energy-efficient models which helps our low-income residents to reduce utility costs.



Keith Wooden, Director, Housing Works Ariel Glen and Healy Heights Apartments



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Energy Trust of Oregon
421 SW Oak St., Suite 300
Portland, OR 97204
1.866.368.7878
energytrust.org

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