

Greenleaf Apartments



Green retrofit of 55 units in a 4 story mid-rise apartment building in Aurora, Colorado



Scope of Work

Based on the assessments, Archway Housing contracted ICAST to install a number of ECMs at Greenleaf Apartments. Lighting throughout the facility was upgraded from T-12s and incandescent bulbs to energy efficient T-8s, CFLs and LEDs; occupancy sensors were also installed in the laundry and community rooms. For the building exterior and courtyard, the existing flood lights were replaced with

energy efficient high par floods. Windows throughout the complex were replaced with New Cascade Efficiency Flush Fin windows, each of which is dual insulated and designed exclusively for brick applications. Water management upgrades to the facility included the installation of low flow toilets and shower heads, as well as the replacement of existing aerators on bath and kitchen faucets. Energy efficient appliances installed were refrigerators and ranges in all units and the common area. The HVAC system was also to be upgraded through the replacement of thermostats in each unit, and the replacement of the DHW plant. Additionally, a vapor barrier was installed in the crawl space

Savings

- 🌿 Average annual savings of **\$16,528 /year**
- 🌿 **38.5% reduction** in energy costs
- 🌿 **89,906 kWh** saved
- 🌿 **123.5 Tons of CO₂** kept from the atmosphere every year
- 🌿 Residents are saving **over 20%** on energy bills

Financial Details

- Outside Funding Secured
 - ❖ Grant Subsidy 11% of cost
 - Customer Investment
 - ❖ 88 %



Project Narrative

Through ResourceSmart significant energy efficiency upgrades were completed to the Greenleaf Apartment complex in Aurora, Colorado. Greenleaf is a 55 unit multifamily affordable housing community where the residents are enjoying new efficient appliances, lighting, HVAC systems, low flow faucets and low E glass windows etc., that make their homes more comfortable, safe and healthy. The children are ecstatic with their new playground constructed as part of the project. More improvements are planned to upgrade both the interior and exterior of the apartments.

