

ENERGY STAR Multifamily High Rise Building Profile

Heritage Village at Bloomfield

Building Developer:

Community Investment Strategies, Inc.

Licensed Professional:

Doug McCleery, MaGrann Associates

Year Certified:

2016

Construction Type:

New Construction

Sector:

Affordable Housing

Building Description:

Heritage Village at Bloomfield is a new construction, affordable housing development in Bloomfield, New Jersey. This 5-story building offers 82 ENERGY STAR certified units; 74 one-bedroom and 8 two-bedroom.

The wood-framed walls are insulated with R-21 fiberglass batts in the stud cavity and R-38 fiberglass batts are installed in the attic. The slab-on-grade is insulated with 2" of XPS (R-10), vertically for 2 feet. Vinyl-framed, ENERGY STAR certified windows (U-0.24/SHGC-0.25) and great air-sealing strategies complete the envelope. The units were tested for compartmentalization, which was measured below 0.30 CFM50/ft² of enclosure.

Space heating is provided to each apartment with 96% efficient in-unit gas-fired furnaces. Each apartment is also equipped with central air conditioning (SEER 15) and these forced air systems were tested to meet ENERGY STAR requirements for duct-tightness. Refrigerators, dishwashers, common clothes washers, and exhaust fans are all ENERGY STAR certified. High-efficacy lighting is installed inside the units and throughout the common areas. A 95% efficient in-unit electric water heater and low-flow fixtures further reduce energy use in the building.

Energy modeling projects annual energy cost savings of 24%, or ~\$40,000, compared to the same building being constructed to minimally meet the ASHRAE 90.1-2007 standard.

Franklin Street and Municipal Plaza
Bloomfield, New Jersey 07003

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