

ENERGY STAR Multifamily High Rise Building Profile

JBJ Soul Homes

1415 Fairmount Avenue
Philadelphia, Pennsylvania 19130



Building Developer:

Project H.O.M.E.

Licensed Professional:

Kitchen and Associates

Year Certified:

2014

Construction Type:

New Construction

Sector:

Affordable Housing

Technologies Used:

- In-Unit ENERGY STAR certified condensing gas furnaces (96 AFUE) and ENERGY STAR certified split AC provide heating and cooling
- Two 95% efficient gas boilers provide central domestic hot water



Building Description:

JBJ Soul Homes is a 4-story, mixed-use building, with 55 apartments and retail on the first floor. There are a mix of studios and 1-bedroom apartments, as well as a laundry room, community room and other resident amenities.

The wood-framed walls have R-21 fiberglass batt insulation and there are 4" (R-25) of rigid polyisocyanurate insulation at the roof deck. Vinyl, double-pane, argon filled windows have a U-0.32 and SHGC-0.37. The apartment ductwork and envelope were well-sealed to pass ENERGY STAR testing standards.

Apartments have in-unit forced air heating and cooling provided by ENERGY STAR certified condensing gas furnaces and ENERGY STAR certified split system AC. ASHRAE 62.2 ventilation is provided by ENERGY STAR certified bathroom exhaust fans, which run at a continuous low-speed and can boost to higher speeds when occupied. Low flow faucets and showerheads reduce both energy and water consumption. Compact fluorescent lighting and ENERGY STAR certified refrigerators have also been installed in each unit.

Outside the apartments, occupancy sensors for lighting have been installed in most common spaces, further reducing electricity use.

Energy modeling estimates 23% annual energy cost savings compared to ASHRAE 90.1-2007.