

ENERGY STAR Multifamily High Rise Building Profile

SkyHouse Buckhead

Building Developer:

Novare Group

3390 Stratford Road
Atlanta, Georgia 30326



Licensed Professional:

Marc Holland, Jordan & Skala Engineers

Year Certified:

2015

Technologies Used:

- Air source heat pumps (~8 HSPF/13.5 SEER)
- High performance envelope
- Low-flow plumbing fixtures
- ENERGY STAR certified appliances and exhaust fans

Construction Type:

New Construction

Sector:

Market Rate



Building Description:

SkyHouse Buckhead is a 26-story, mixed-use building, with 362 apartments and retail on the first floor. There are a mix of studios, 1-bedroom, 2-bedroom, and 3-bedroom apartments.

The walls have R-13 fiberglass batt insulation between the metal framing and 2" of continuous rigid XPS insulation (R-10) to reduce thermal bridging. There is R-30 of rigid insulation above the roof deck. Thermally broken, double-pane, aluminum frame windows have a U-0.39 and SHGC-0.23. The apartments have 30% less air leakage than allowed by the ENERGY STAR Multifamily High Rise Program.

Apartments have in-unit forced air heating and cooling via efficient right-sized heat pumps with tight ductwork that has less than 8% leakage. 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, dishwashers, and clothes washers have also been installed.

Outside the apartments, occupancy sensors for lighting have been installed in all common spaces, further reducing electricity use. Energy modeling estimates 15% annual energy cost savings compared to the ASHRAE 90.1-2007 Baseline Building.