

# ENERGY STAR Multifamily High Rise Building Profile

## New Courtland at Alleghany

1900 W. Alleghany Avenue  
Philadelphia, Pennsylvania 19132



### Building Developer:

NewCourtland Elder Services

### Licensed Professional:

Chris Blakelock, Cecil Baker + Partners

### Year Certified:

2017

### Construction Type:

New Construction

### Sector:

Affordable Housing

### Technologies Used:

- Low-E Vinyl Windows with 0.29 U-value
- 95% efficient gas boiler
- SEER 14 split-system AC
- 95% efficient central gas DHW
- ENERGY STAR Appliances



### Building Description:

New Courtland at Alleghany is a 6 story, 60 unit building in Philadelphia, Pennsylvania, with one unit bedroom ENERGY STAR Certified units.

The apartments have low-E double-pane vinyl windows (U-value of 0.29 and SHGC of 0.28), R-43 rigid roof insulation, and a combination of R-19 batt insulation in wall cavities. The units were tested at airtightness levels of 0.24 CFM50 per square foot of enclosure, surpassing program requirements by 20%. The level of compartmentalization will reduce resident energy costs, and improve comfort and indoor air quality.

All apartments have a 95% efficient gas boiler, with SEER 14 split AC units. Central domestic hot water is provided by a 95% efficient gas-fired boiler. The gas needed to heat the water is reduced through the use of Water Sense certified showerheads, low-flow faucets, and ENERGY STAR certified clothes washers.

ENERGY STAR certified refrigerators and exhaust fans, as well as efficient lighting fixtures are installed to further reduce the electricity consumption in the apartments of the building.