

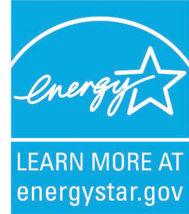
ENERGY STAR Multifamily High Rise Building Profile

Milwaukee Ave Apartments

Building Developer:

Full Circle Communities

3064 N. Milwaukee Ave.
Chicago, Illinois 60618

**Licensed Professional:**

Therese Thompson, Cordogan Clark & Associates

Year Certified:

2016

Technologies Used:

- Low-E Vinyl Windows with 0.28 U-value
- 96% AFUE in-unit gas furnaces
- SEER 14.5 split-system AC
- 96% efficient central gas DHW
- ENERGY STAR Appliances

Construction Type:

New Construction

Sector:

Affordable Housing

**Building Description:**

Milwaukee Ave Apartments is a 4 story, 32 unit building in Chicago, Illinois, with a mix of one and two bedroom ENERGY STAR Certified units.

The apartments have low-E double-pane vinyl windows (U-value of 0.28 and SHGC of 0.32), R-49 blown cellulose roof insulation, and a combination of R-10 rigid insulation and R-13 cellulose 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 96 AFUE in-unit furnace, with SEER 14.5 split AC units. All ducts are tightly sealed, resulting in less than 10% leakage of design CFM. Central domestic hot water is provided by a 96% 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.

The project is modeled with projected cost savings of 15% over a building that meets ASHRAE Standard 90.1-2007.