

50 PENNSYLVANIA AVE

Commissioning, Sustainability &
Solar Consulting

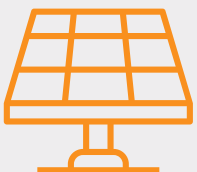
BRIGHT POWER



**ENERGY STAR &
Enterprise Green
Communities
Certified**



**\$150,800 in
NYSERDA
incentives**



**86kW Solar PV
System**

Project Highlights

50 Penn is a high-quality mixed-use, sustainable, and 100% affordable housing complex in the Cypress Hills neighborhood of Brooklyn complete with access to healthy food choices for residents.

Located within a recently rezoned area of East New York, the new building includes 218 apartments designed for multifamily occupancy, with green features including a solar photovoltaic installation. 42 of the new apartments are dedicated to formerly homeless and elderly households and 100% of all units are permanently affordable.

The Challenge

Build multifamily housing to meet both **ENERGY STAR** and Enterprise Green Communities requirements.

Design and install a combined pergola and ballasted 86 kW-DC solar photovoltaic system.

Develop design solutions that

- Optimizes energy performance
- Decreases projected long-term operating costs
- Provides tenant comfort

Our Role

Energy Modeling

Enable project teams to understand building functionality, future uses, & efficiency

Solar Design and Installation

Provide clean, renewable electricity to the building through thoughtful solar panel design

ENERGY STAR Multifamily High-Rise Certification

Achieve energy efficiency while improving tenant comfort

NYSERDA New Construction Program

Offer technical guidance throughout the project

Commissioning

Ensure systems were installed and tested to meet energy code and building performance certification criteria

Results



Projected Savings

27% source energy savings
32% source energy savings with solar



Incentives

Secured \$150,800 in NYSERDA NCP



Certifications

Energy Star Certified
Enterprise Green Community Certified



Commissioning

2016 NYCECC Compliance

Our partners on this project include Dattner Architects, a New York City-based design firm, who designed this building and Pennrose Properties, a nationally recognized real estate development and multifamily property management group, who served as developer of the property.