

Gourmet Guru

Bronx, NY, Bronx County

Background

Gourmet Guru is building a renovated 24,000 square foot gourmet food distribution center in the Bronx, NY, that includes a two-story office and refrigerated warehouse space. Gourmet Guru has committed to a reduction in electrical and thermal energy use, optimizing the energy efficiency of the entire building, as well as obtaining LEED certification for the new facility. The applicant qualified for seven LEED Energy and Atmosphere Optimize Energy credits, based on the project's design. Ambrosino, DePinto & Schmieder (ADS) was retained by NYSERDA to evaluate electric energy efficiency opportunities for the new facility, under the New York Energy Smart New Construction Program.

Recommendations

ADS identified cost-effective improvements to the building and building systems that will reduce its energy consumption, decrease utility distribution system demands, increase occupant comfort, and decrease the environmental impacts of the construction process.

Among the energy efficiency improvements implemented in the building were:

- High efficiency rooftop units
- Improved envelope for refrigerated space
- High efficiency refrigeration system
- Lighting occupancy sensors
- High efficiency lighting
- Loading dock seals
- Demand control ventilation for office space

Incentives and Results

NYSERDA's incentive of \$141,888.00 helped Gourmet Guru defray a portion of the implementation costs to install the efficiency improvements. In total, the Gourmet Guru investment could result in:

- Annual Energy savings of 241,181 kWh
- Peak demand savings of 62 kW in the summer
- Annual Energy Cost savings of almost \$43,510
- Simple payback (after incentive) of four years for project

The expected energy savings of the new Gourmet Guru project are expected to be 32.6% above the baseline, based on ASHRAE 90.1 2004, Appendix G requirements.



"I can truly say that one of the greatest challenges of this project was choosing the most cost-effective building technology alternatives. NYSERDA's technical assistance support really made a difference."

- Jeff Lichtenstein