

CORNELL CENTRAL ENERGY PLANT OFFICE BUILDING LEED GOLD RATING



The office building for the Central Energy Plant achieved a LEED™ Gold rating

In addition to delivering energy to the campus more efficiently via the combined heat and power plant, the office for the plant staff was designed with sustainability in mind. Our efforts have been recognized by the US Green Building Council by achieving a LEED Gold Rating, achieving 44 out of 69 possible points.



Sustainable Design Features

Energy and Atmosphere:
16 out of 17 points

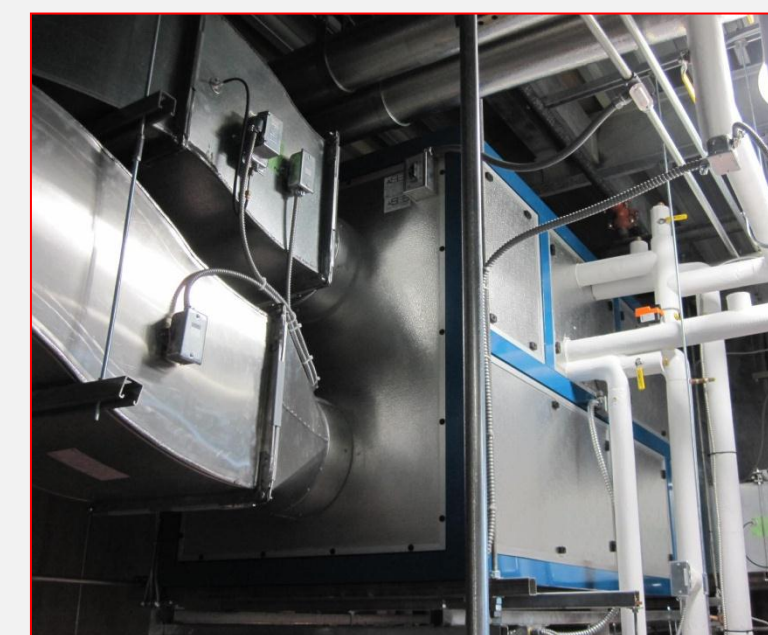


On-Site Renewable Energy
A rooftop solar thermal system provides hot water for building heating and for shower/service water use, significantly reducing the amount of natural gas consumption.



Building Envelope
Increased insulation for walls (R-30) and roof (R-50)

Heating and Cooling
Chilled beam cooling and radiant floor heating



Energy Recovery
Ventilation is provided by a dedicated outdoor air system with heat recovery. Lighting, ventilation, heating, and cooling are occupancy sensor controlled in the spaces to conserve energy.

Sustainable Sites:
7 out of 14 points



Alternative Transportation and Community Connectivity Bike racks and shower facilities are provided for building users. In addition, the facility is conveniently located to neighborhood services, including public transportation.

Reduce Heat Islands
Highly reflective roof materials reduce the urban heat island effect

Water Efficiency:
4 out of 5 points



Water Use Reduction:
Flow flow fixtures reduce water usage

Materials and Resources:
4 out of 13 points



Renewable Materials
Natural linoleum flooring comprised of renewably harvested materials was utilized throughout the office space

Indoor Environmental Quality:
8 out of 15 points

Low-emitting materials Low emitting materials were used for paints, adhesives, and flooring

Innovation:
5 out of 5 points

Exemplary Energy Performance: The building energy cost savings and percentage of renewable energy use enables recognition for exemplary building energy performance

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