

Clifton Park-Halfmoon Public Library

Clifton Park, NY

Background

The Board of Trustees of the Clifton Park-Halfmoon Public Library received authorization from Library District voters to construct a new 55,000-square-foot, two-story public library on an 11-acre site on Moe Road in Clifton Park. The new library will serve the communities of Clifton Park and Halfmoon, and will be constructed on property formerly owned by Elizabeth Tourtellot, who requested that her family's land "...be sold to a church, school, or library."

With a goal to construct an energy-efficient building that provides a quality indoor environment for its patrons, and respects the environmental features of the land on which it is to be built, the Board of Trustees contacted the New York State Energy Research and Development Authority (NYSERDA), which provided technical support to the architectural/interior design firm of Woodward Connor Gillies & Seleman.

Recommendations

Taking part in the New Construction Program, EME Group, a NYSERDA technical consultant, identified cost-effective, energy-efficient measures that could be implemented in the design of the building. These measures will reduce energy costs, add to the comfort of the patrons, and make a significant contribution to the building's aesthetics:

- High-efficiency windows,
- Additional building insulation,
- High-efficiency lighting with occupancy controls,
- Advanced daylighting strategies,
- High-efficiency cooling and air-handling systems, and
- A digitally controlled building management system.

"On this day, June 9, 2005, we break ground for our new library. A library that will serve this community well into the 21st century. On this historic occasion we pay respect to all those who have worked so hard over the years and who have contributed to the growth and success of our library, and we thank NYSERDA, which has offered us technical and financial assistance to meet our goals."

– Christene Thurston, Library Board President

Incentives and Savings

The Trustees achieved certification by the United States Green Building Council's Leadership in Energy and Environmental Design (LEED®) Program for the new facility. As a result, NYSERDA paid an incentive of \$408,138 paid some of the added costs pertaining to not only the energy-efficiency measures and the daylighting system, but also the LEED® certification process.

The Trustee's and NYSERDA's efforts will result in:

- Annual energy savings of over 382,000 kWh,
- Peak demand savings of 121 kW in the summer and 168 kW in the winter, and
- Annual cost savings of more than \$55,000.



To find out how you can reduce your energy consumption and costs, visit NYSERDA.NY.GOV.