

## **Green Buildings - Library Clifton Park-Halfmoon Public Library Clifton Park, New York**

### **Program**

NYSERDA New Construction Program

### **Scope of Services**

- Project Scoping
- Design Assistance
- DOE-2.1E Whole Building Modeling
- Green Building Services
- EEM/Sustainable Design Coordination
- Cost Benefit Analysis
- Incentive Calculation & Reporting
- LEED Optimize Energy Performance
- LEED Fundamental Commissioning
- LEED Additional Commissioning

### **Level of Involvement**

NCP Technical Assistance Provider  
LEED Commissioning Authority

### **Facility Size**

55,000 sq. ft.

### **Facility Type**

Library

### **Project Results**

Achieved LEED-NC v2.1 Certification

### **Project Costs**

Incremental Cost: \$688,450

Simple Economic Payback: 12.4 years

The Towns of Clifton Park and Halfmoon constructed a 55,000 square-foot, two-story public library on a 10.9-acre site. The new public library houses a collection of literature, literary and media resources, and a local history collection. The library provides computer and internet access and resources for the residents, students and small businesses located within these townships. As a part of the construction project, the Library Board of Trustees wanted to incorporate additional energy efficiency into the design and were also interested in attaining a United States Green Building Council (USGBC) LEED®-NC certification. During the design process, EME Group led a LEED Charrette that identified 29 "potential" points, which would be sufficient for the library to earn a LEED-NC Certification.



**Clifton Park-Halfmoon  
Public Library**

Working with Design Team, we identified and analyzed efficient system alternatives, for the purposes of selecting the most energy efficient building systems. The proposed design yielded energy cost savings in excess of 30% when compared to the NYS Energy Conservation Construction Code and as a result was awarded NYSERDA's High Performance Building Plaque.