

Monroe Community College PAC Center

Rochester, NY— Monroe County

Background

Monroe Community College constructed a 58,000-square-foot addition to building 10 on the Brighton Campus. The new building addition includes a 38,000-square-foot field house and 20,000 square feet of office, locker room, and athletic training type spaces that are used year round for indoor athletic training and sports-related meetings.

Erdman Anthony was retained by NYSERDA to evaluate electric energy-efficiency opportunities for the major renovation and addition under the New York Energy Smart New Construction Program.

Recommendations

Erdman Anthony identified cost-effective improvements to the building and its systems that will reduce its energy consumption, decrease demands on the utility's distribution system, and increase occupant comfort.

Among the energy-efficiency improvements implemented in the building were:

- High performance building envelope.
- High efficiency lighting & occupancy controls.
- Variable volume air handling system.
- Demand-controlled ventilation.
- Exhaust energy recovery.

“NYSERDA has been a valuable contributing member of our team on several successful projects for Monroe County. Their local program outreach manager helps guide us through the process, and their technical assistant provides us with the analysis that is essential in identifying energy saving measures with reasonable paybacks. In addition the NYSERDA new construction grants often are the difference between “go” and “no-go” implementation of energy measures. Over the years we have developed an excellent working relationship with NYSERDA, and we look forward to a continuation of our partnership in the future.”

– Reinhard Gsellmeier



Incentives and Results

NYSERDA's incentive of \$123,584 helped Monroe Community College defray a portion of the implementation cost to install the efficiency improvements. In total, the investment could result in:

- Annual Energy savings of more than 201,285 kWh.
- Peak demand savings of 107 kW in the summer.
- Annual Energy Cost savings of almost \$65,849.

Monroe Community College PAC Center is 33% above the energy code that was used for this project.



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