



General Information

Location: 115 Girard Ave., Newport, RI 02840
Scope: 16,800 square feet, new construction
 5,000 sqft of sheltered exterior program space
Cost: \$8.8 million (including land purchase)
Completion: January 2014
Enrollment: 180 high school students
Project Team
 Architect: Robinson Green Beretta Co.
 Engineering: Odeh Engineers/ Stantec, Inc.
 Construction: Gilbane, Inc.



Project Overview:

The **East Bay MET School**, located in Newport, Rhode Island, was designed as the first net-zero public school facility in the region. The brand-new, state-of-the-art, 16,800 square-foot facility opened for classes in early 2014 and accommodates 180 high school students and 25 staff.



In order to achieve zero net energy, the building is designed to take advantage of renewable energy sources available on site and minimize energy consumption with an air-tight, well-insulated exterior envelope. The staffs and students at East Bay MET School are also committed to the efficient use of the facility by exploring innovative ways of using the building as a teaching tool to learn about sustainability, green technologies, and the environment. The project is expected comply with the **RIDE School Construction Regulations** and the **Northeast Collaborative for High Performance Schools (NE-CHPS)** protocol and is intended to provide a model for school construction across the state and the region.

MET School’s Commitment to Sustainability

The MET School is committed to the three pillars of operating and educating in a green school:



- **Environmental Impact of Facilities- Net Zero**
- **Place-based Learning - School as a Teaching Tool**
- **Indoor Environmental Quality and Health of Students and Staff**

The MET School has an active ‘*Green Team*’ - a highly motivated and empowered group of stakeholders - including principals, teachers, facility managers, students, nurses, and parents - that help create and sustain healthy, high performance learning environments for its students.

Paul W. Crowley Metropolitan Regional Career and Technical Center

Newport, Rhode Island



“The greatest aspect of this school is the incredible indoor air quality.”

Net Zero Facility:

- Maximize natural day lighting through building orientation.
- 150kW Photovoltaic system
- Air tight building enclosure
- Super insulated shell
- “Cool roof”
- Innovative ventilation system
- Geo-thermal heat pump
- LED Lighting/ Day Lighting Control
- Water efficient fixtures
- Rainwater Harvesting

Taylor Rocc,
Teacher, East Bay Met School



School as a Teaching Tool:

- *Recycling Program*
- *Energy Tracking w/ EPA Portfolio Manager*
- *Drinking water sampling program*
- *School/Community Garden*
- *Green Team*
- *Indoor Environmental Management Plan*
- *Integrated Pest Management Plan*

This case study was prepared by NEEP with information provided by RIDE. To learn more about this project, please contact Manuel Cordero (Manuel.Cordero@ride.ri.gov). For more information about NE-CHPS, contact Carolyn Sarno, NEEP Senior Program Manager, High Performance Buildings, at csarno@neep.org or 781-860-9177 ext. 119.