Nathan Bishop Middle School

Providence, RI

"Historic buildings can be high performance"

Project History

Nathan Bishop Middle School is an existing 4-story Georgian Revival Style building constructed in 1929. It was one of the first projects designed under the new RI-DOE regulations, which included the adoption of the NE-CHPS protocol.

Nathan Bishop was on the top of Providence Preservation Society's 2007 Most Endangered Properties List, but was recently taken off the list as a result of close collaboration between the City of Providence, School Department, East Side Community, Providence Preservation, RIDE and the professional team. Nathan Bishop will open in the fall of 2009 as a High Performance Historic Building.

Nathan Bishop – Existing Building

Nathan Bishop Middle School was designed by Architecture Involution, Inc (Ai3). Information and imagery provided by Ai3.

Northeast-CHPS Scorecard for Nathan Bishop Middle School

	NE-CHPS Protocol Required Credits	Nathan Bishop Proposed Credits
Policy & Operations	2	2
Indoor Environmental Quality	4	11
Energy Efficiency	2	7
On-Site Renewable Energy	0	1
Water Efficiency	1	9
Sustainable Materials	3	7
Site Selection & Layout	2	7
Innovation	0	2
Total	**14**	**45**

The Northeast High Performance Schools Protocol (Northeast-CHPS) is a building criteria administered by NEEP to provide premium educational environments and meet state mandates and performance based incentive programs for new school construction and renovation. Northeast-CHPS is consistent with the best national practices for designing and building energy efficient, sustainable, high performance green schools.

Nathan Bishop Middle School

High Performance Features

Indoor Environmental Quality

- 100% classrooms have access to views
- 100% classroom include day lighting strategies
- Low-glare lighting systems throughout
- Permanently installed entryway walk-off system (15 feet in length)
- 100% classrooms comply with the enhanced acoustical requirements (ANSI 12.60-2002)

Energy Efficiency

- 40% energy savings (as measured in energy) over a comparable baseline building that meets the requirement of ASHRAE standards
- Projecting a savings of over $90,000 in annual operating costs.

Water Efficiency

- Single temperature fittings for student toilet rooms and locker rooms.
- Low flow toilet fixtures
- NO irrigation for landscaping
- Use of 20,000 gallon rainwater collection system for toilet flushing.

Sustainable Materials

- Environmentally friendly - low-emitting VOC materials
- On-site recycling program
- Recycle, reuse and/or salvage of greater than 50% of non-hazardous construction and demolition waste
- Building Re-use

For more information, contact:

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