

NORTHEAST-CHPS

NORTHEAST COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS PROTOCOL

The mission of the Northeast Collaborative for High Performance Schools Protocol (CHPS) is to encourage the construction of schools that provide premium educational environments. It outlines a set of criteria for meeting state mandates and/or performance based incentive programs in new school construction and renovation.



Nathan Bishop Middle School in Providence, RI is a NE-CHPS historical renovation

Northeast-CHPS is:

- A building criteria based on policy requirements; indoor air quality standards; energy and water efficiency principles; renewable technologies; site selection considerations, materials and innovation;
- Adapted from an established California protocol to fit the **Northeast climate**;
- Reviewed by state departments of education and the regional branch of the Lung Association;
- A guideline that incorporates all the features and benefits of **high performance school design**, such as:
 - Healthy indoor environment
 - Efficient use of energy
 - Thermal, visual and acoustical comfort
 - Ease of maintenance and operations
 - Cost effective by design.
- Free training and technical assistance is available for design teams, contractors and school districts.

*According to the New England Asthma Council, one in 10 children and adults will develop asthma due to poor indoor air quality. A school designed to the **Northeast-CHPS** criteria significantly reduces indoor pollutants that affect health, learning and behavior.*



Library at Profile School, Bethlehem, NH Image: Lavallee Brensinger

The annual energy costs in America's primary and secondary schools is a staggering \$12 billion. If all new school construction and school renovations went green starting today, energy savings alone could reach \$20 billion over the next 10 years (*American School and University, EPA and NCES*). A school designed to **Northeast-CHPS** guidelines is cost effective, energy efficient and environmentally friendly.

Northeast-CHPS 2.0 for New Construction and Major Renovations now available

Northeast-CHPS is administered by Northeast Energy Efficiency Partnerships (NEEP). For more information, contact Carolyn Sarno, at csarno@neep.org or 781-860-9177, ext. 119; or Susy Jones at sjones@neep.org 781-9177, ext. 120

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How does NE-CHPS compare?

NE-CHPS 2.0 for New Construction and Major Renovations sets a high bar in areas such as policy & operations, indoor environmental quality and energy efficiency. NE-CHPS ensures a well-rounded high performance school environment, **requiring** features like: 25% greater efficiency than ASHRAE 90.1 2007, daylighting, mold prevention and maintenance and staff training. NE-CHPS schools are not only built to high performance standards, but they adopt policies so that schools also operate to their highest potential.

NE-CHPS 2009			LEED for Schools 2009		
Category	Prerequisites	Elective Credits	Category	Prerequisites	Elective Credits
Policy and Operations	8	5	-----	-----	-----
IEQ	19 (NC*) 20 (R*)	9 (NC) 10 (R)	IEQ	3	10
Energy	6	10	Energy & Atmosphere	3	6
Renewables	--	7			
Water	1	6	Water	1	4
Materials	3	7	Materials	1	7
Site	4	10	Site	2	10
Innovation	--	3	Innovative Design	--	3
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Total	41 (NC) 42 (R)	55 (NC) 56 (R)	Total	10	41

*(NC) = New construction; (R) = Renovation

NE-CHPS works with states: States have the option to adapt NE-CHPS to meet their educational priorities. New Hampshire, Rhode Island and Vermont have state-specific requirements. Visit neep.org for more for information.

Massachusetts and New York have also adapted CHPS for use in their states. Visit www.chps.net to find out more about MA-CHPS, NY-CHPS, and national CHPS activity.

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NE-CHPS
Schools Built

15+

Schools
In Progress

Download NE-CHPS 2.0 at www.neep.org