

The Opportunity & Need for High Performance Schools in RI

John Balfe March 21, 2019

Northeast Energy Efficiency Partnerships

"Assist the Northeast and Mid-Atlantic region to reduce building sector energy consumption 3% per year and carbon emissions 40% by 2030 (relative to 2001)"

Mission

We seek to accelerate regional collaboration to promote advanced energy efficiency and related solutions in homes, buildings, industry, and communities.

Vision

We envision the region's homes, buildings, and communities transformed into efficient, affordable, low-carbon, resilient places to live, work, and play.

Approach

Drive market transformation regionally by fostering collaboration and innovation, developing tools, and disseminating knowledge





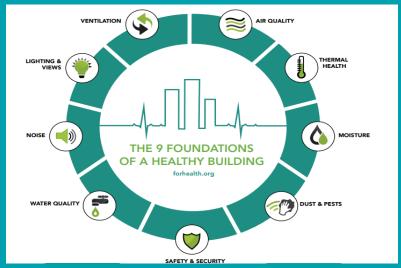
High Performance Schools

The Comprehensive Benefits

Energy: Utility Costs in N. Providence fell by ~49% from 2010 to 2013 (source)

Acoustics: Exposure to noise negatively correlates with children's learning outcomes and cognitive performance (source)

Air Quality: Increased ventilation rates result in higher test scores in elementary schools (source)



Existing Buildings

What can be done?

- Building Energy Benchmarking
- Focus on Operations and Maintenance
- Training and Education
- Connect with Utility Programs

Study: Buildings benchmarked for three straight years realized a 7% total savings over that period (source).



Around the Region

Trends and Opportunities

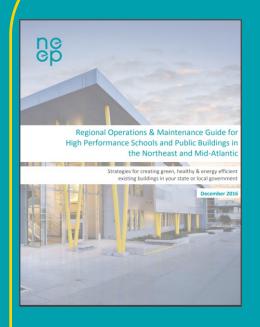
- Technical Assistance
- Zero Energy Schools
- Existing Buildings

- Performance Data
- Workforce Development





Other Free NEEP Resources







Air Source Heat Pumps – Renters Checklist – Home Energy Management Systems NEEP Blog – Strategic Electrification – Building Energy Labeling

