Goal: A Net Zero School!

A net zero carbon building is highly energy efficient and fully powered from on-site and/or off-site renewable energy sources.

Definition: World Green Building Council
Why Net Zero?

• Eliminates carbon emissions
• Second most important feature requested for the school project -- Sustainability
• Meets Lincoln’s 2008 80% fossil fuel reduction standard
• It’s do-able!! e.g., Lexington & Cambridge
How Will We Do It?

• Design and build an energy-efficient envelope
• Include modern, efficient HVAC equipment
• Ask students and staff to monitor electricity
• Achieve Energy Use Intensity (EUI) of 23
• Add solar panels on school roof and parking
  – SBC, FinCom and GEC committed to using a Power Purchase Agreement (PPA) for solar panels
  – No up-front cost. Still Net Zero!!
Lincoln’s Green Leadership

- Always a leader in environmental conservation
- One of the first Green Communities in MA
- The Lincoln School - a model for the state
  - First Net Zero school renovation in MA
  - Renovation and reuse of existing building
    - Retains energy embodied in old materials
    - Minimizes demolition waste

Lincoln Green Energy Committee
October 2018
GEC Supports this Project!

• Amazing opportunity for Lincoln
• Timing is right: technology and incentives
• Biggest project in the town
• Lasts for 30+ years
• Town-wide support of conservation and sustainability
• Ongoing challenge that will demonstrate what Lincoln can do working together, shared values
• An inspiration for all of us!!