



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



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!!