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## Carbon Emissions Reduction Strategies:

- Incorporation of Passive Systems for Building Design:
  Use of Natural day-lighting in buildings
  Daylight reduces the need for electric lights, contributing significantly to energy conservation.
  Passive Heating and Cooling

## 3. Use of Solar Photovoltaic System:

- PV panels supply 50 percent of the electricity for the classroom. As the classroom building requires much less hot water than do the dining hall and lodges, so it makes sense to convert the sun's heat energy into electricity there.
- 4. Use of Green Insulation and Building Materials
  - Mineral wool Insulation contains an average of 75% post-industrial recycled content. It doesn't require additional chemicals to make it fire resistant, and it can be used in two different insulation forms.