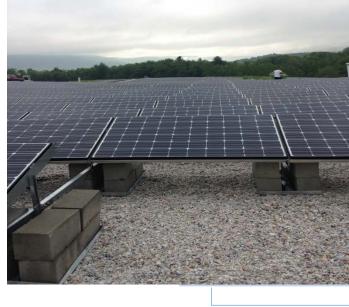


Abstract

Our project focused on addressing the problems associated with solar energy's land consumption and utilizing the land occupied by closed landfills. Through research associated with siting photovoltaic solar installations on closed landfills, Leicester Landfill was found to be a viable site for a solar installation that could provide the community with significant amounts of clean energy.





Problems

Solar Requires Large Amounts of Land

Green on Green Harm

Numerous Unused Landfills

Background

- Landfill has to be inactive and capped for solar field use
- 466 currently inactive landfills in Massachusetts alone and an estimated 100,000 closed landfills across the United States
- Important Siting Considerations:
 - Proximity to transmission lines
 - Road access
 - Water runoff
 - Topography/Shading
- Green energy is provided while revitalizing this unused land

Reclaimed Land for Solar

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