Turning a Legacy Landfill into an Asset

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Presentation Outline

I – About GBB and MSB
II – Challenges of Legacy Landfills
III – A Brighter Way to Close a Landfill
IV – The Edison Landfill Project
V – Questions
THE CHALLENGES OF LEGACY LANDFILLS
“Legacy Landfill” is a landfill that ceased operations prior to January 1, 1982, and received household, commercial or industrial solid waste for disposal.
Challenges of Legacy Landfills

- Unlined and uncontrolled
- Closure and post-closure often unfunded
- Quantity, location and nature of wastes undefined

NJAC 7:26-2A.9 does not require Closure and Post-Closure Plan

Legacy Landfill Law, June 26, 2013

A BRIGHTER WAY TO CLOSE A LANDFILL
Source: PV Navigator

NJ Landfill Solar Projects as of 2012

<table>
<thead>
<tr>
<th>Operational</th>
<th>Design</th>
<th>Pre-Design</th>
<th>Preliminary</th>
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<tbody>
<tr>
<td>6 Projects</td>
<td>5 Projects</td>
<td>7 Projects</td>
<td>12 Projects</td>
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<td>17.9 MW</td>
<td>15.9 MW</td>
<td>25.2 MW</td>
<td>73.1 MW</td>
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Geomembrane Solar (Atlanta)

THE EDISON LANDFILL PROJECT
Summary of Project

- 35 Acre Edison Landfill (post 1982)
- 35 Acre legacy landfill (pre 1982)
- Current closure fund insufficient
- Seeking a Design Build Own Operate (DBOO) contractor to close both sites and install utility-scale solar array

Project Goals

Environmental protection
- Engineered cap
- Environmental controls
- Long-term care

Renewable energy
- Utility-scale electrical generation

Savings to the Township of Edison
- Reduced closure/post-closure costs
- Lease or other revenues
What Makes This Project Different?

- Combined landfill closure and utility-scale PV project
- Request for Proposals to be issued (not a bid)
- Expected reduced construction costs
- Economics of PV project to support closure saving Township money

Project Schedule

- Closure Plan (9-12 months)
- Request for Proposals (6-9 months)
- Construction (24-36 months)
Thank you!

Questions and comments?

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