



Repurposing Contaminated Land

Introduction to Brightfields Development

Brightfields re-develops brownfield sites with Photo-voltaic (PV) Panels

- Brightfields / Renova specializes in repurposing contaminated land with Solar PV
- Renova has over two decades of Brownfield experience with a \$300mm financial investment partner
- Brightfields / Renova are working with Municipalities and Fortune 100 companies to develop 100MW of solar power on brownfields in 4 states

Why install solar PV on your landfill?

Solar PV

- Generates low cost green energy for ~ \$0.18/kWh
- Solar panels have 25+ year life span
- Repurposes dormant property

A 1,000 kW of solar PV in Puerto Rico will

- Fit on 4 to 5 acres of level brownfield land
- Supply annual load of 200 homes (1,450,000kWh/yr)
- Create 50 construction jobs

What are the risks?

- Environmental issues mean municipality risk
- Solar field design has to incorporate concerns for contaminants and storm water management
- Panel maintenance cannot impact the cap integrity
- Requires an experienced environmental team
 - Thoughtful design to avoid damage
 - Long term maintenance for the life of PV system

Why Brightfields Development?

Unmatched Remediation Experience

- We currently own and manage over 600 acres of brownfields including 7 landfills
- \$300 million Joint-Venture with Prudential (\$35 billion market cap.)
- 160 brownfield redevelopment projects completed

Utility Scale Power Expertise

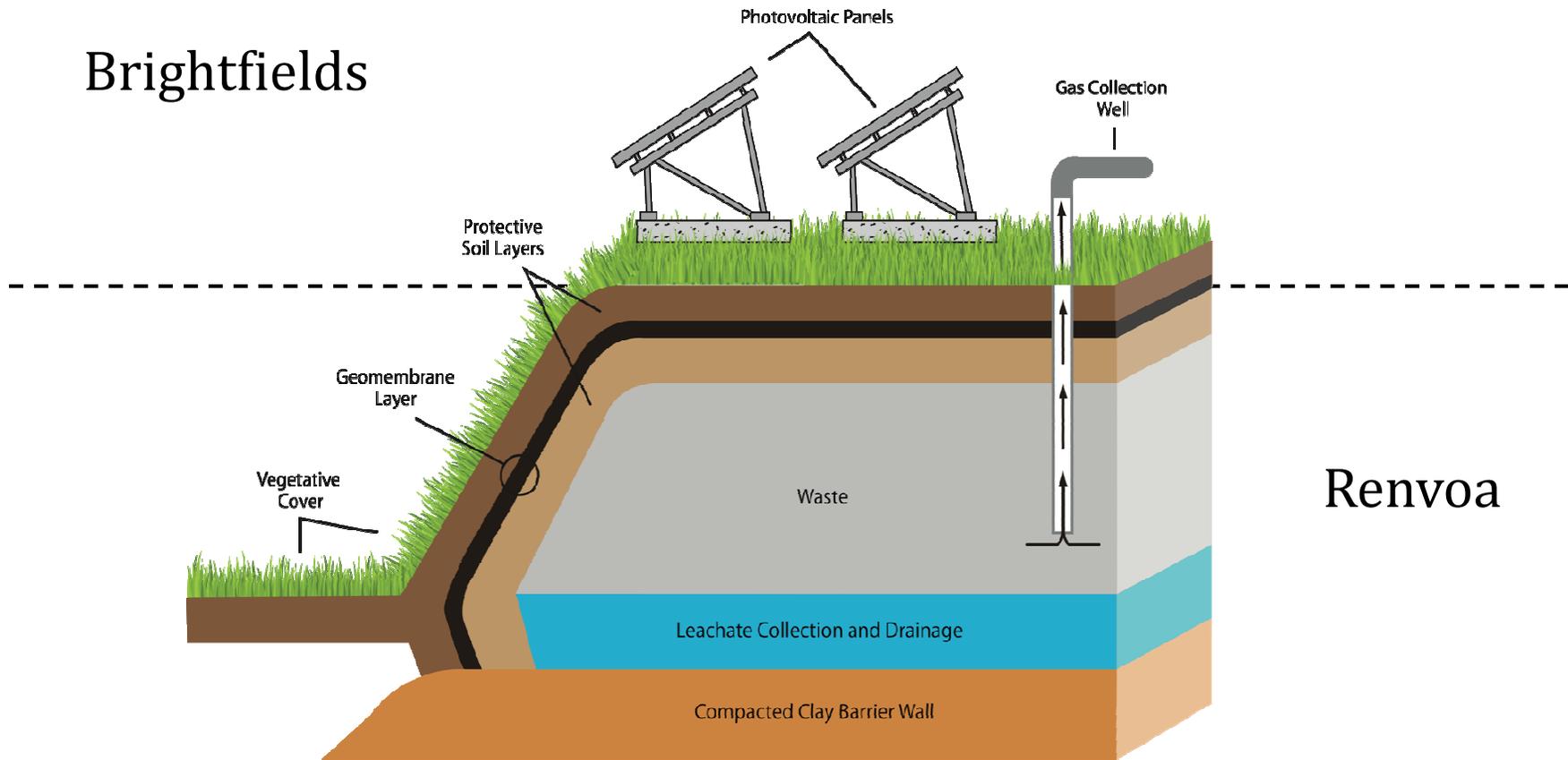
- 15 major power projects developed and built nationwide
- Conventional, renewable and hybrid fuels
- Our expertise covers the entire development cycle

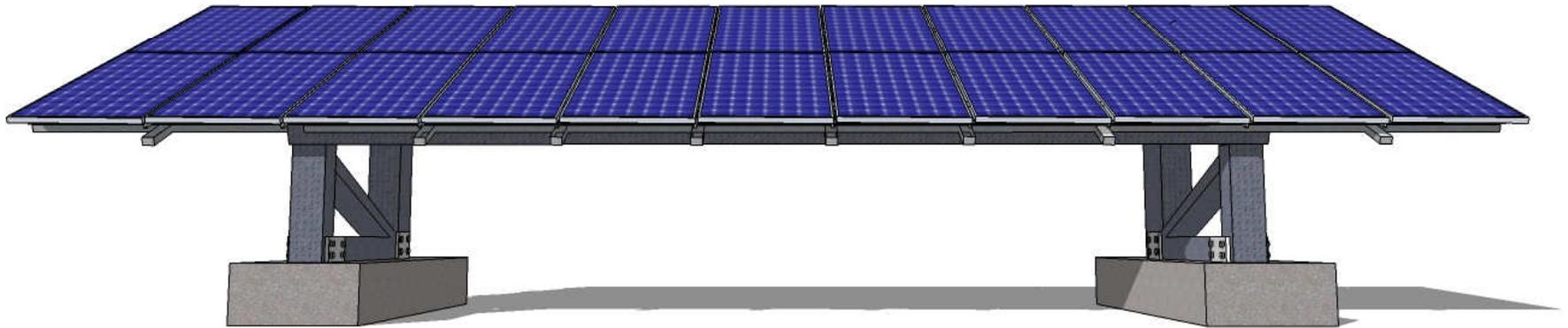
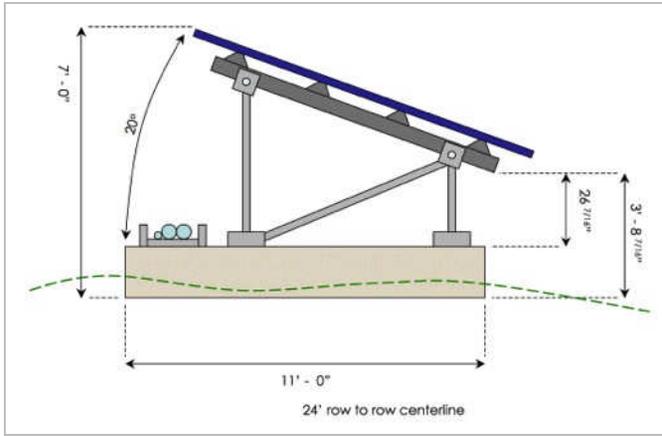


Partnership

Brightfields

Renvoa





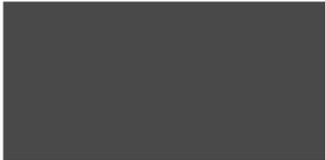


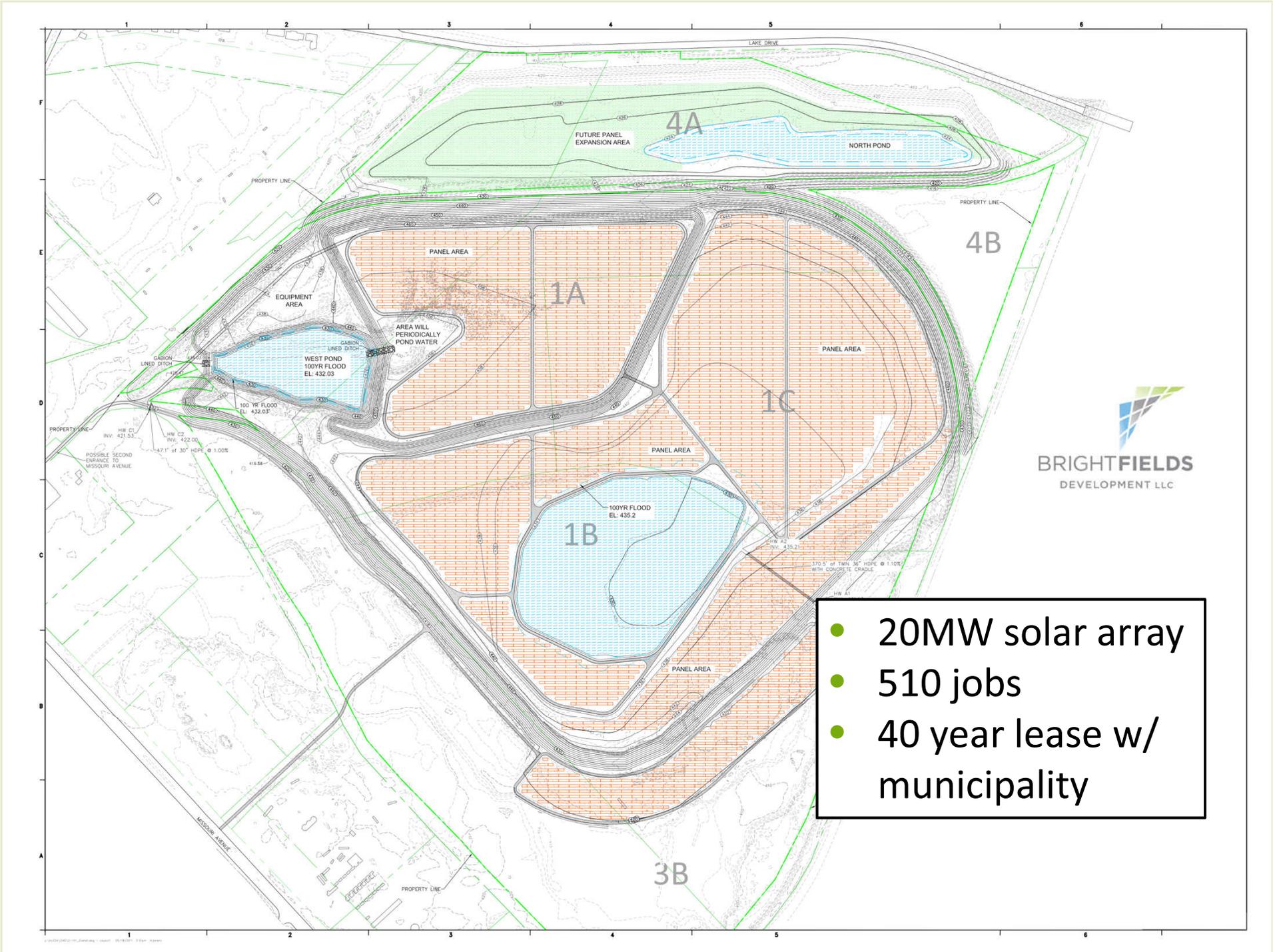
Scituate, MA Landfill Solar Project

- 3.0 MW solar farm on a municipal solid waste landfill
- Electricity Production – 3,725,000 kWh/yr
- Emissions Reduction- 2,250 metric tons/yr
- Power Impact– 3,200 homes during peak hours, equivalent to annual needs of 450 homes
- Job Creation – 50 construction jobs
- Financial Impact – Project provides combination of energy cost savings and lease and tax revenues to the host community









- 20MW solar array
- 510 jobs
- 40 year lease w/ municipality

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