

Summary of Project Navigator, Ltd.'s PV Solar Development at the Somerdale Road Landfill, Gloucester Township, NJ



Photo captured post-construction by drone in August 2016.



3.1 MW photovoltaic solar facility utilizing Trina's Utility Modules 315W, and GameChange's™ Pour-In-Place Ballasted Ground Mount System.

Who

- A Team led by Project Navigator, Ltd. (PNL) was the project developer/integrator
- PNL specializes in developing small scale distributed solar facilities on urban landfill sites
- Design and final construction by Miller Brothers, NJ
- All permitting, interconnect and environmental tasks (e.g. interactions with NJDEP) performed by PNL

What

- A 3.1 MW PV solar development
- Fixed-tilt, rack-mounted, self-ballasting
- Occupies 12 acres of the landfill's top deck areas
- Racks and pour-in-place footings were specifically designed for landfill cap installations
- No long-term cap damage
- Surface water management appropriately designed

When

- All permitting and design completed by 1st Qtr 2016
- System installed and operational by Dec 2016

How

- PNL and the Township of Gloucester entered into a Land Lease Agreement which included the ability to use the landfill top deck for 20 years
- Project was primarily debt financed
- Project economic feasibility was reliant on the capturing of solar renewable energy credits