PatriotSolarGroup

Case Study D.

487 kW Fairhaven, MA

Name: Fairhaven Landfill
Location: Fairhaven, MA
Install Completion: November 2012
Project Size: 487 kW
Panel Type: 60 Cell - 250W
Racking Type: Fixed Tilt - Ballasted Ground Mount
Terrain: Landfill
Installation Services: Racking Assembly
General Contractor: Dynamic Energy USA

Project Overview

Dynamic and Patriot have been working together since 2012 on a number of ground mount projects, both post driven and ballasted. Fairhaven Landfill emerged onto the radar in October 2012, with a year-end deadline rapidly approaching.

During that same time period, Patriot's installation crew was deployed in central Massachussets, halfway through completion of a 3.4MW ground mount array. Project managers, on both sides, worked together to quickly coordinate material delivery and laborers for racking installation.

Inclement weather was also an obstacle because of high winds and torrential rain associated with Hurricane Sandy.

Why Patriot Solar Group?

- Over 20 years of manufacturing and design expertise.
- Vast amounts of inventory ready to ship. High capacity/ high production manufacturing.
- Custom Engineering to meet any design criteria.
- Wet stamp drawings provided at no cost for project sizes 500kW and above.
- Patriot offers site prep and installation services for any size project.
- Renowned customer service and in-field technical support.
- Made in USA – BAA & ARRA Compliant. 10 year structural warranty.

Project Objectives

- Deliver entire racking system inclusive of ballast blocks in the less than 4 weeks.
- Install entire racking system in 2 weeks with a 5 man crew.
- Minimize impact on landfill cap during wet soil conditions.
- Engineer racking system to follow land contours up to a 10 degree slope and meet all building codes.

Project Results

- Ballast racking material was delivered in 3 weeks from PO because of large inventory in stock and concrete forms already deployed in MA.
- Racking installation was completed in 2 weeks, allowing sufficient time for electricians to assemble modules.
- Ballast design and racking system met all design criteria including a 110MPH wind load and low PSF weight.

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