

Overview

**2.3 MW (DC) PV Installation
~ 11 acre Landfill site
Easthampton, MA**

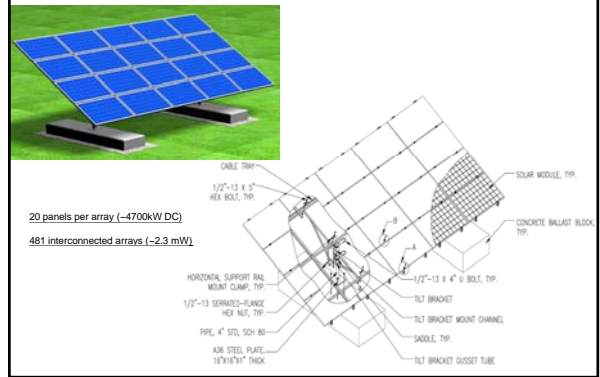
Progression

- 2008 Master Plan – recommendation to promote significant alternative energy production.
- Initial analysis – site feasibility for wind and solar. 10-12 months
- Plan formulation – internal review with Finance, Public Works, Planning and Inspection Services. 90 days
- Citizen involvement – establish zoning review process and initiate neighborhood interaction. 3-5 months
- Procurement/Negotiation – MGL Chapter 25A 4-6 months
- Negotiation, Permitting and Construction process 1+ year

Layout Concept



System Design



System Overview

Total System Size:	2,360.7 kW DC
	1,991.1 kW AC
Approx. Total System Square Footage:	226,070 SF
PV Panels:	(9620) Yingli YL235P-29b
Inverters:	(4) SMA - SC500HE-US
Racking System:	Ballasted Solarflex Rack @ 30°
Estimated Annual Production:	2,828,000 kWh



Financial & Environmental Savings

UCPA Terms	
UCPA Starting Rate	\$0.060
UCPA Annual Escalation Rate	0.00%
UCPA Agreement Term	10 Year

Ave 1st Year Utility Savings per UCPA kWh Produced: \$0.089

Financial Return	
Net Present Value of Investment at 5%	\$1,896,299
10 Year Cumulative Cash Flow	\$1,430,122



Carbon Dioxide (CO2) is a major contributor to global warming.
 Your solar system will reduce Carbon Dioxide emissions by 108,184,380 lbs.
 - This is equivalent to the effect of removing 438 passenger vehicles from the road.
 - This is equivalent to the effect of planting 974 acres of trees.





Thank You

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