

# Needham Solar I

## Needham RTS – on top of capped landfill

- 11,780 panels
- 12 Acres +/-
- 3.592 MW DC
- As-built is 97.797% of original proposal
- Approvals at Nov 2013 STM
- Anticipated Interconnection – Jan. 2016
- Progress photos follow

Leveling of surface & installation of landscape fabric

Installation  
of Gravel

Erosion Control

July 31, 2015





Solar Panels  
& racks arrive  
on site

Construction trailer  
& contractor staging

August 7, 2015

Solar Panel  
installation  
begins on  
west side

August 16, 2015





Panel installation at  
50% on west side

Gravel  
installation  
on east side

August 23, 2015



Solar Panel  
installation starts  
on east side

August 31, 2015

West side  
panel  
installation  
complete

Service drive on north



September 8, 2015



Needham Solar I - Construction Progress Photos- 9/3/2015

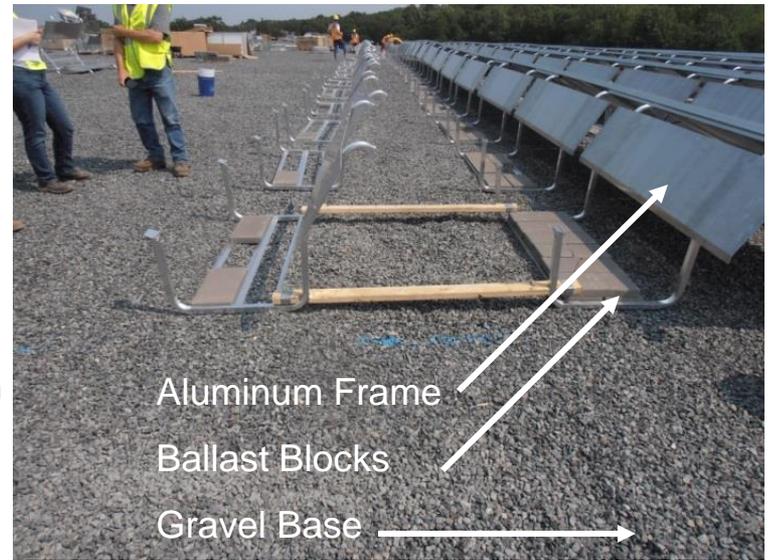


West side panel installation complete & ready for wiring connections



Solar Panel

East Side panel installation in progress (about 500 panels / day)



Aluminum Frame

Ballast Blocks

Gravel Base

# Needham Solar I - Construction Progress Photos– 10/16/2015



Solar Panels on Landfill Cap – See Aerial Photo

Conduit installed on concrete blocks from cap

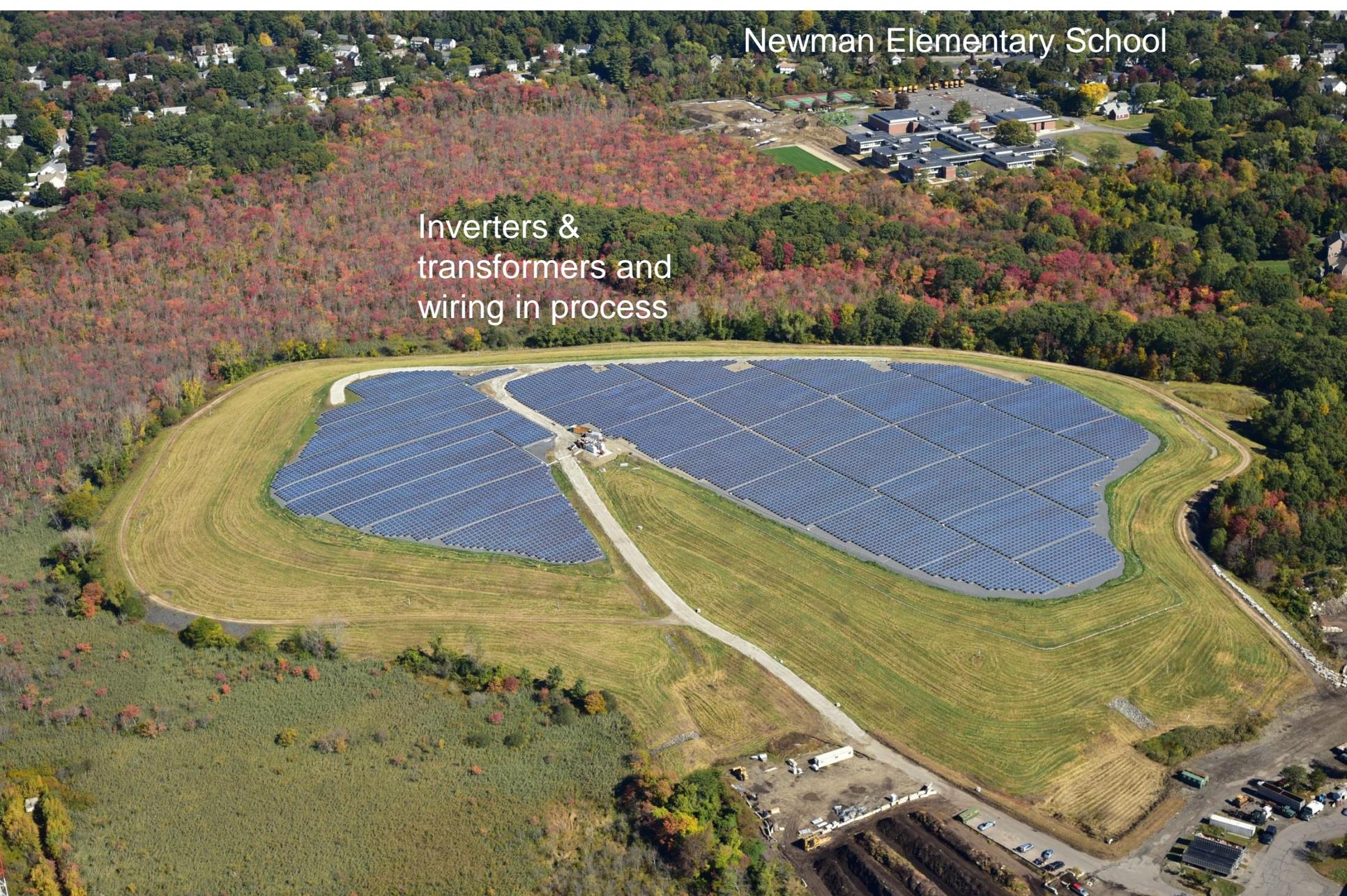


Solar Panel Racking System Detail

Inverters & progress wiring

Newman Elementary School

Inverters &  
transformers and  
wiring in process



Needham Solar I – 10/21/2015 – Panel Installation complete

# Next Steps

- Complete Interconnection and testing
- Complete fencing and jersey barriers
- Closeout Permitting- DEP/Planning/Building
- Public Safety briefing – week of 12/21/2015
- As-built adjustments to EMSC - in progress
- Commercial Operation – January 2016
- Information Kiosk at RTS (Naming Discussion)
- Information Monitor at Needham Public Library
- Educational content for Needham Public Schools
- Benefits to the Town – Net metering, tax and lease income
- A step toward a more [Sustainable Needham](#)
- Ceremonial Ribbon cutting – Earth Day or Vernal Equinox