

WESTWOOD: A GREEN COMMUNITY

PROPOSED SOLAR and EV CHARGING INITIATIVES

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OVERVIEW

- Background: What is SMART Program?
- Solar Initiatives Phase 1.
- Solar Initiatives Phase 2.
- Electric Vehicle (EV) Charging
- Renderings of Solar Canopies

Solar Initiatives Phase 2- Definitions

SMART PROGRAM

The **SMART** (Solar Massachusetts Renewable Target) Program is a long-term sustainable solar incentive program sponsored by Eversource, National Grid and Unitil. SMART will encourage the development of solar photovoltaic (PV) technology by supporting 1,600 MW of new solar generating capacity.

The **SMART** program is a declining block program in which the incentive levels will decline by prescribed amounts over up to eight blocks per Electric Distribution Company (EDC) territory. There are set-aside amounts for small projects (≤ 25 kW AC) in each block to enable projects of all sizes to participate. SMART also has Adders available that increase the amount of the incentive if features such as Energy Storage, Community Solar, or various location-based installations are proposed.

Solar Initiatives Phase 1

To achieve LT Renewable Goals:

- Ameresco* retained and implemented Phase I in 2016/2017
- Ameresco invested \$1.7 million on the following rooftops in Westwood:
 - Westwood High School (186 kW)
 - Martha Jones Elementary (151 kW)
 - Downey Elementary (181 kW)
 - Thurston Middle (99 kW)
- Actual generation in 2021 in Westwood was 663,000 kWh
- New Massachusetts solar incentive program, “SMART”, offers opportunity to commence Phase II as originally intended



New Kiosk at the High School
Donated to the Town by Ameresco



Project Ribbon Cutting



Westwood High School – Rooftop Solar PV Array (Phase I)

Solar Initiatives Phase 2

The proposed Phase II is as follows:

Westwood HS Parking Lot	680,000 kW *
Thurston Rooftop	85 kw
Council on Aging	260 kW
Police/Town Hall Solar Garage	130 Kw

* Anchor project that affects overall program economics

TIMELINE FOR HS SOLAR CANOPY CONSTRUCTION

- School Committee Discussion and Interconnection Request June 2022
- School Committee and Select Board Vote on PPA September 2022
- Permitting and Engineering; Planning Board hearings and notification of abutters Sept. – Dec. 2022
- Eversource Interconnection agreement Executed December 2022
- Construction-Set Design February 2023
- Procurement Commences March 2023
- Commencement of Construction Late June 2023
- Substantial completion of Construction September 2023
- Interconnection/COD October 2023







ELECTRIC VEHICLE CHARGING

- Westwood awarded \$ 340,000 grant by Mass EVIP
- The sum of \$ 85,000 was specifically awarded for two Charging Stations at the Westwood HS
- Westwood was also awarded the benefits of the Eversource “Make Ready” program
- “Make Ready” installs at no cost to Schools all infrastructure improvements to support two Level 3 EV chargers in HS parking lot
- Through consultation with HS facilities personnel, four (4) parking places have been identified for deployment of chargers at no cost to schools

QUESTIONS AND DISCUSSION