

Wayland Solar Projects

Why Solar is Right for Wayland

- Increases Wayland's use of renewable energy to meet our "Green Community" commitment.
- Provides back-up solar power for our emergency shelter at the Middle School.
- Produces economic benefits through reduced electricity costs and property taxes, estimated as \$140,000 in year 1 and potentially \$3.3 million over 20 years.

Project Scope

Solar installations are proposed in four locations:

1. Roof of the new Department of Public Works (DPW) Building
2. Canopies at the High School Parking lot
3. Canopies at the Middle School Parking lot
4. Canopies at the Town Building back parking lot

The projects will be constructed, maintained and operated by Ameresco. **The construction will not cost Wayland any money.** The Town has secured state funds to enable the solar system at the Middle School (a town emergency shelter) to supply back up power if the electricity grid goes down, supplementing our diesel generator.

Wayland will enter into an agreement with Ameresco to buy all of the solar power from Ameresco at a negotiated price per kilowatt-hour. Wayland will transfer the electricity generated by the solar panels to the grid and receive credits from our utility (Eversource) for generating the power. The Town will apply these credits to the Town's utility bills, lowering our energy costs. Ameresco will pay personal property taxes on the solar systems.

Next Steps

The Board of Selectmen, Finance Committee, and School Committee have all voted to support Town Meeting Article 14, which will enable the town to move forward with the solar project. It is now up to the voters. If Town Meeting votes in favor of the article, the Town will complete negotiations of the contract with Ameresco. Ameresco plans to start construction at the High School and Middle School immediately following the end of the school year to minimize disruption to students. Work at the Town Building parking lot is expected to begin in late summer. The DPW roof solar installation will take place in the fall.

Wayland Solar Projects:

How Net Metering Works



1. Ameresco's solar panels convert energy from the sun into 1.5 million kWh/year of electricity.



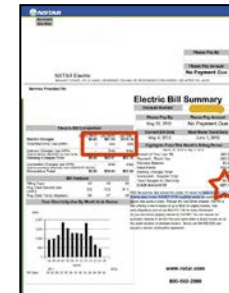
2. Wayland acts like a mini power plant. It buys the 1.5 million kWh of electricity from Ameresco at a fixed price.

3. Wayland receives annual property taxes from Ameresco.



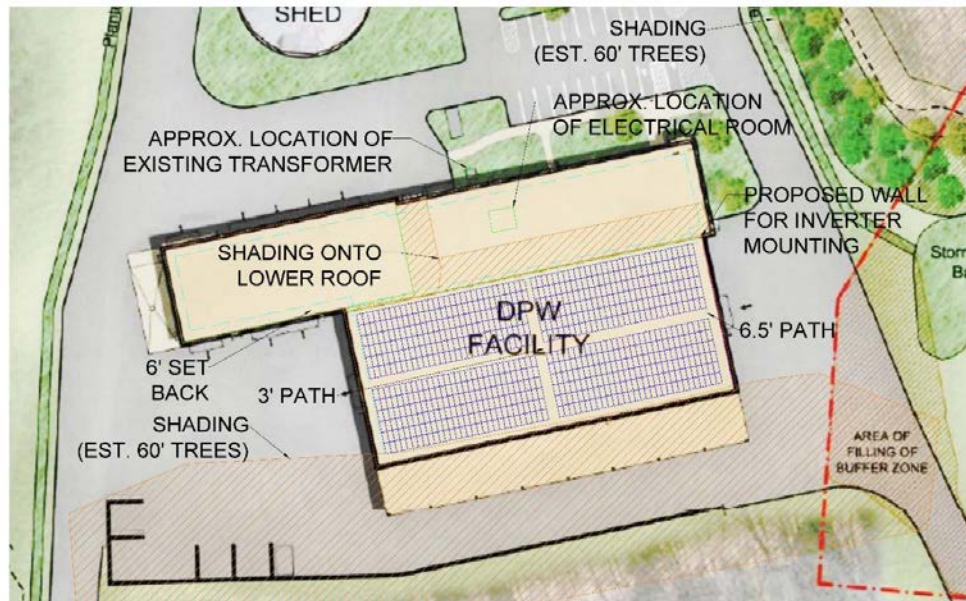
EVERSOURCE

4. Instead of directly using the electricity, Wayland transfers the solar power to the grid and in exchange receives net metering credits from Eversource in dollars, using a utility tariff set by the MA Dept. of Public Utilities.



5. Eversource applies the net metering credits in dollars to Wayland's utility bills.

DPW Roof Mounted Panels



High School Canopies



Middle School Canopies



Town Building Canopies

