

# Solar Energy

## Public School District implements solar net metering to create long-term energy cost reductions and sustainability benefits for its local community.



### Services Provided

- **Renewable Energy Services: Solar Net Metering**
  - Determined total annual quantity of solar credits to purchase for entire account
  - Allocated total credits across applicable meters within account
  - Ongoing: adjusting solar credit allocations by meter as needed

### Opportunity

- Tradition Energy introduced a Massachusetts school district to solar Net Metering services. Net Metering is a system in which solar panels or other renewable energy generators are connected to a public-utility power grid and surplus power is transferred onto the grid, allowing customers to offset the cost of power drawn from the utility.
- The District was locked in to a long-term fixed price electricity contract, so they were optimistic about implementing a solar project that could lower their overall energy spend with no upfront costs.

### Approach

- Tradition's Renewable Energy Group assessed the Net Metering program opportunity, which involved identifying a local solar project, and then reported the findings to the District.
- Substantial future cost reductions were forecast, which resulted in an efficient District approval process for the project.
- A Power Purchase Agreement (PPA) payment option was chosen because there was no upfront cost for a long-term agreement.
- The Renewable Energy Group facilitated the Net Metering agreement between the District and the local solar facility.

### Results

- The District is **forecasted to reduce its overall energy costs more than \$50,000 per year, with cumulative savings over \$1.3 million for the length of the agreement.**
- By reducing its conventional electricity demand from the grid the District will **reduce utility delivery charges.**
- The District has implemented a long-term commitment to **clean energy and sustainability benefits to the local community by reducing its conventional electricity generation.**