



CASE STUDY

Sterling Community Solar + Energy Storage

"We have achieved our goal with the Sterling Community Solar + Energy Storage project of competitive electricity rates by tapping the grid benefits of battery storage technology." - Sean Hamilton, Manager, SMLD

Project Overview

Client Name

Sterling Municipal Light Department (SMLD)

Type of Project

Solar + Storage

Location

Sterling, MA

Online

March 2018

Installation Type

Roof top

System Size

1.39 MWDC / 1.09 MWAC

Storage Capacity

1MW

Storage Duration

2MWh

Storage Technology

Lithium Ion Battery

Homes Powered

228

The Challenge

Provide SMLD with an adequately-sized community solar + storage project located on a particular circuit in their service territory to allow for reduced bills for their ratepayers as well as providing for demand charge reduction benefits for the Municipality.

This project needed to acquire all necessary land rights, be designed, permitted, and constructed in less than six months – including challenging winter weather.

The Solution

This 1 MWAC rooftop solar installation, with a 1 MW/2 MWh energy storage system, delivers an annual base load of 1.7 MWh and represents the first true community solar plus storage installation in Massachusetts. Considerable teamwork, collaboration and urgency was needed by the numerous parties involved in order to make the aggressive in-service date. It was developed and is owned by Origis Energy, delivering power and storage benefits to SMLD through a Power Purchase Agreement. Residential SMLD customers are able to participate in a subscription-based community solar program utilizing the guidelines from the Massachusetts Department of Energy Resources (DOER).

About Origis Energy

Origis Energy is bringing clean and cost effective solar and energy storage solutions within reach for utility, commercial and industrial as well as public sector clients. The Origis team has worked to ensure the interests of all stakeholders are upheld in 170 projects worldwide totaling over 4 GW to date of developed solar and energy storage capacity.

Headquartered in Miami, FL, Origis Energy delivers excellence in solar and energy storage development, financing, engineering, procurement and construction (EPC) and operations, maintenance and asset management for investors and clean energy consumers in the U.S.