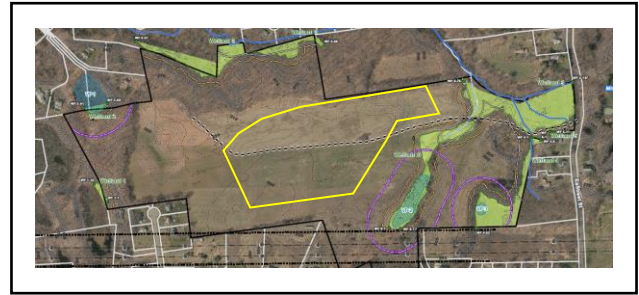


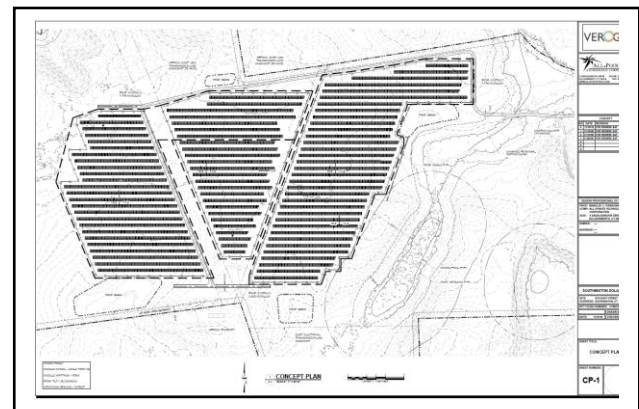
### PROJECT DESCRIPTION

- Southington Solar One is a solar project located at 1012 East Street in Southington
- The 4.725 MWac system will generate enough electricity to power 1,126 average homes for one year
- The project will use ~31 of the 102.92 available acres at the parcel



### BENEFITS TO SOUTHINGTON

- Increasing new annual municipal tax revenues with no additional burden on town services
- Infrastructure upgrades that improve the reliability of Southington’s electrical grid
- Reduction in energy demand during peak usage will decrease energy costs for ratepayers statewide
- Strengthened renewable energy resources that produce electricity locally with zero pollution
- The creation of 25 construction jobs and two new full-time jobs in the greater Hartford area



### ACHIEVING THE 100% ZERO CARBON TARGET BY 2040 & ENVIRONMENTAL BENEFITS

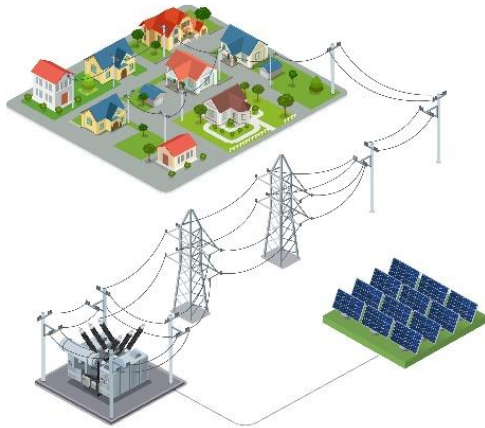
- As a Class I Renewable Energy Source, Southington Solar One will help support the goals set forth in Governor Lamont’s September 2019 Executive Order No. 3 → **100% zero carbon target for the electricity sector by 2040**
- Once operational, the project will offset the equivalent of 6,455 metric tons of CO2 annually, the same amount as 106,733 tree seedlings grown for 10 years or 15,782,089 miles driven by the average passenger car
- The project is designed to have minimal environmental impacts with no disruption to wetland or core forest habitats
- When completed, the project will use an estimated 31 acres out of a total 103 acres, leaving 70% of the parcel undeveloped and available for other uses, including agriculture and open space.

### APPROVAL PROCESS

Verogy requires approval from the Connecticut State Siting Council, who has jurisdiction over projects like Southington Solar One. We will also be working closely with municipal departments such as Planning and Zoning and Inland Wetlands and Watercourses in Southington throughout the development of this project. Southington Solar One will also obtain a General / SWPP Permit from CT DEEP.

### ESTIMATED PROJECT CALENDAR

AUGUST 2019: Design phase completed  
FEBRUARY 2020: Interconnection approvals from Eversource  
APRIL 2020: Completion of environmental studies  
MAY 2020: Application submitted to Connecticut Siting Council  
SEPTEMBER 2020: Connecticut Siting Council decision issued  
NOVEMBER 2020: Construction groundbreaking  
APRIL 2021: Project completion



### Solar Energy 101

- 1. Solar Panels**  
Collect energy from the sun
- 2. Inverters**  
Converts DC Electricity to AC Electricity
- 3. Utility Infrastructure**  
Electricity is delivered to the circuit that connects to the substation
- 4. Delivery to Consumers**  
Power is delivered to residential and business consumers through the local grid.

### CONTACT US

Verogy is committed to keeping members of the Southington community informed about our projects. Residents with questions about the project or its approval process can contact Verogy's Director of Development, Bryan Fitzgerald at [bfitzgerald@verogy.com](mailto:bfitzgerald@verogy.com) or (203) 257-3375. Additionally, please stay tuned for a time, date, and location at which a public meeting will be held by Verogy.

#### Project Contact:

Bryan Fitzgerald  
Director of Development  
[bfitzgerald@verogy.com](mailto:bfitzgerald@verogy.com)  
(203) 257-3375

### ABOUT VEROGY

Verogy is a Hartford-based solar developer focused on commercial, industrial and small utility scale projects. Built on 50+ years of combined industry experience, the management team at Verogy has constructed over 250 megawatts of solar projects across the United States. For more information, visit [www.verogy.com/southington-solar-one](http://www.verogy.com/southington-solar-one)

## Solar Photovoltaic

### *How does a solar photovoltaic (PV) system work?*

Solar panels absorb the sun's energy and convert it into DC electricity. The DC electricity is converted to AC electricity through inverters, which is then delivered to the local utility's infrastructure.

### *How much energy will the solar array generate?*

Southington Solar One will generate **9,128 MWh/year**. This is enough renewable energy to power **1,126 homes** for an entire year and offset **6,455 tons of carbon dioxide**.

## Local Benefits

### *What are the local benefits of having solar generation?*

In general, energy production takes place at power plants, which can be located a significant distance from where the electricity is used. Local energy production such as Southington Solar One will help strengthen the electricity grid in Southington through more reliable, advanced infrastructure. Additionally, solar generation is a renewable energy, which delivers locally produced power with zero emissions.

### *What are the municipal benefits?*

Once operational, the Town of Southington will receive annual tax revenues from Verogy for an estimated 20 years. Additionally, there will be no burdens placed on municipal infrastructure or demands on Town of Southington services.

## Construction & Operation

### *How long will construction take?*

Following all state and local approvals, construction will take approximately six months.

### *How will the solar array be maintained?*

Maintenance visits by Verogy staff will take place onsite every one to two months. Once the solar array is operational, Verogy will monitor energy production remotely.

### *What is the lifespan of this solar array?*

Southington Solar One has an overall lifespan of 35 years.

### *What will happen to the array at the end of its lifespan?*

At the end of its lifespan, Southington Solar One will be decommissioned and removed from the property. Once cleared, the land will be restored to its original condition.

## Location & Site Selection

### *Why was this location chosen?*

The site was selected due to its minimal impact to both neighboring property owners and the environmental conditions of the area. The project is located on land that is pre-cleared and not located on core forest, helping to minimize tree clearing. The array itself will not impact any wetland habitats and appropriate setbacks from neighboring properties have been incorporated into the project's site design. Additionally, the site is in close proximity to the electrical infrastructure necessary to interconnect this project to the Eversource distribution network.

### *How much of the current property will be used for the project?*

The total area of the property where Southington Solar One is proposed is approximately 103 acres. When completed, the project will use an estimated 31 acres, leaving 70% of the parcel undeveloped and available for other uses, including agriculture and open space.

### *Are there any dangers living near a solar array?*

There are no known dangers or adverse effects of living near a solar array.

*Will the project create glare or other visual impacts?*

Solar panels are designed to absorb light in order to maximize their efficiency and generally reflect about 2% of sunlight. The panels that will be used at Southington Solar One are about 10 feet tall; due to the existing vegetation and topography of the site, there will be limited views of the project. Additionally, Verogy will identify areas in the neighborhood that may experience visual impacts and use vegetative screening and other techniques to limit these impacts.

## **Southington Solar One and the Environment**

*What will happen to the existing land, forest, and trees on the property currently?*

This project was designed with the least possible impact on the existing environment of the property with limited tree trimming taking place during construction. When completed, the project will use an estimated 31 acres out of a total 103 acres, leaving 70% of the parcel undeveloped and available for other uses, including agriculture and open space.

*What measures will be taken to protect wildlife that visit or live on the property?*

A full survey of the land will be conducted as part of the Siting Council approval process. Verogy will be working with environmental professionals to conduct numerous studies on the property, including:

- **Natural Diversity Database:** Identify the endangered, threatened and special concern species and significant natural communities on or nearby the property
- **USFWS:** Consultation in regard to Section 7 and 10 of the Endangered Species Act
- **Soil:** Identify the types of soil and their uses
- **Wetlands:** Identify any existing wetland areas in order to avoid impact

Verogy takes its commitment to sustainability and the environment very seriously. We will continue to work with our environmental engineers and other stakeholders to ensure that Southington Solar One's impacts are as limited as possible.

## **Approval Process**

*What is the approval process for Southington Solar One?*

Verogy requires approval from the Connecticut State Siting Council, which has jurisdiction over projects like Southington Solar One. We will also be working closely with municipal departments in Southington throughout the development of the project.

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