

Fusion Solar Center, LLC

Sprague, CT Town Hall



CORONAL

A Panasonic Eco Solutions Partner

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Agenda

- I. Introduction to Coronal Development Services**
- II. Fusion Solar Center**
- III. Next Steps**
- IV. Q & A**

About Coronal Group & HelioSage Energy

- Coronal Group and HelioSage Energy formed new company in February 2015; Coronal Development Services (CDS)
- Joint Venture with Panasonic Eco Solutions
- 50+ projects in installation
- Geography
 - U.S., Puerto Rico and Canada
- Experience
 - 80+ collective years of successful investment and asset management and a strong record of solar project development
- Coronal Group is the owner of Fusion Solar Center, LLC

Representative Projects

Project: Somers Solar Center (largest solar PV plant in CT)

Location: Somers, CT

Size: 7.4 MWdc

Commissioned: November, 2013



Representative Projects

Project: Connecticut Resources Recovery Authority - Hartford Landfill Solar Project

Location: Hartford, CT

Size: 1.2 MWdc

Commissioned: September, 2014



Representative Projects

Project: North Carolina Portfolio – 12 projects

Size: 60MWac total

Commissioned: 2013 – 2014

Upchurch Solar Center (5 MWac)



Flemming Solar Center (5 MWac)



Red Hill Solar Center (5 MWac)



Rams Horn Solar Center (5 MWac)



About Solar Farms

- Utility scale solar projects are often referred to as “solar farms”
- Solar farms are ground mounted projects that feed electricity directly to the grid or commercial customer under a contract known as a Power Purchase Agreement (PPA)
- Solar energy systems typically require 6-10 acres per MW installed
- Systems produce power for 25+ years



About Solar Farms

- Solar farms preserve Agricultural land for decades
- After the term of a solar project, land is returned to its original condition
- Considered “permeable,” solar farms do not create runoff issues. Panel racks are typically driven into the ground with no concrete pads or other barriers to inhibit the flow of water.
- Coronal seeks to avoid siting arrays where the disturbance of delicate wetlands or the habitats of endangered species is a possibility



About Solar Farms

- Unlike Concentrated solar, Photovoltaic (“PV”) solar farms reflect little sunlight. Rather, sunlight is absorbed. Panels do not harm the surrounding wildlife or plants.
- No noise can be heard outside the solar farm fence
- Solar farms do not increase the price of energy. In fact, it is often cheaper than the same electricity otherwise generated from a conventional source like coal or natural gas.



Environmental Benefits

- A 20 MW solar farm sited in CT will produce an average of 39 million kWh of clean energy each year.
- This equates to:

Enough electricity for 3,700 average US homes, each year

- CO2 emissions reductions equivalent to:

**5,662 passenger vehicles off the road
22,043 acres of US forests in one year**



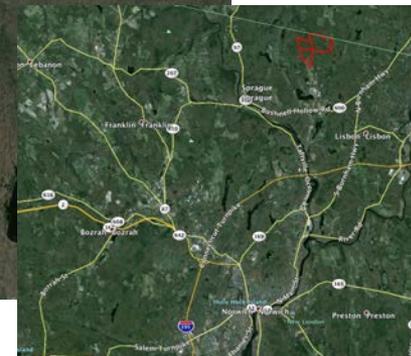
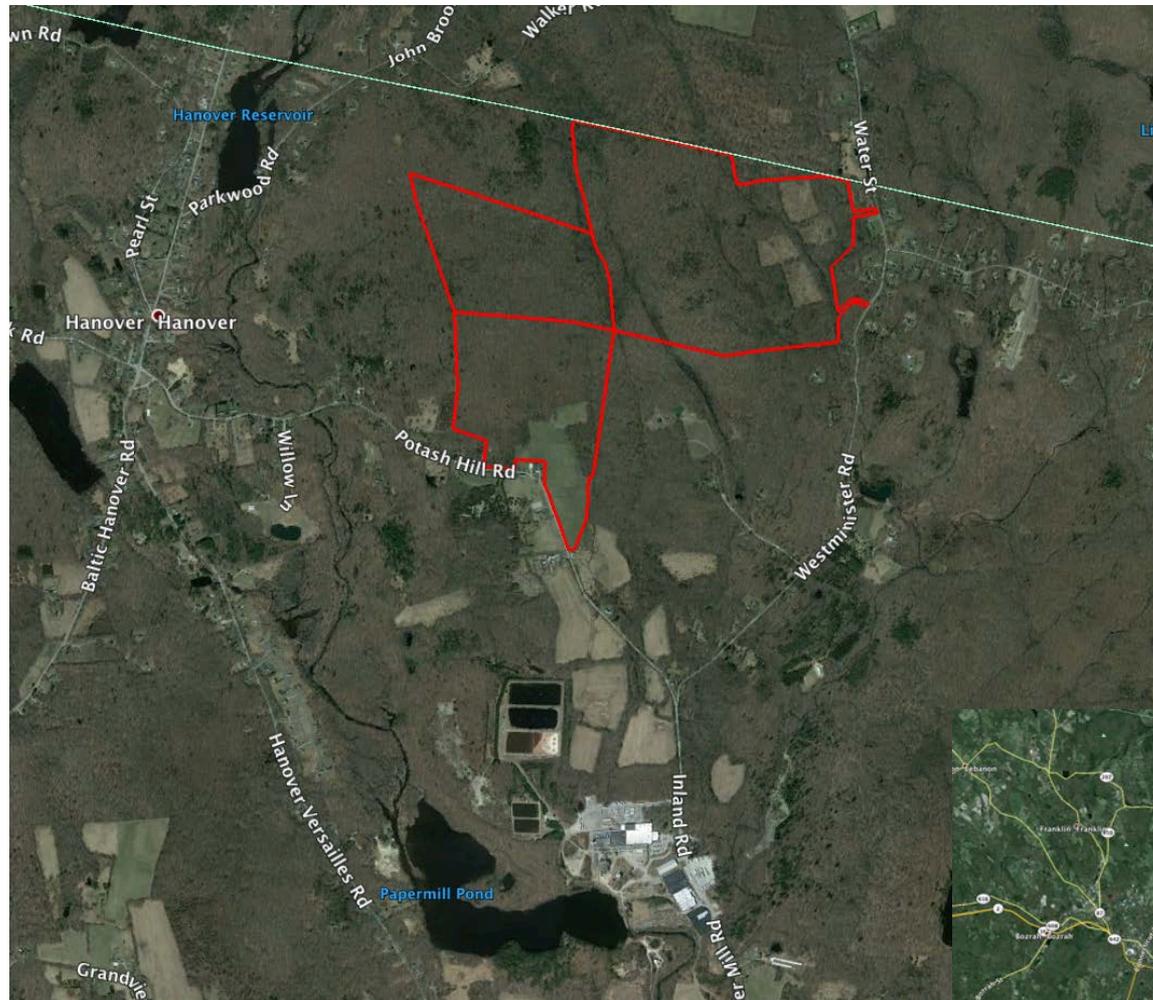
* Source: EPA Greenhouse Gas Equivalencies Calculator

Project Overview – Fusion Solar Center

Fusion Solar Center, LLC

- Solar Photovoltaic (PV) Energy Generator
- Projected Commercial Operation: End of 2016
 - Construction to begin in Summer 2016
- Nameplate Capacity: 20 MWac
 - Interconnection with Eversource Energy (CL&P) electric grid at 23kV
- Projected Project Area: 170 - 200 acres
 - Located in Town of Sprague, CT
 - Site borders Potash Hill Rd on west and Westminister Rd on east
 - Property under Option for long term lease with Landowners
 - Zoning: R120 – historically used for hay and logging

Fusion Solar Center | Location



Power Purchase Agreement

Power Purchase Agreement (PPA) between Eversource Energy (CL&P), United Illuminating (UI) and Fusion Solar Center, LLC.

- Contract for total Project output (Year 1 = 39,000 MWh)
- 20-year Contract Term
- Optional 5-year Extension at end of Term

Fusion Solar Center awarded PPA as result of competitive RFP process administered by CT DEEP and utilities.

Connecticut Siting Council

Coronal Development Services will work within the Connecticut Siting Council process to secure approval for the Fusion Solar Center on the proposed site. The Siting Council process includes:

- **Preparation of Siting Council Petition ***
- **Submission of Siting Council Petition**
- **Petition circulated to all stakeholders for review and comment**
- **Siting Council review of application & interrogatories**
- **Site visit & Public Hearings**
- **Final determination for petition approval**

The CT Siting Council supersedes all local zoning and planning processes

- **CDS intends to work collaboratively with the Sprague planning and building departments to ensure that the Siting Council process is consistent with their needs from a project review perspective.**

** = Work completed by firms with Connecticut offices*

Connecticut Siting Council

Petition to the CT Siting Council for a Declaratory Ruling that a Certificate of Environmental Compatibility and Public Need (CECPN) is not required. The scope of this effort will include:

- **Environmental (In Progress)**
 - Critical Environmental Issues Assessment (CEIA)*
 - Phase I Environmental Site Assessment (ESA)*
 - Wetlands Delineation & Natural Habitat Assessment*
 - Natural Diversity Database State Species Review*
 - Visual Assessment*
 - Air/Water Quality Studies*
- **Cultural Resources (In Progress)**
 - Review of project site by State Historic Preservation Office*
 - Archaeological Phase I-A/B Field Surveys*
- **Civil**
 - Storm Water Management Plan*
 - Erosion and Sediment Control Plan*
 - Traffic Assessment*

* = Work completed by firms with Connecticut offices

Project Cost & Local Employment

- Project Cost
 - \$45-50M Project cost
- Local Employment
 - Contracting jobs | approximately 50 - 70 jobs
 - Hire local labor for general contracting work
 - Workers will be spending time and money in Sprague area during construction period
 - Petition preparation, environmental studies and permitting completed by firms with local offices (Fuss & O'Neill, Archaeological Consulting Services, Golden Aerial, Robinson and Cole)
 - At least one full-time position expected as a result of Project

Summary

Coronal Development Services is excited to be bringing a major new investment in clean, renewable energy to Connecticut and to Sprague in particular through the construction and operation of the Fusion Solar Center.



Backup Slides - Somers



Backup Slides - Somers



Backup Slides – Mounting System (Racking)



- Aluminum alloy rails and galvanized steel posts
- Posts are pile driven (ballasted mounting systems do exist)
- Code compliant with any locality
- Ability to track sun East-West

Backup Slides – Equipment Pad



- Contains inverters and transformer
- Typical pad and equipment dimensions - 15' wide, 35' length, 15' high