



Quinebaug Solar Project

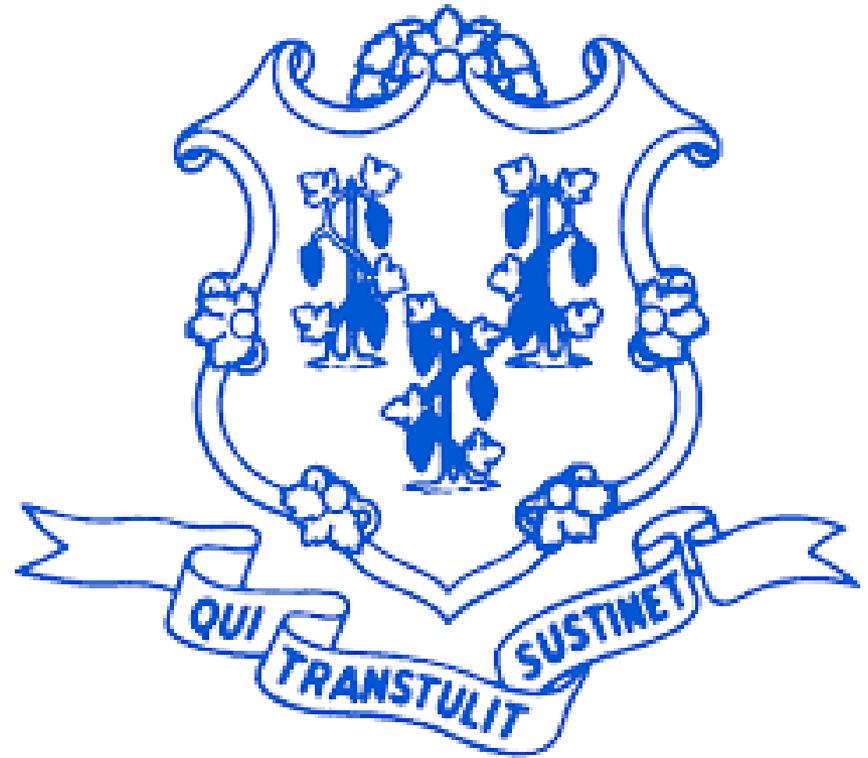
Brooklyn, Connecticut

January 26, 2017

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# Outline

- Ranger Solar
- Solar Energy
- Connecticut Energy
- CT Permitting Process
- Preliminary Project Details
- Discussion and Questions



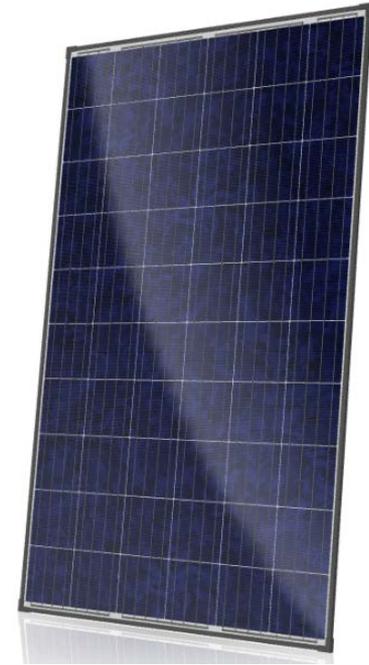
# Ranger Solar

- Ranger Solar is a utility scale solar development company currently developing projects in Connecticut and throughout the New England region
- Led by an experienced team of veteran developers and environmental specialists
- Core team has over twenty-five years of project development and environmental permitting experience; working on over 120 different renewable energy projects in the U.S.



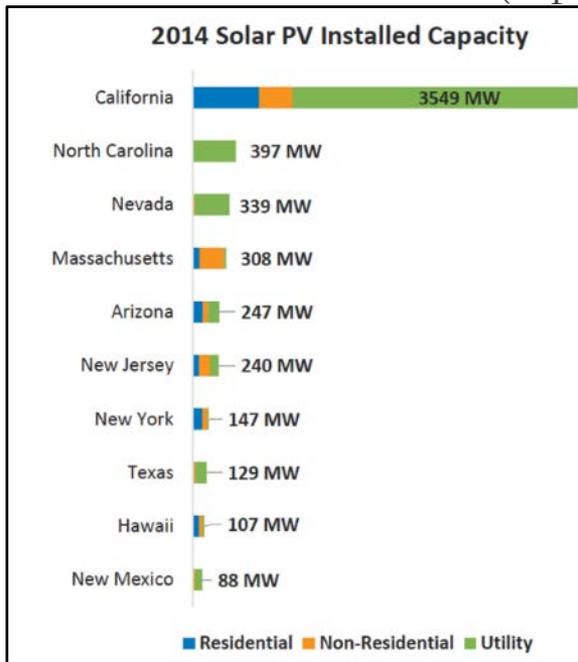
# Solar Energy at a Glance

- Photovoltaic (PV) is currently the least expensive and least intrusive solar technology available for the northeast
- Solar power has no fuel costs, so the price remains fixed over long periods of time
- PV systems require very little maintenance and operate without producing air pollution or greenhouse gases
- The arrays produce direct current (DC), which can be conditioned into grid-quality alternating current (AC) electricity (NREL 2014)

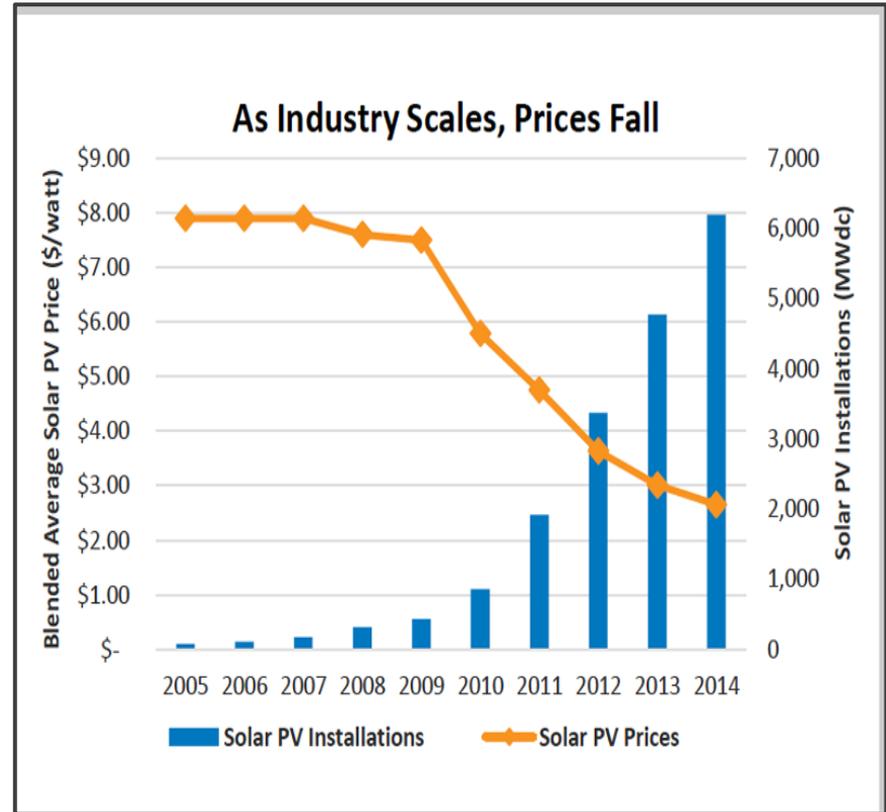


# Solar Energy Growth

- Cost reduction in PV panels
- State Renewable Portfolio Standards (RPS). Connecticut targeting 20% renewable by 2020
- Federal Investment Tax Credit (expires 2019)



Available at: <http://www.seia.org/research-resources/solar-industry-data>



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# Connecticut Energy

- CT households pay more than the national average for electricity. On average, Connecticut pays 17.7 cents/kwh compared to the national average of 10.4 cents/kwh.
- The Quinebaug Solar Project is selling power directly to Connecticut electric utilities. This will help stabilize electricity costs for Connecticut and the region.
- The Quinebaug Solar Project will replace fossil fuel generated electricity with renewable electricity, helping make a meaningful contribution to Connecticut and the region's renewable energy targets.



# Quinebaug Solar Approval Process

- Complete environmental, cultural, sound, and aesthetics studies
- Work with the Town and community to make the Project one of the best sited utility projects in the state and a model for how future development should be done
- File a petition for a Declaratory Ruling with the Connecticut Siting Council Q1 2017
  - Decommissioning plan
  - Environmental evaluation
  - Aesthetics evaluation
  - Cultural resource assessments
  - Economic impacts
- Utility/Grid System Impact Study
  - Any upgrades to the grid are paid for (100%) by the Project



<http://www.cpe.rutgers.edu/certificate/wetlands-delineation-extended.html>

# References

Ranger Solar has successfully worked with other towns in the region and has garnered the support of selectboards

Example References:

- Doug Bailey, Chair, Brandon Vermont Selectboard
- Howard Barton, Jr., Chair, Ludlow Vermont Selectboard
- Gregory Stebbins, Chair, Sheldon Vermont Selectboard
- Steven Buck, City Manager, Sanford Maine

*“...Whereas the Brandon Selectboard finds that the proposed project will provide a positive economic benefit to the taxpayers of the Town of Brandon...and Whereas the proposed solar array creates renewable energy, ...Be it resolved that the Brandon Selectboard officially supports Ranger Solar’s proposed solar array in this town...”*





*"The way power should be"*

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