

Distributed Rural Electric Cooperative Solar System Application

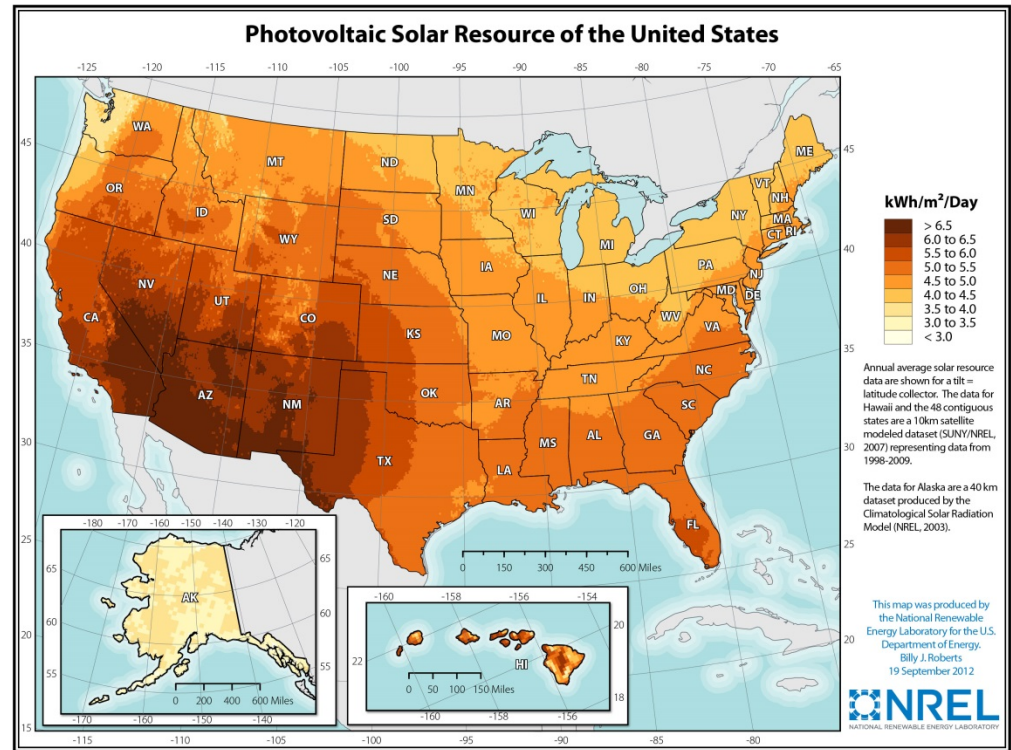
Experiences in Solar Interconnection

Solar Powering
Illinois
April 8, 2014



Illinois Rural Electric Cooperative

- 10,600 meters
- 3,000 miles of distribution
- <10% industrial
- Avg solar Resource
- Load close Proximity



Single Solar Project

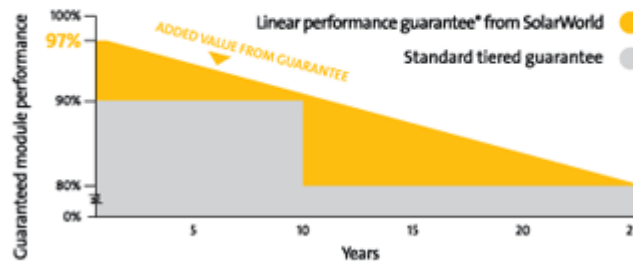
- 0.5 MW, 4 acre project, Approx. 170 homes
 - 484 piles, 2223 panels, 270W each, 30deg pitch
- Should go live in a few weeks.
- Grant funding for over half project
 - USDA & IL DCEO plus green tags
- First Cooperative utility scale solar project in Illinois



Scott County Solar Project



LINEAR PERFORMANCE GUARANTEE STRAIGHTFORWARD SECURITY



Clear added value compared to standard tiered guarantees.



SOLAR SUCCESS



Lessons Learned

- Local permitting & zoning
- Landowner relationship
 - Own vs rent
- Environmental
 - Current and Future
- Size and model (inverter)
- Operating characteristics
 - Size & location or need for transmission
- Warranty & Maintenance



Public Response?

- Overwhelmingly Positive
- Questions Answered
- Up Close Experience Now
- Asking when more are coming



Status



Status Today



Join us on our web page for more info at...

www.e-co-op.com

The screenshot shows the homepage of the Illinois Rural Electric Cooperative website. At the top left is the logo, a green circle with white lines representing a field, followed by the text "Illinois Rural Electric Cooperative" and "A Touchstone Energy® Cooperative" with a small logo. To the right are links for "Director Login", "MyBill", and "Outage Center", along with a search bar. Below this is a green navigation bar with links: "MY ACCOUNT", "SERVICES", "ECONOMIC DEVELOPMENT", "IRTC INTERNET", "ABOUT US", and "CONTACT US". The main banner features a large image of a wind turbine against a blue sky with white clouds. The text on the banner reads: "Working to improve the quality of life in the communities we serve since 1936." Below the banner is a small caption: "Illinois Rural Electric Cooperative's wind turbine located in Pike County." Underneath the banner is a "LATEST NEWS" section. It contains two news items: "Underbuild Construction Complete" with a photo of a construction site and a "Read more..." link, and "USDA Rural Development Housing Loans" with a photo of a house and a "Read more..." link. To the right of the news section is a "myBill" section with a "Check your email" button and a "Login or Register" button. Below the news section is an "IRTC EMAIL" section with a "Check your email" button. At the bottom right is an "Outage CENTER" section with a logo and three social media icons: Facebook, Twitter, and YouTube.

www.e-co-op.com

Director Login MyBill Outage Center

Illinois Rural Electric Cooperative
A Touchstone Energy® Cooperative

MY ACCOUNT SERVICES ECONOMIC DEVELOPMENT IRTC INTERNET ABOUT US CONTACT US

Working to improve the quality of life in the communities we serve since 1936.

Illinois Rural Electric Cooperative's wind turbine located in Pike County.

LATEST NEWS

Underbuild Construction Complete
Crews finished up the underbuild construction this morning near the Hillview blacktop in Scott County.
Read more...

IRTC EMAIL
Check your email

myBill
Pay Your Bill, View usage, or Sign Up for Paperless Billing
Login or Register

USDA Rural Development Housing Loans
USDA Rural Development is currently offering zero down payment option loans for single family housing in eligible rural areas.
Read more...

Outage CENTER


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Questions?

Scott County Solar Plant



**Illinois Rural
Electric Cooperative**

Your Touchstone Energy® Partner 



**Illinois
Department of Commerce
& Economic Opportunity**

Pat Quinn, Governor

Working to improve the quality of life in the communities we serve since 1936.