SolarAPP – The Emerging US Permitting Solution

Presenter:
Jeff Cook PhD
NREL
Why are we developing the SolarAPP?

- Residential PV markets are expanding
- AHJs must permit and inspect these systems with limited resources
- Automated online permitting can:
  - Ensure safe, code compliant systems are permitted
  - Reduce resource constraints on AHJ personnel
  - Enable economic development
  - Support AHJ clean energy and environmental goals
NREL Research Agenda

Analysis

Identify PII-related process requirements, cycle times, and cancellations across all municipalities.

Demonstrate how PII-related process requirements correlate with delay and cancellations.

Increase transparency into PII practices nationwide.

Software

Build Solar Automated Permit Processing Platform (SolarAPP Platform).
SolarAPP Project Timeline and Milestones

- **Develop**
  - Develop preliminary permit requirements
  - 12/31/19

- **Vet**
  - Vet draft requirements with contractors and AHJs
  - 3/01/20

- **Test**
  - Test alpha software functionality
  - 4/14/20

- **Pilot**
  - Pilot beta software
  - 6/30/20

- **Launch**
  - Launch SolarAPP for Widespread Use
  - 9/30/20

- **Transition**
  - Transition SolarAPP to long-term program manager
  - 9/30/21
Testing and Piloting Jurisdictions

• Three jurisdiction’s have already committed to testing the SolarAPP software
  – Bakersfield, California
  – Modesto, California
    • Pilot partner
  – Oceanside, California
    • Pilot partner

• Many others have expressed interest, if you know of a local government that may wish to pilot with us contact solarapp@nrel.gov today!
Questions and Thank You!

For more information contact:
Jeff.cook@nrel.gov

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