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SolarAPP – The Emerging US Permitting Solution

Presenter:
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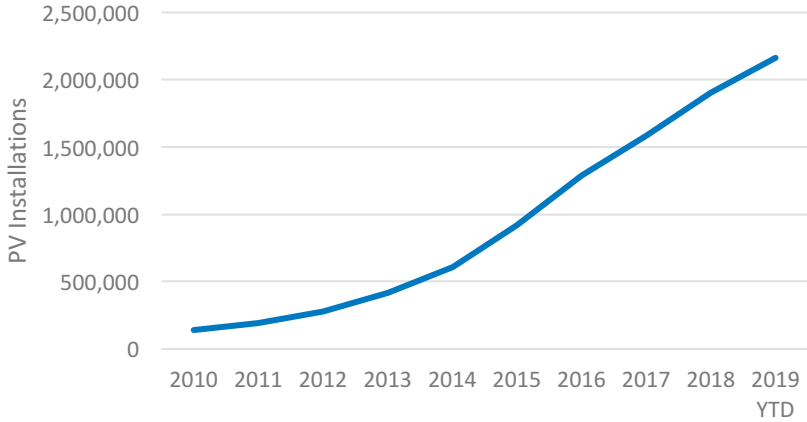
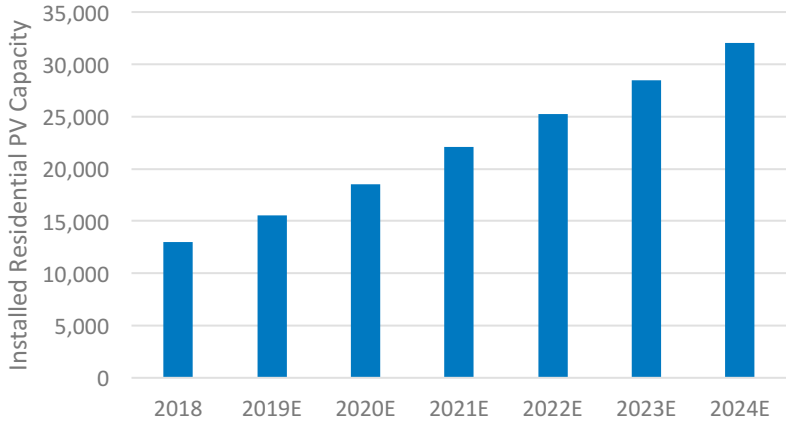
Why are we developing the SolarAPP?

- 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



Cumulative PV Installations by Year



Estimated PV Growth (2018 – 2024)

Source: U.S. Solar Market Insight Q4 2019

NREL Research Agenda

Analysis

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

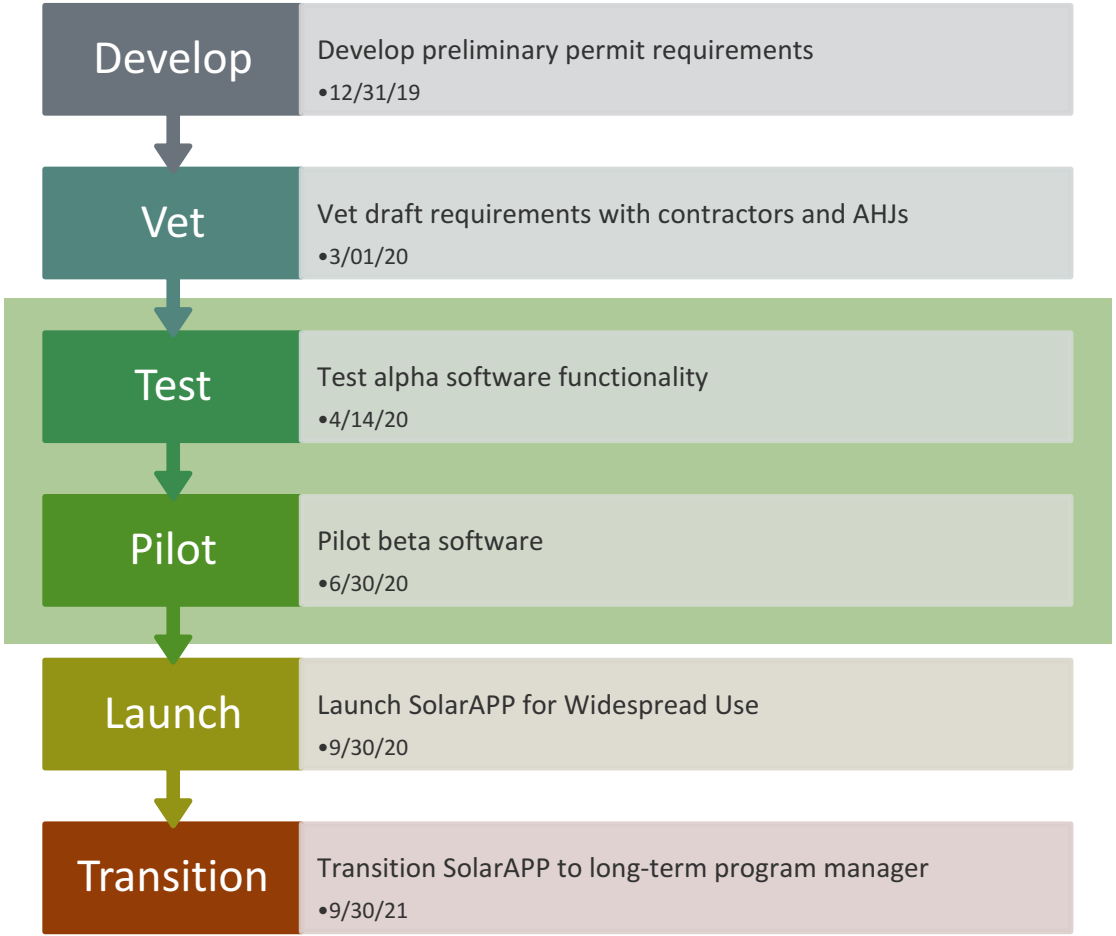
Demonstrate how PII-related process requirements correlate with delay and cancellations.

Increase transparency into PII practices nationwide.

Software

Build Solar Automated Permit Processing Platform (SolarAPP Platform).

SolarAPP Project Timeline and Milestones



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:

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