Leadership Roundtable:

Empowering Cities to Accelerate Rooftop Solar Installations Across America

- Jennifer M. Granholm, Secretary of Energy
- Regina Romero, Mayor of Tucson, Arizona
- Sam Liccardo, Mayor of San Jose, California
- Lynn Jurich, CEO of Sunrun
- Will Jawando, Councilmember of Montgomery County, Maryland
- John Alita, Deputy City Manager of Stockton, California
- Jeff Cook, SolarAPP+ Project Lead, National Renewable Energy Laboratory
- Becca Jones-Albertus, Director of the Solar Energy Technologies Office







Today's presentation will be available at: energy.gov/seto-webinars

Welcome and Logistics

- This event is being recorded
- It is also being livestreamed at energy.gov/live
- Slides, recording, and transcript will be available on energy.gov/seto-webinars
- Submit questions in the chat
- For technical difficulties, chat or email Meisha Baylor (meisha.baylor@ee.doe.gov)

Leadership Roundtable Guests



Jennifer M. Granholm Secretary of Energy



Regina Romero

Mayor of Tucson, Arizona



Sam Liccardo Mayor of San Jose, California



Lynn Jurich CEO of Sunrun



Becca Jones-Albertus

Director of the Solar Energy

Technologies Office



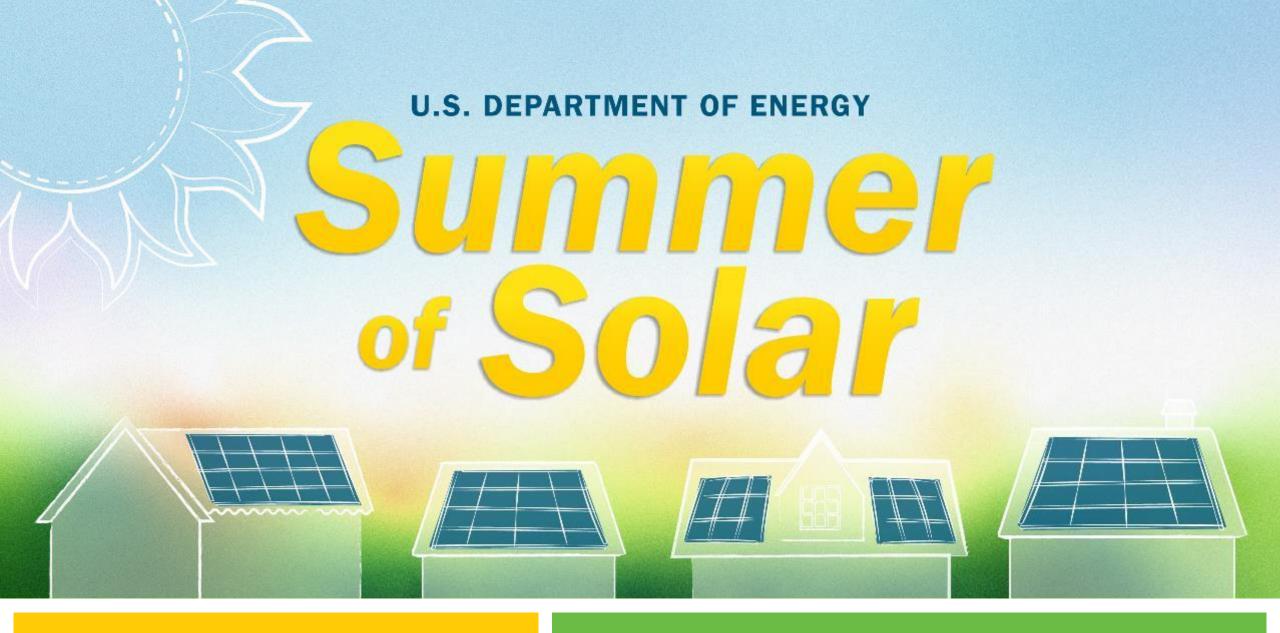
Jeff Cook SolarAPP+ Project Lead, National Renewable Energy Laboratory



Will Jawando Councilmember of Montgomery County, Maryland



John Alita
Deputy City Manager of
Stockton, California



Learn More: energy.gov/solar

Get Updates: bit.ly/summerofsolar-newsletter



SolarAPP+ Performance and Adoption Next Steps

Presenter: Jeffrey J. Cook PhD

Analysis Team: Juliana Williams, Matt

Miccioli, and Minahil Qasim









































What is SolarAPP+ and how is it governed?

- A flexible, web-based PV-permitting tool for residential systems at no-cost to AHJs.
 - Delivers instant plan review, permit approval, and a clear inspection checklist.
 - Incorporates energy storage and will expand to other market segments.
- SolarAPP+ Foundation has been established to oversee the expansion of SolarAPP+.
 - Balanced group of code officials, local governments, contractors, and subject matter experts.

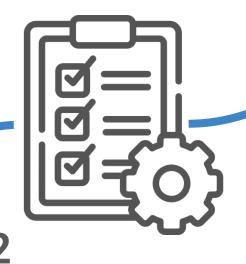


SolarAPP+ Flow

Installer submits an application with design specifications through SolarAPP+

1





SolarAPP+ checks the

application to ensure the system design is code compliant



3

Code compliant applications are issued a permit instantly after fee payment

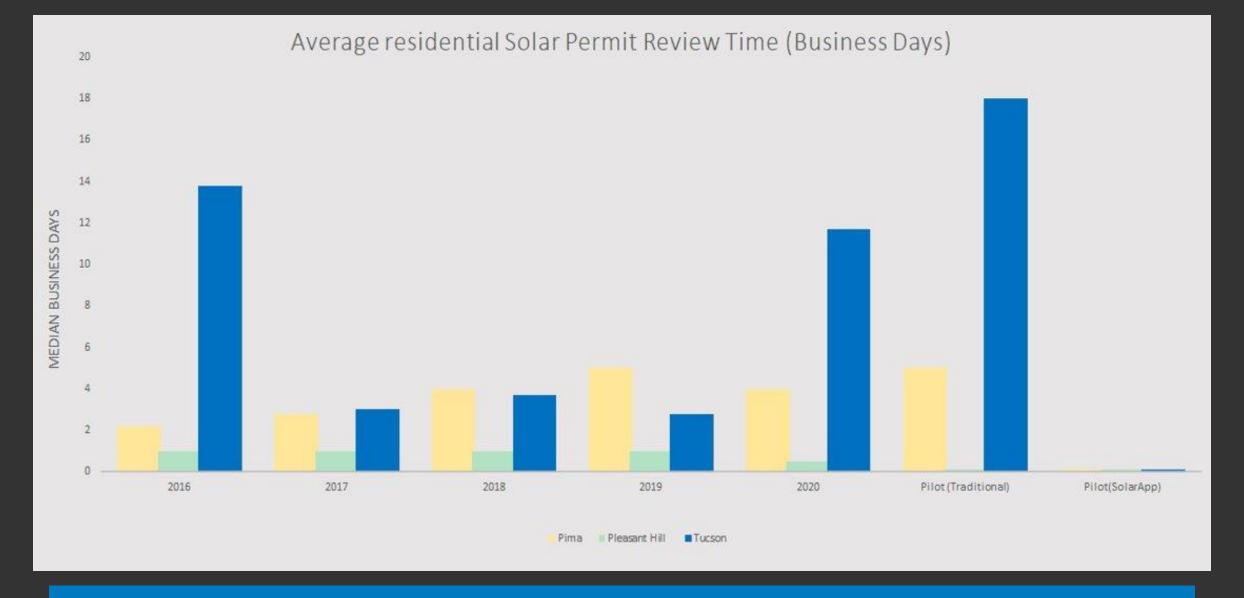
(Review sample approval docs here)

How is SolarAPP+ Performing?

Piloting Communities and Projects

SolarAPP+ delivered instant permits for ~150 jobs during the pilot and over 620 jobs since.

Residential Solar Permit Submittals during SolarAPP+ Pilot									
	Tradit	ional	SolarAPP+						
	Submitted	Inspected	Submitted	Inspected					
Pima County, AZ	24	18	54	34					
Pleasant Hill, CA	10	5	19	10					
Tucson, AZ	17	12	76	44					
Total	51	35	149	88					



SolarAPP+ significantly reduces permit review times

PRELIMINARY DRAFT RESULTS: DO NOT CITE

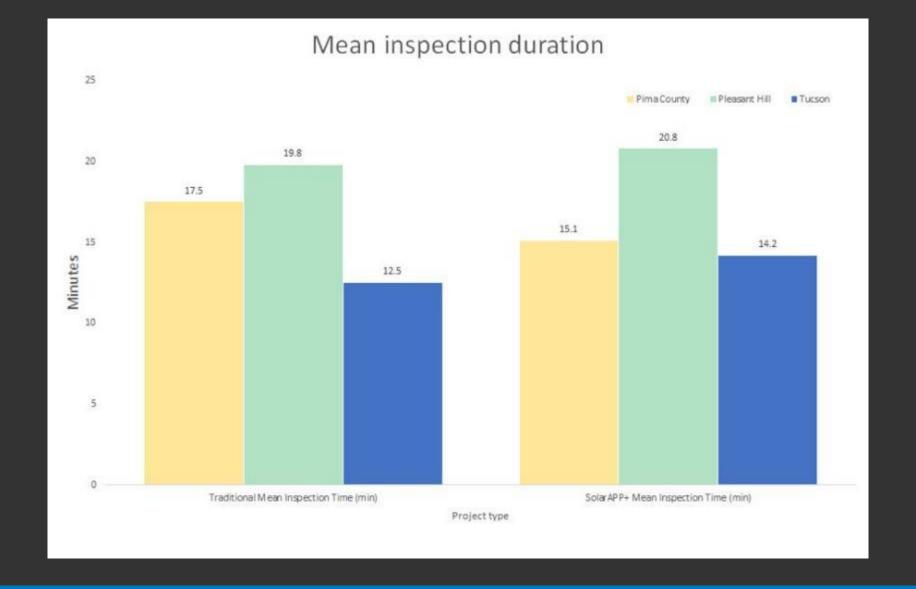
Time Savings for Local Governments

- Time saved during SolarAPP+ pilot: 186.45 hrs
- Estimated time saved since launch: ~420 hrs

Mean permit review time (hours) SolarAPP+ Permits Time saved on permit Revision Time (hours) SolarAPP+ Revisions SolarAPP+ Revisions (hours) Time saved on permit revision (hours) (hours) Time saved on permit revision (hours)	
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Permitting Time Saved by SolarAPP+

	(hours)	Permits	(hours)	(hours)	Revisions	(hours)	(hours)			
Pima County, AZ	1	54	54	0.75	11	8.25	62.25			
Pleasant Hill, CA	0.25	19	4.75	0.20*	41	8.20	12.95			
Tucson, AZ	1	76	76	0.75	47	35.25	111.25			
Totals	-	149	134.75	-	99	51.7	186.45			
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SolarAPP+ Does Not Impact Inspection Durations

PRELIMINARY DRAFT RESULTS: DO NOT CITE

SolarAPP+ Inspection Results have Improved During the Pilot

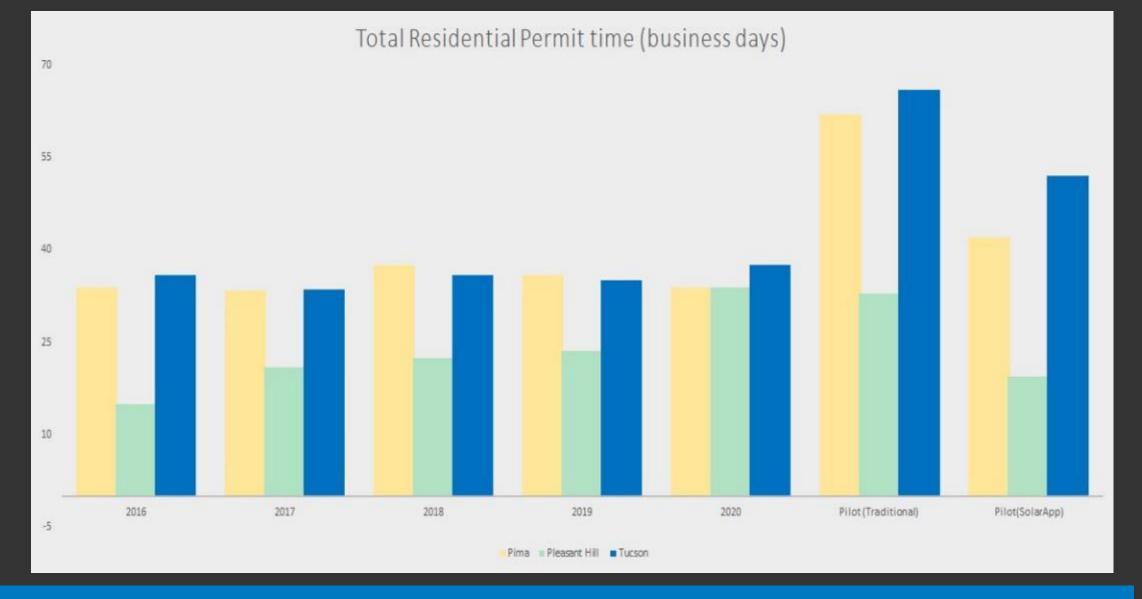
5% of all jobs in the pilot failed their first inspections.

6 of 123 inspected jobs.



5 of the 6 failed inspections occurred before 5/19/21.

4 of the 6 were associated with process miscommunications.

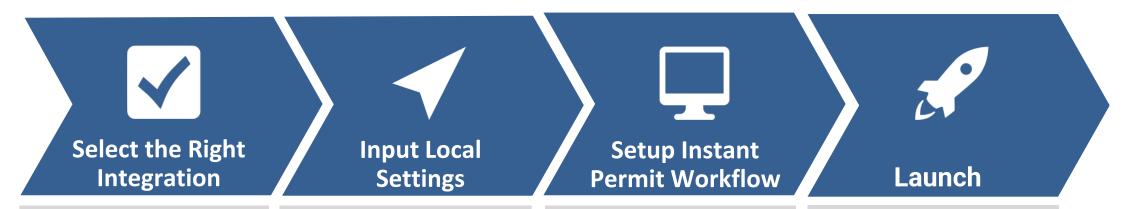


SolarAPP+ also reduces overall installation timelines

PRELIMINARY DRAFT RESULTS: DO NOT CITE

How can you participate in the program?

Are you a local government? There are four steps to adopting SolarAPP+



SolarAPP can be set up to:

- integrate with your existing online permitting software
- stand alone as a complete online permitting solution

These include:

- Permitting contacts
- AHJ boundaries
- Local wind and snow variables
- Model code years
- Terms and conditions

Depending on your integration, either:

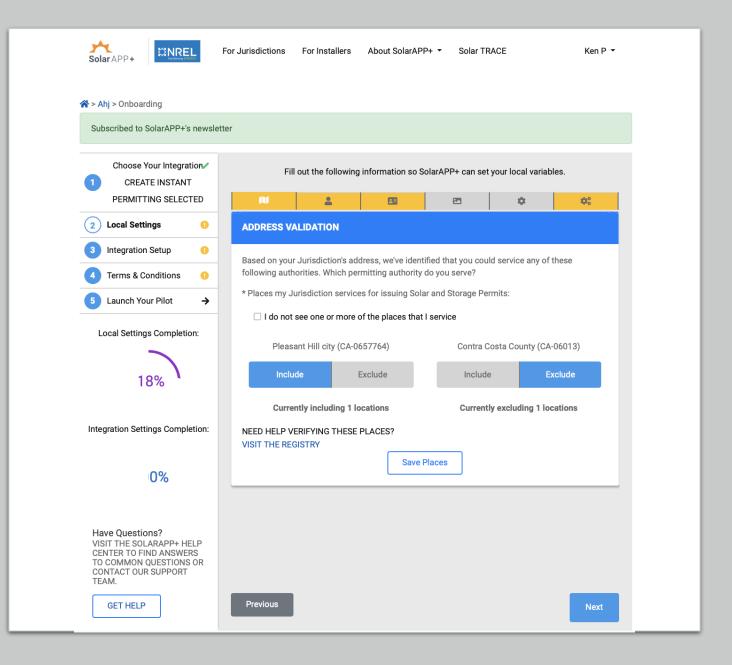
- Set up an instant permit application in your software
- Set up permit payments in SolarAPP

This involves:

- Inviting 1-3 installers to use your SolarAPP permitting process
- Opening up SolarAPP+ permitting to all installers

Next Steps

- Register to learn more at: https://solarapp.nrel.gov/register.
- Join us for a follow up webinar on 7/28 hosted by the National League of Cities:
 - bit.ly/solarapp-nlc
- Are you an inspector? Take IREC's SolarAPP+ inspection training:
 - https://cleanenergytraining. org/products/inspecting-asolarapp-system.



Thank you for attending!

- Sign up and learn about SolarAPP+ at solarapp.nrel.gov
- Find all SETO events & webinars at energy.gov/seto-events
- Register for the National League of Cities (NLC) SolarAPP+ webinar at bit.ly/solarapp-nlc
- Join in on the Summer of Solar at energy.gov/solar

