



SolarAPP+
The Emerging US Permitting Solution













































SolarAPP+ is a standardized plan review software that can run compliance checks and process building permit approvals for eligible rooftop solar systems.

The tool was developed through a collaborative effort to accelerate rooftop solar adoption by making it easier for local governments to quickly and safely approve rooftop PV projects for installation

SolarAPP+ Eligibility

SolarAPP+ can cover standardized systems as defined <u>here</u>.

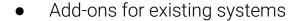
Current Support Parameters

- Residential PV
- Approved equipment
- NEC 2017 & 2020
- 2018 & 2021 i-Codes
- Bus <225A
- Service <400A

Support In Progress

- Residential storage
- Roof Tiles

- PV systems <4PSF
- Single phase utility supply
- No wood shake roofs
- No metal roofs w >15PSF snow load
- Main panel upgrades
- California's Title 24



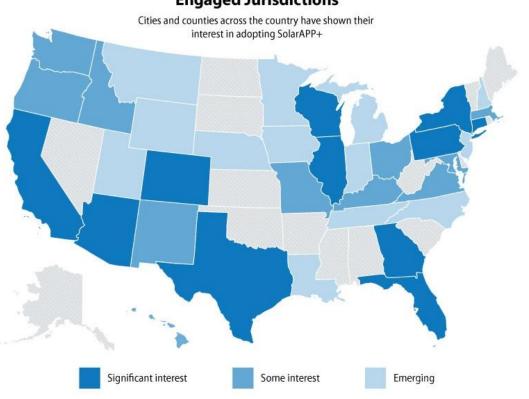


Planned

EV chargers, electric appliances, and more...

Interest in SolarAPP+

Engaged Jurisdictions



Tucson's Experience with SolarAPP+



- 5,000 PV permits issued to date
- 30,000+ kW approved via SolarAPP+
- Over 5,000 hours of staff time saved in plan review
- Piloting PV+ storage

"The permitting process was taking four weeks. Now with SolarAPP+ we give a permit the same day. We just approved about 450 installations in the last 60 days alone."

- Tucson Mayor Regina Romero

SolarAPP+ Pilot Statistics



27,000+

Residential rooftop PV permits approved to date, including 4,500+ revisions

2,400+

Permits approved to date for Solar+Storage projects



By providing instantaneous review SolarAPP+ has reduced the average permit review time to

less than 1 day

saving local government staff over **25,000 hours** in review

No time added

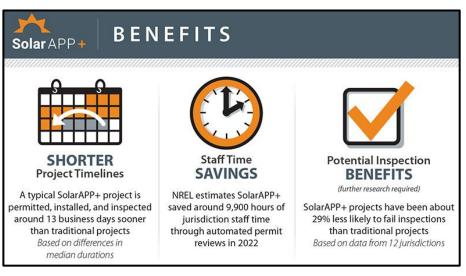
to inspections of PV systems in the field, with improved inspection passage rates from traditional inspections!



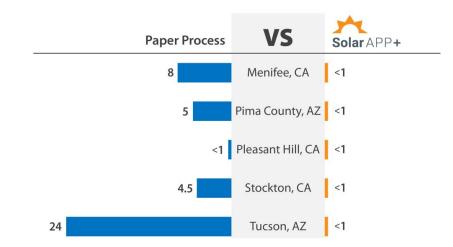
Projects submitted through SolarAPP+ were installed and inspected

13 days faster

on average than projects using the traditional process



Median Business Days for Permit Review



SolarAPP+ Flow

Installer submits an application with design specifications through SolarAPP+

1





SolarAPP+ checks the application to ensure the system design is code compliant



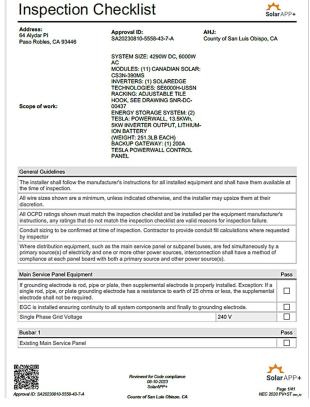
Code compliant applications are issued a permit *instantly* after fee payment

(Review sample approval docs here)

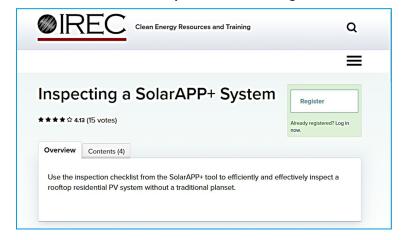
SolarAPP+ Project Inspections

Project Inspection Checklist:

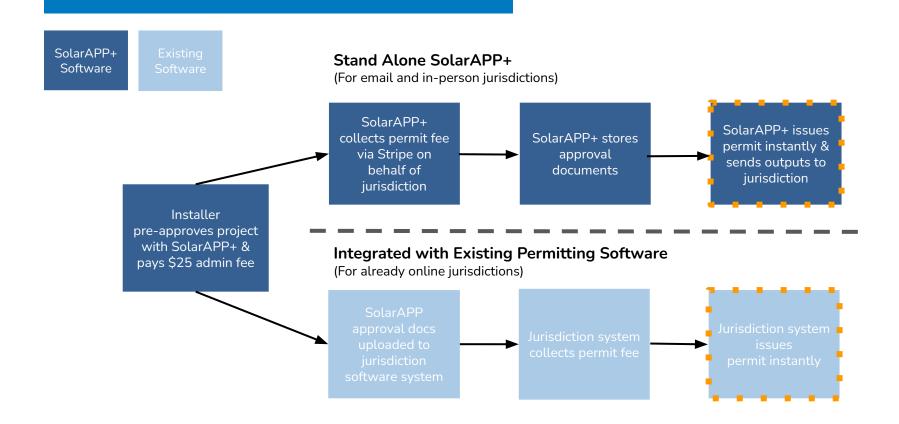




IREC Inspector Training:



Adoption Options



Four Steps to Adopting SolarAPP+



Select the Right Integration



Input Local Settings



Setup Instant
Permit Workflow



Launch

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

• Start registration at solarapp.nrel.gov/register

Email contact: <u>team@solar-app.org</u>

Explore out our FAQs for set-up:

General	Standalone Method	Integration Method
Registration bit.ly/3Yr5vKY	\$680 (A) \$1800	Accela Set-Up: bit.ly/45hgFnK EnerGov Set-Up: bit.ly/3rZqcBv E-TRAKiT Set-Up: bit.ly/3YqQB7n





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