2024 Year in Review

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Who are we and what do we do?

As part of the Customer to Grid Solutions organization it is our goal to serve as the bridge between what APS customers want and what our grid needs by developing and delivering innovative solutions for a clean energy future.

Customer to Grid Solutions

Product & Program
Implementation

Our team responsible for reviewing the interconnection of residential and commercial distributed energy resources (DERs) to the APS grid. Our work ensures compliance with Distributed Generation Interconnection Rules (DGIRs) while upholding APS requirements to protect the safety and reliability of our customers, employees, and the electric distribution system.



Email Volume

Top 5 Email Trends 16% 26% 19% 20% 19% ■ Meter Socket Adapter ■ Scheduling/Access Extensions

■ Cancel Application

In 2024, we processed a total of 27,725 emails—an increase of nearly 10,000 from the previous year.

■ Solar App Status



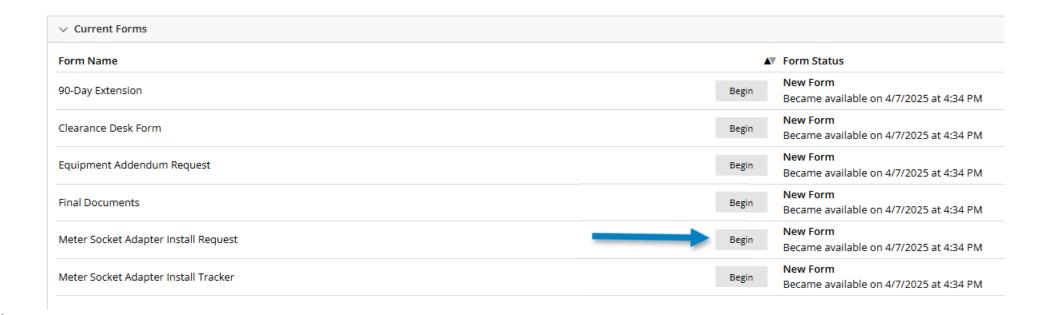
Meter Socket Adapter Reminders (MSA)

The Meter Socket
Adapter Install Request
form will be available
once the application has
been approved.

APS will install the MSA within 5 business days if left on site.

Allow up to 10 business days for APS to schedule an appointment to install the MSA if not left on site.

The MSA must be installed prior to submitting the Final Documents form.

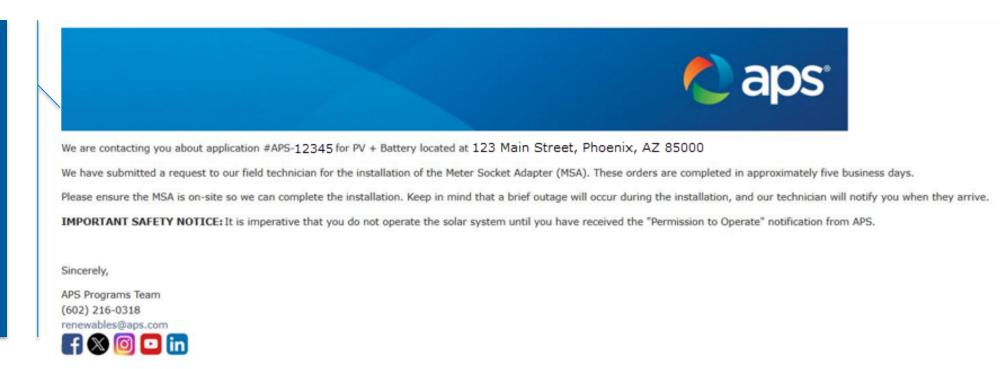




MSA Process Improvements (cont.)

Fillable box on MSA Install Request Form was added to help provide any additional details for our Field Technicians to help avoid delays. Access instructions or additional details (e.g., gate code)

New email communication has been recently added to notify customers and installers when we have processed the MSA Install Request Form.





Scheduling/Access

Applications in the meter set process are worked in the order in which they are received.

Per APS regulations we cannot have any electrical equipment above the gas or water line to ensure the proper workspace clearance is being met. 24- hour unrestricted access is required.

When field corrections are needed it's helpful to provide supporting photos of the revisions made to review.

Access issues will typically require an appointment to be made. Access Scheduled Date should not be set for the same day the form is submitted.

Appointments can be scheduled to help avoid delays in the field when needed.

Our Field Services Team can only accommodate so many appointments per day/week depending on volume.



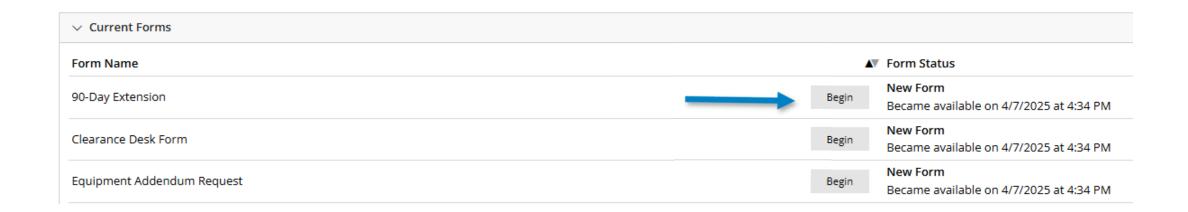


Deadline Extensions

Once an application is approved, the project has **180 days** to be interconnected per the DGIRs

Deadline Communication
Reminders are sent out
automatically from
PowerClerk when a
deadline is approaching

We have developed a selfserve extension form that can be submitted directly on the application. The 90-Day Extension
Request Form is available
after application approval.
The form is used to
request a one-time 90day extension to the 180day deadline.





Application Status



PowerClerk Milestones/ Goals

- Initial review within 14 calendar days
- Final Review within 14 calendar days
- Meter Installation/Exchange within 10 business days

Applicant User Guide can be referenced as this contains information regarding next steps for each status milestone.

Granting Customers Access

- View/Edit Application
- Access Grants For This Project
- Customer email address

∨ Access Grants For This Project ②		
No project grants have been granted for project: APS- 123456		
Grantee Email Address: customer@email.com	Read OnlyRead/Write	Add Grant



Who Signs What?

Who is an Authorized Signer?

- APS Account Holder
- Joint APS Account Holder
- Authorized Party (Commercial Accounts)



Document	Signed	Second
Name:	by:	Signature by:
Interconnection	APS account	If different, the
Agreement	holder	System Owner
Authorization	APS account	If different, the
Form	holder	Property Owner
Consumer Acknowledgement	System owner or lessee	
Disclaimer	APS account holder	
Executed Contract	Installer	System owner or lessee



Reminders

APS Owned Solar Systems

Customers CANNOT install a customer owned system if they are part of a program with an APS owned system

- Solar Partner Program (SPP)
- Solar Communities Program (SCP)

How to identify a customer on these programs:

- They have equipment labeled "APS owned"
- They receive a credit on the APS bill for Solar Partner Program or Solar Communities Program

APS Rates/Rate Rider knowledge

The current Resource Comparison Proxy (RCP) export rate is 6.85 cents per KWh, effective September 1, 2024.

To remain locked into their current grandfathered net metering rate or RCP export rate, the capacity of the customers solar generation unit may not increase by more than a total of 10% or 1 kW-AC, whichever is greater.

Additional resources for rates/rate riders available on aps.com



2024 by the Numbers

Residential

Applications: 12,322

Installations: 10,533--108 MW DC

- APS Average Review times for 2024 (Calendar Days)
 - APS review and approval of customer/installer application: 7
 - APS review of installation clearances/paperwork and meter order: 7

Commercial

• Applications: 195

• Installations: 156 – 16 MW DC

- APS Average Review times for 2024 (Calendar Days)
 - APS review and approval of customer/installer application: 8
 - APS review of installation clearances/paperwork and meter order: 8

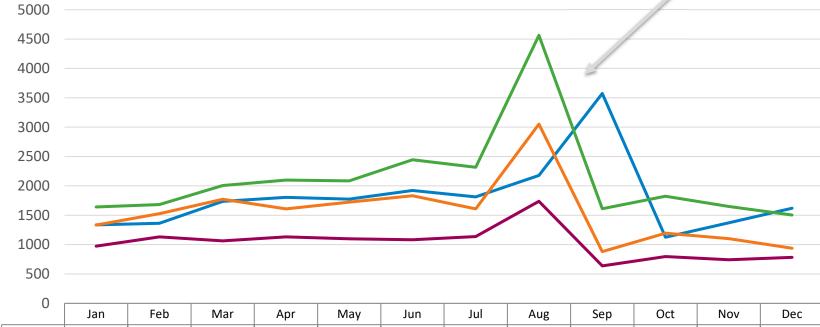
Residential all-time installations 187,140 = 1,676 MW DC

Commercial all-time is 2,380 systems installed. 404 MW DC



Application Volume

The application increase we see in late summer is due to the annual tranche step down. This usually is followed by lower numbers for the remainder of the year.



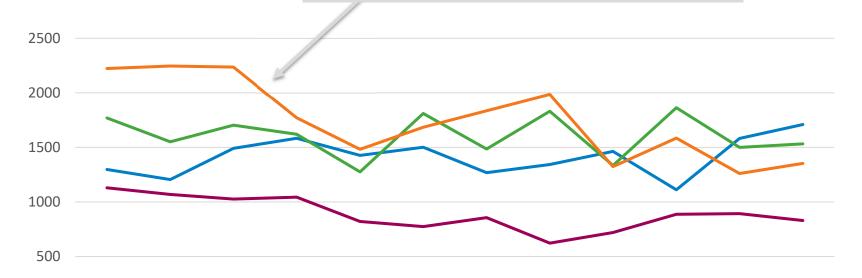
Year	Total
2021	21,622
2022	25,431
2023	18,570
2024	12,322

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	o [Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
-	2021	1337	1364	1737	1805	1774	1923	1812	2177	3574	1126	1373	1620
-	2022	1,642	1,682	2,007	2,100	2,085	2,445	2,316	4,564	1,611	1,824	1,651	1,504
_	 2023	1,333	1,526	1,772	1,609	1,722	1,831	1,608	3,052	881	1,195	1,102	939
_	 2024	975	1131	1065	1131	1100	1082	1138	1738	638	798	743	783



Installation Volume

The installation increase we see towards the beginning of the year is driven by the application volume around the tranche step down in the previous year.



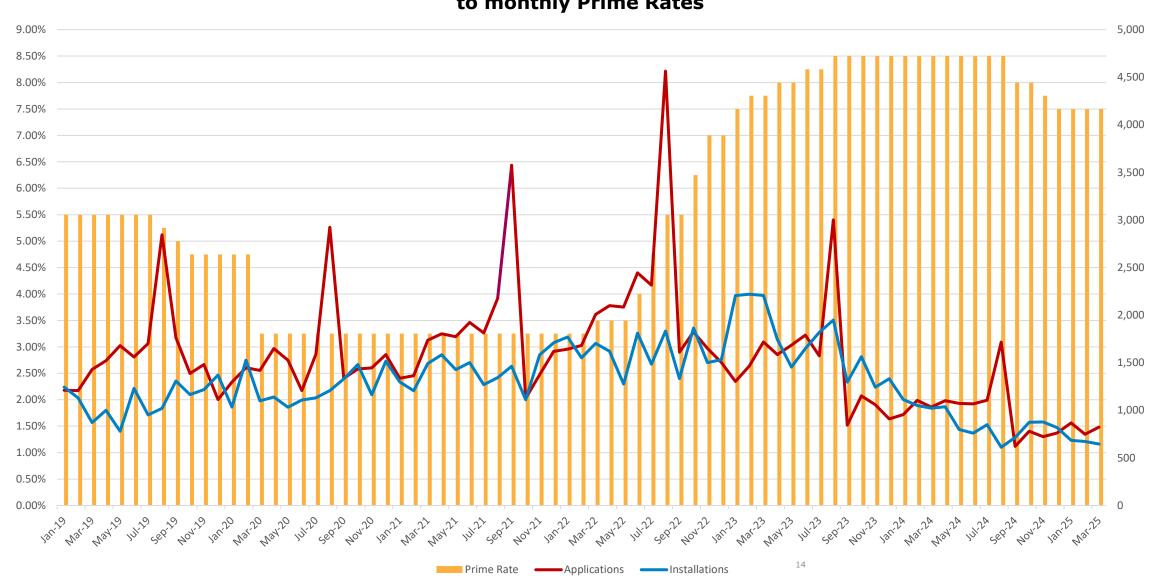
Year	Total
2021	16,987
2022	19,282
2023	20,991
2024	10,678

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O	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2021	1298	1205	1491	1584	1427	1502	1269	1343	1463	1112	1583	1710
2022	1,770	1,552	1,704	1,621	1,276	1,811	1,485	1,832	1,334	1,864	1,501	1,532
2023	2,223	2,246	2,237	1,771	1,483	1,685	1,836	1,985	1,324	1,586	1,261	1,354
2024	1130	1070	1027	1044	822	775	856	623	720	887	893	831





Historical Residential Solar Applications and Installations in relationship to monthly Prime Rates





Historical Residential Solar Purchased and Leased Systems in relationship to monthly Prime Rates

