



Pennsylvania Solar Update

MSSIA – 3rd Qrtly Mtg
October 23, 2025

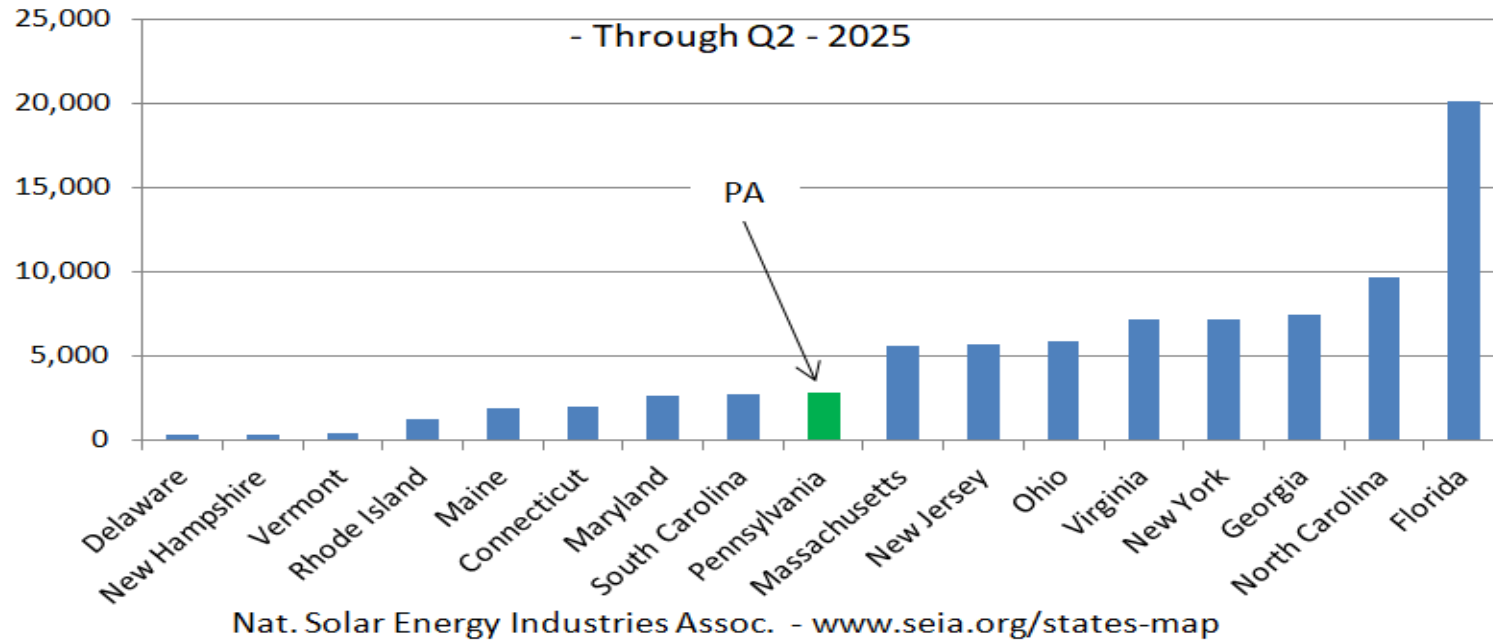


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PASSIA - President
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Solar Update Highlights in PA – 10/23/2025

- Current in-state solar PV capacity in PA is **2,649 MW_{DC}**, from a total of 77,559 systems, as of 10/22/2025.
- PJM Queue for PA – 14.0 GW (258 applications: Active, Engineering/Procurement, and Under Construction-including in partial service.
- HB501 – (PRESS) - AKA. the Alternative Energy Portfolio Standards Act; 35% Clean Energy by 2035 in Tier 1; Amendment language pending, which includes DG solar DG eligible for Tier 1 & Tier 2 AECS, and opening 2 mile limit for virtual meter aggregation to full EDC territory; 06/02/2025 H - Voted Favorably From Committee - House Environmental and Natural Resource Protection, with two follow-up hearings.
- HB502 – (RESET) An Act amending Title 27 (Environmental Resources) of the Pennsylvania Consolidated Statutes, establishing the Reliable Energy Siting and Electric Transition Board; for large generation systems (25 MW); 06/25/2025 S - Discussed during voting meeting - Senate Environmental Resources and Energy
- HB504 - An Act providing for **community energy** facilities; imposing duties on the Pennsylvania Public Utility Commission, electric distribution companies and subscriber organizations; Passed the House, referred to Senate Consumer Protection and Professional Licensure (05/22/2025)
- SB349 - An Act amending Title 27 (Environmental Resources) of the Pennsylvania Consolidated Statutes, in environmental protection, providing for decommissioning of solar energy facilities. Passed the Senate; Reported as committed - House Environmental and Natural Resource Protection
- Memos – Solar Ready Warehouses; Smart Solar Siting Act (net metering, merchant generators ?); Plug in Solar (Balcony Solar)
- PPL Rate Case (proposing 100 kW tripwire with power flow in either direction designates higher rate class at LMP; similar to UGI default supply plan (DSP), and Citizens Power and Wellsboro rate cases.
- Solar for Schools Program – Possibly many schools will not use grants for solar projects – RFPs still need to be developed; short timeline before ITC runs out.
- Interconnection application delays – VoteSolar prepared a draft letter strongly urging the PUC to immediately address several of the issues.
- Rate increases - capacity auction, data centers, AI, EVs, electrification.....

Total Solar Capacity (MW) Installed by State on the East Coast

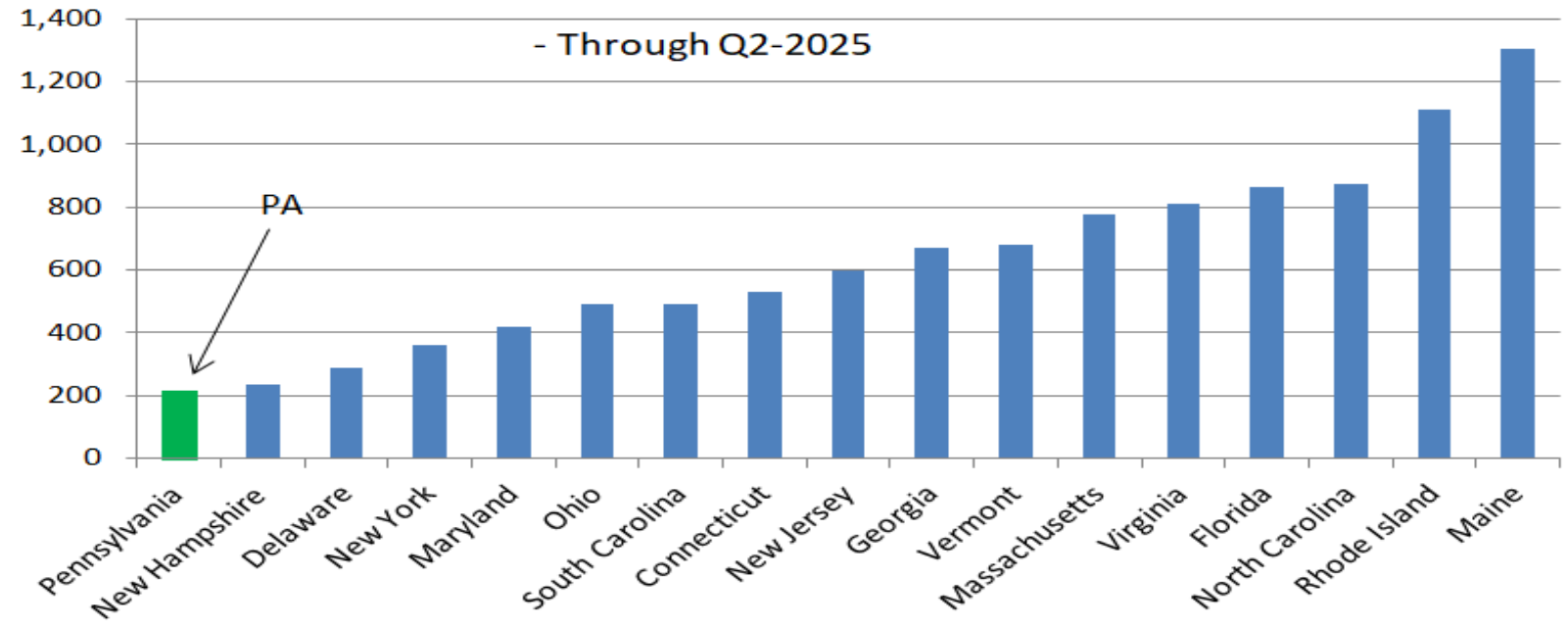


Solar in Other East Coast States Compared to PA

Solar in Pennsylvania Ranks 21st in the Nation

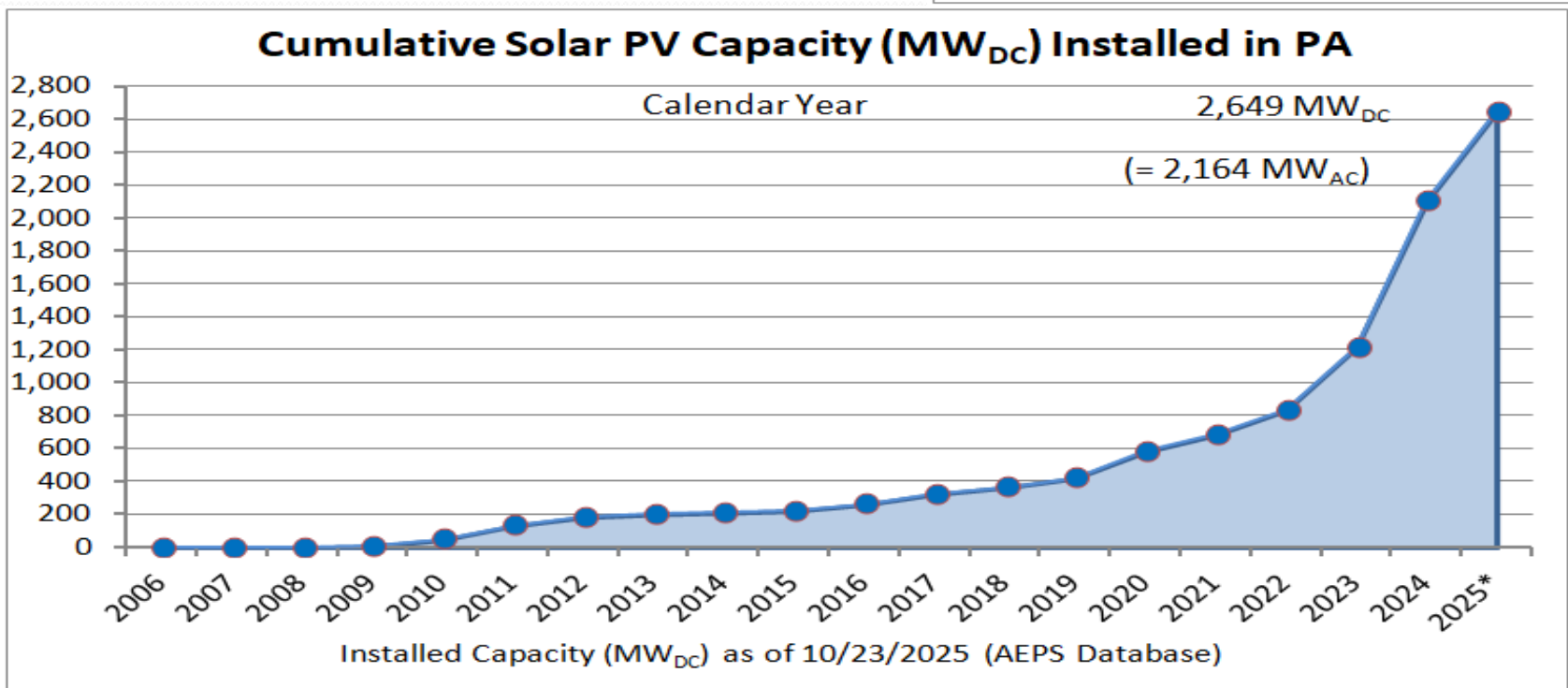
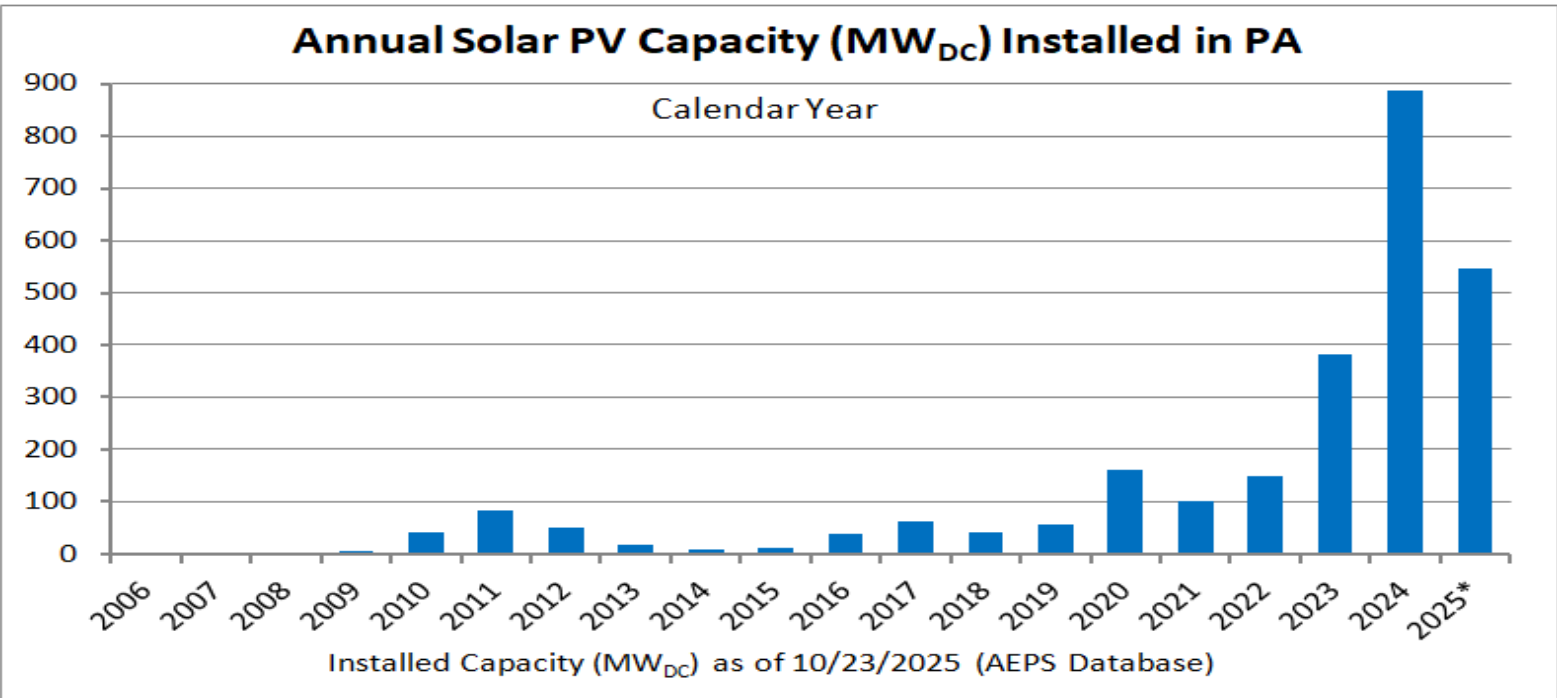
SEIA – Qrt 2, 2025

Total Solar PV Installed per Capita (MW/Million)



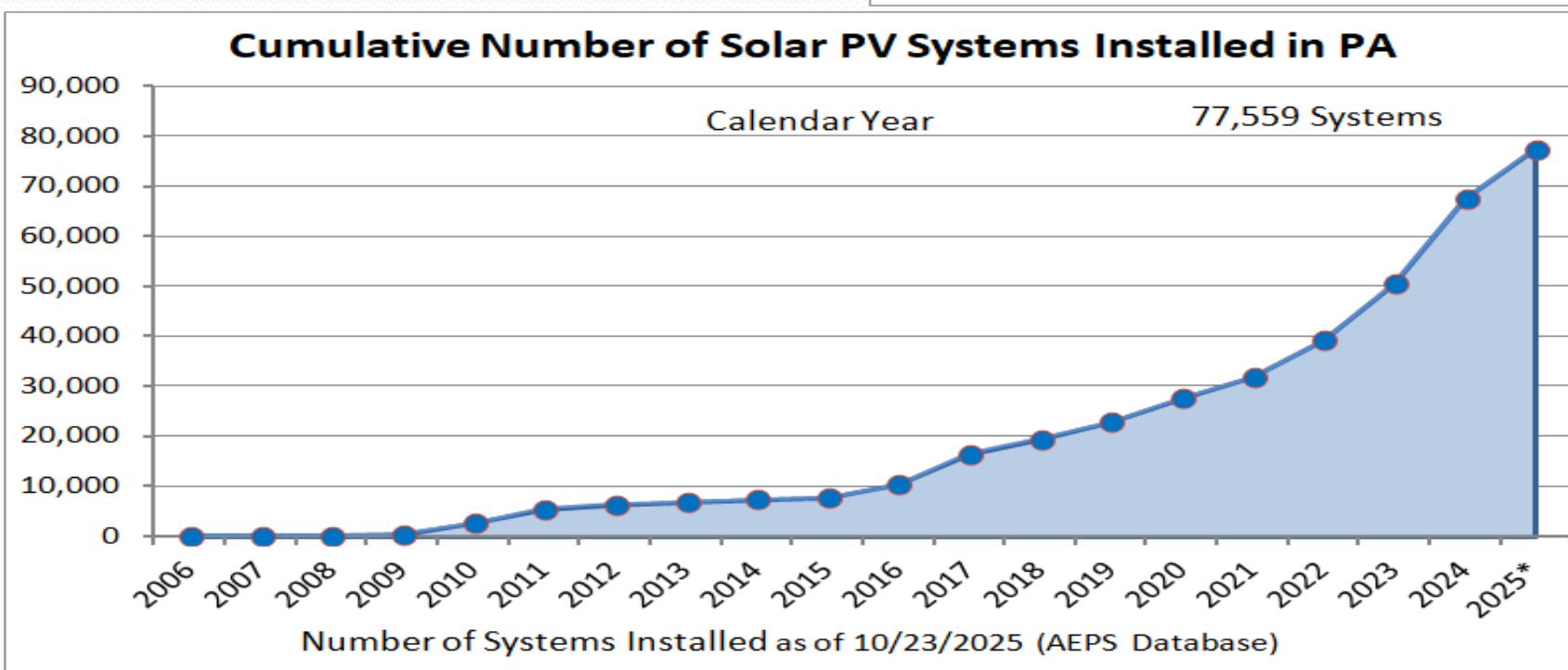
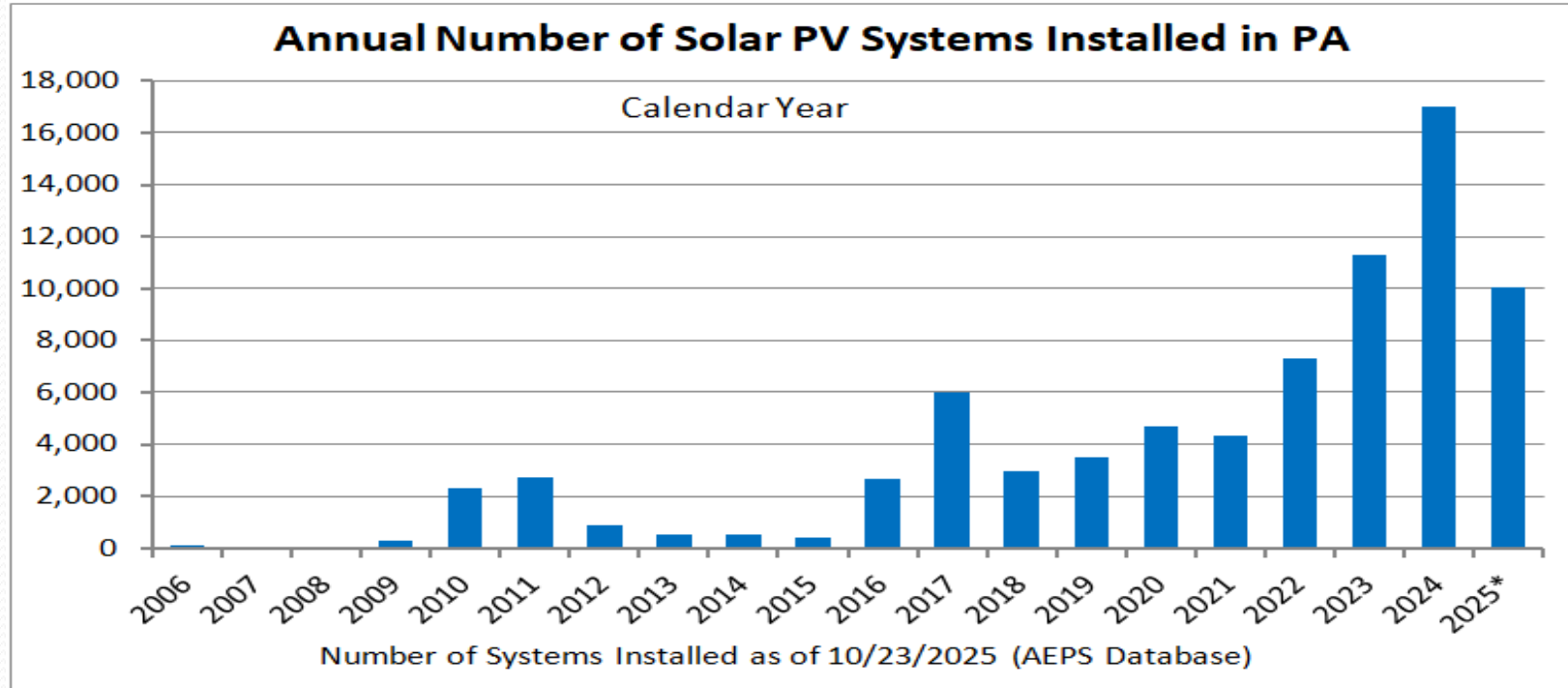
PV Capacity in PA Annual & Cumulative

As of 10/23/2025



SEIA reports 2,826 MW installed through Qrt 2-2025

Number of PV Systems in PA Annual & Cumulative As of 10/23/2025



Breakdown Of PV Installations in PA

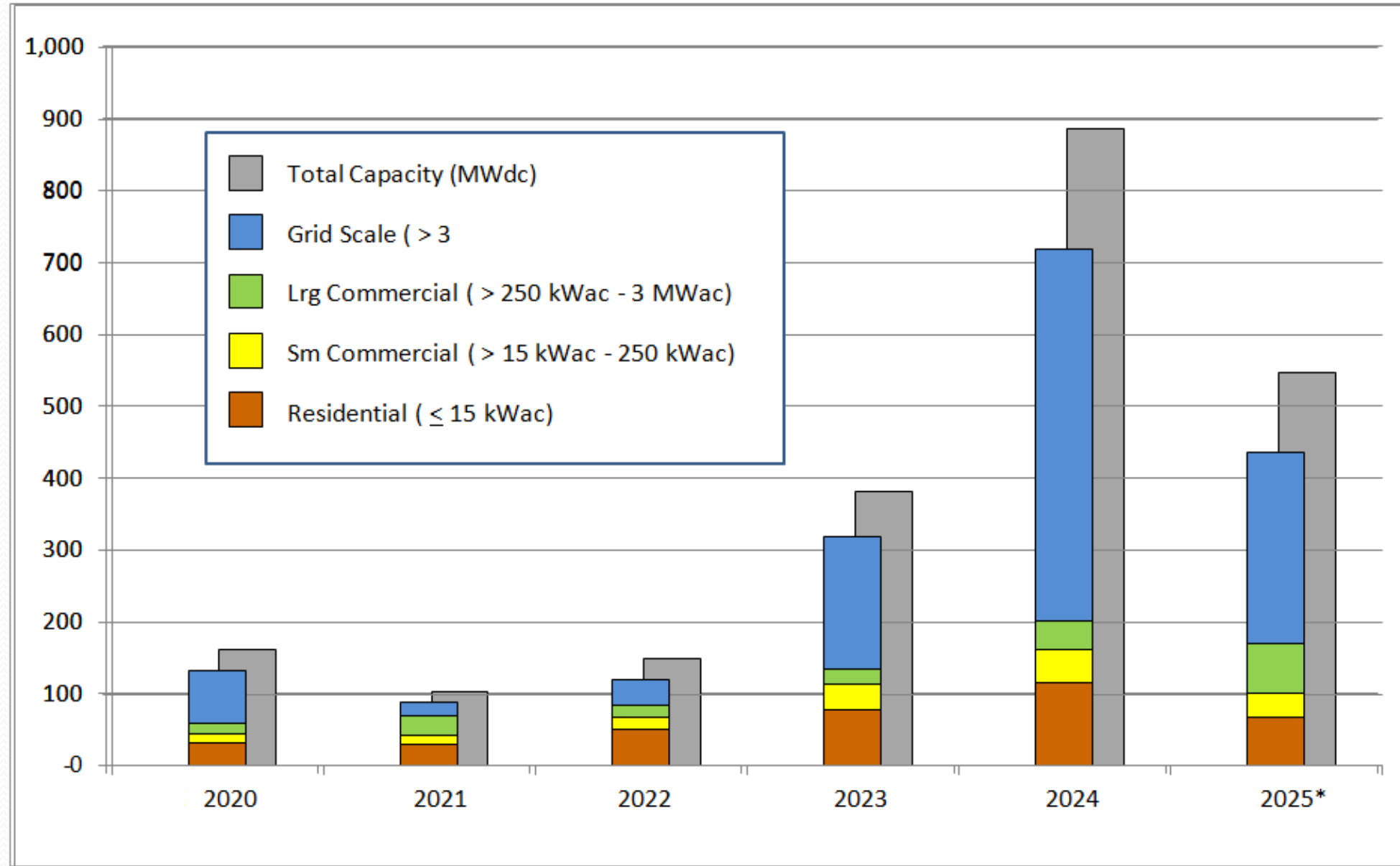
Cumulative PV Installed in PA (DC)		
Capacity (DC)	# of Systems	Total MW
≤ 15 kW	63,907	534
> 15 kW to ≤ 250 kW	13,191	365
> 250 kW to ≤ 1 MW	306	148
> 1 MW to ≤ 3 MW	87	134
> 3 MW to ≤ 5 MW	33	127
> 5 MW to ≤ 10 MW	2	14
> 10 MW	33	1,327
Total	77,559	2,649

* as of 10/23/2025 as per PA AEPS (PUC)

Cumulative PV Installed in PA (AC)		
Capacity (AC)	# of Systems	Total MW
≤ 15 kW	69,811	513
> 15 kW to ≤ 250 kW	7,341	230
> 250 kW to ≤ 1 MW	288	143
> 1 MW to ≤ 3 MW	80	161
Total DG Solar (NEM)	77,520	1,047
> 3 MW to ≤ 5 MW	5	19
> 5 MW to ≤ 10 MW	2	15
> 10 MW	32	1,083
Total Grid Scale	39	1,117
Total	77,559	2,164

* as of 10/23/2025 as per PA AEPS (PUC)

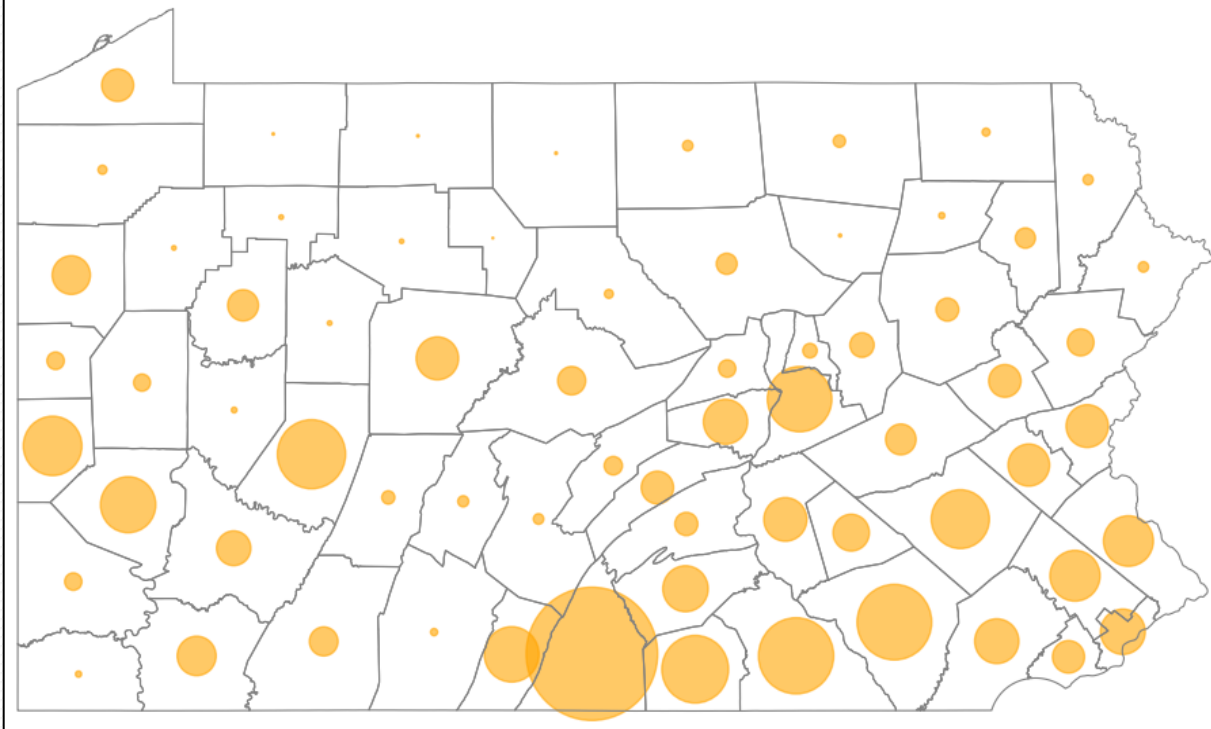
Annual Solar PV Capacity (MW) Installed in PA: AC vs DC



* as of 10/23/2025 as per PA AEPS (PUC)

Solar PV Installations in PA by County

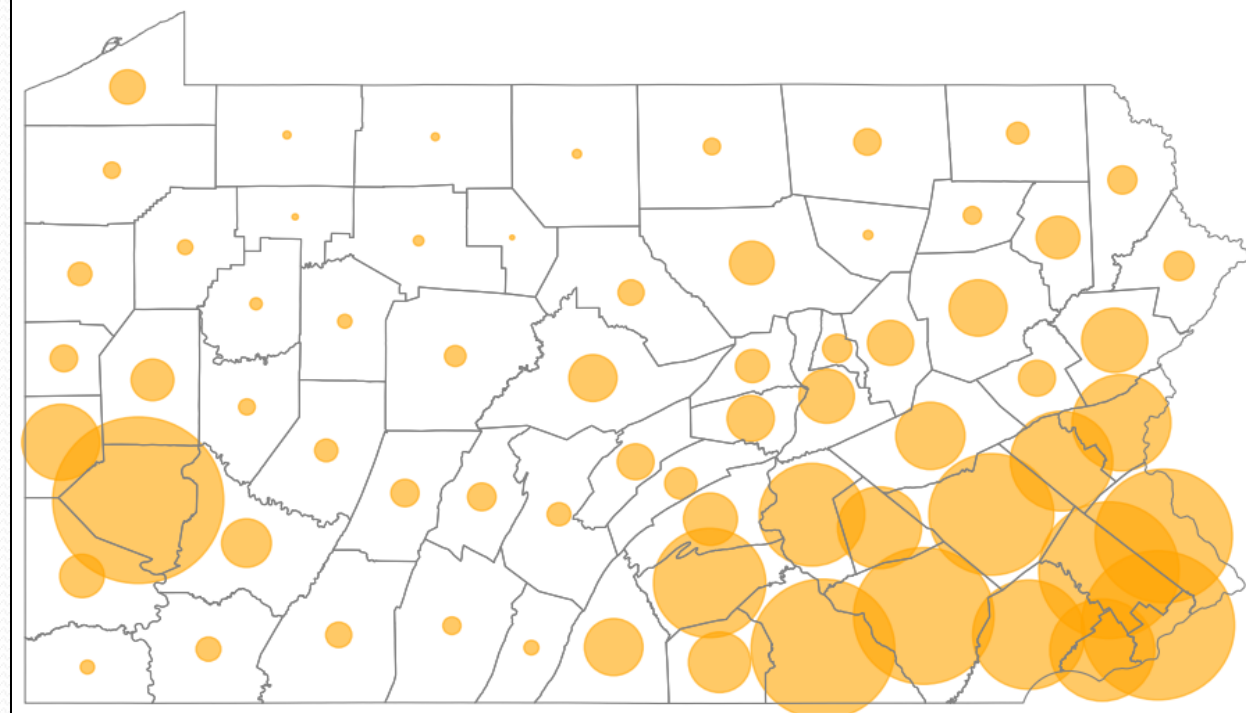
Total Solar PV Capacity (MW in DC) by County in PA as of 10-22-2025



0.5% Solar PV Requirement = 525.0 MW_{AC} Solar PV Capacity
534.4 MW_{AC} had been installed in PA by 5/31/2021

Currently, 2,164 MW_{AC} is installed (as of 10/23/2025), or the solar share in PA = **2.06%**

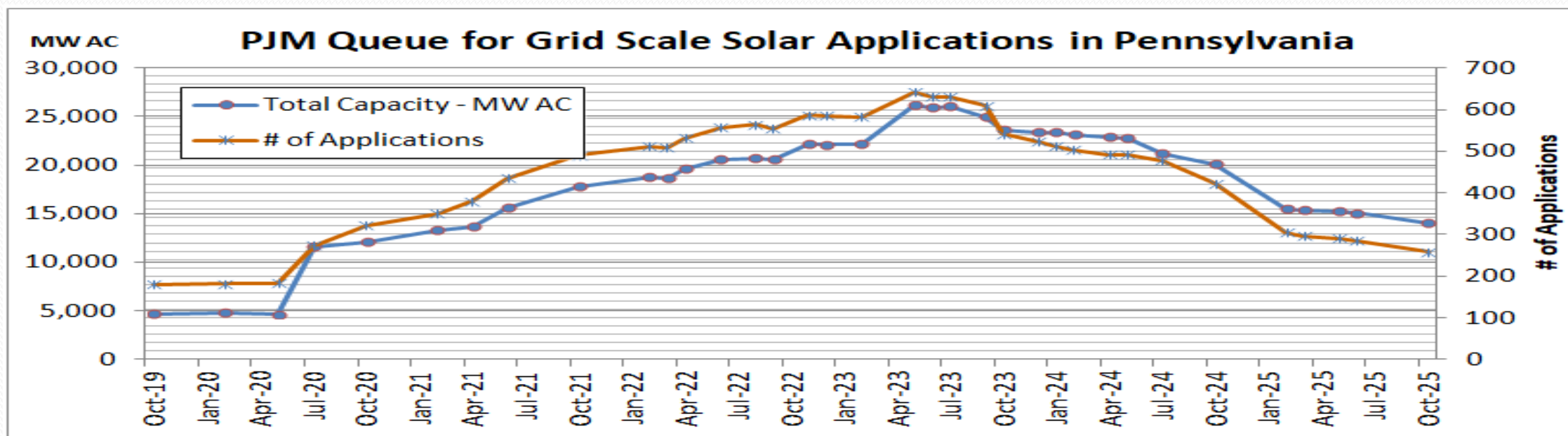
Total Number of Solar PV Systems Installed by County in PA as of 10-22-2025



PJM Queue for PA Solar Applications

PJM Queue for PA		As of 10/23/2025			
Status	# of Apps	Max Facility Output (MFO)			Total Cap IC Queue Position
		Total Cap AC MW	Capacity Range		
			Min	Max	
Active	205	11,757	3.0	300.0	5,051
Engineering/Procurement	43	1,827	13.5	162.0	851
Under Construction	9	355	12.0	120.0	189
Part in Srvc - Under Const	1	80	80.0	80.0	48
Sub-Total	258	14,018			6,139
In Service	44	1,221	3.3	150.0	664
Grand Total*	302	15,239			6,803

* Total Applications categorized as "Solar & Storage" = 51

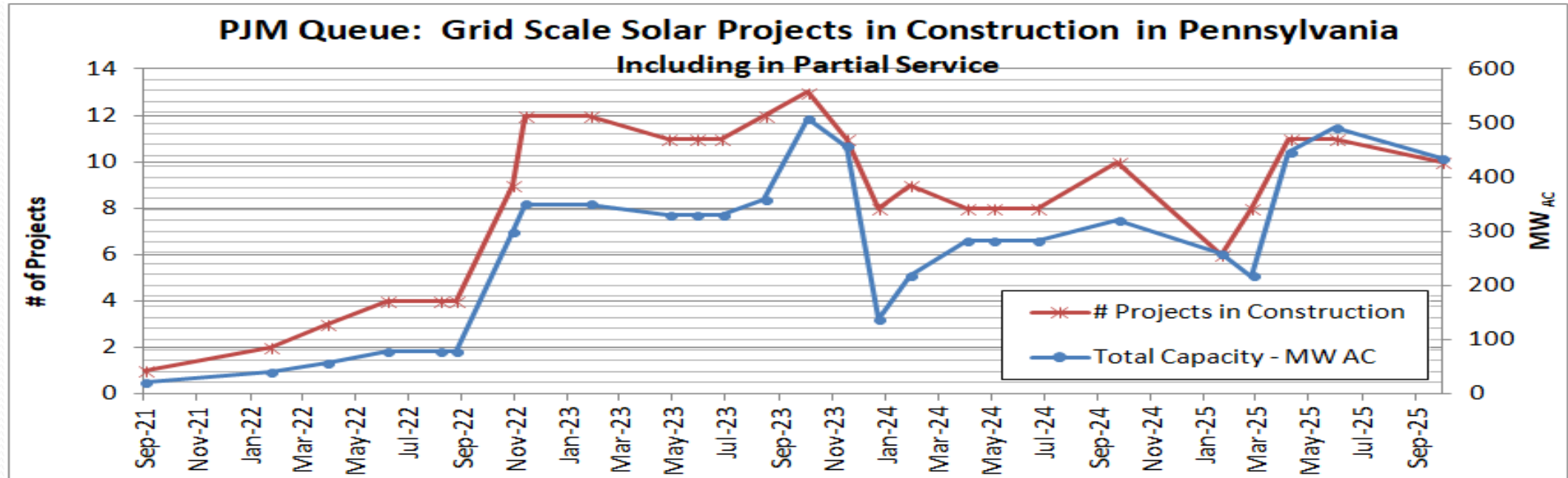


PJM Queue for PA Solar Facilities - Under Construction

Projects Currently Under Construction - Solar PV Facilities in PA (10/23/2025)

Including In Partial Service (*)

Queue #	Name	Commercial Name	State	County	Transmission Owner	MFO Capacity MW
AE1-079	Maysville-Sharon 69 kV	Welcome Solar, LLC	PA	Mercer	ATSI	19.9
AE1-237	Andover (Maysville) 69kV I	Welcome Solar II	PA	Crawford	ATSI	19.9
AE2-074	Potter 46 kV	Potter Solar	PA	Potter	APS	35.0
AE2-113	Farmers Valley-Ridgeway 115 kV	Ridgeway Solar	PA	McKean	PENELEC	120.0
AE2-131	Philipsburg-Karthaus 34.5	UN-Kylertown	PA	Westmoreland	PENELEC	20.0
AE2-316	Brookville-Squab Hollow 138 kV	Squab Solar	PA	Jefferson	PENELEC	90.0
AE2-343	Andover (Maysville) 69 kV II	Welcome Solar III, LLC	PA	Crawford	ATSI	17.9
AF1-254	Milnor-Huyetts 34.5 kV	FR-Williamsport	PA	Franklin	APS	20.0
AG1-198	Union City 34.5 kV	Union City 34.5 kV	PA	Erie	PENELEC	12.0
AE2-175*	Jackson-Long Pond 69 kV	Swiftwater Solar	PA	Monroe	PPL	80.0
Total (MW_{AC})		* In Partial Service				434.7



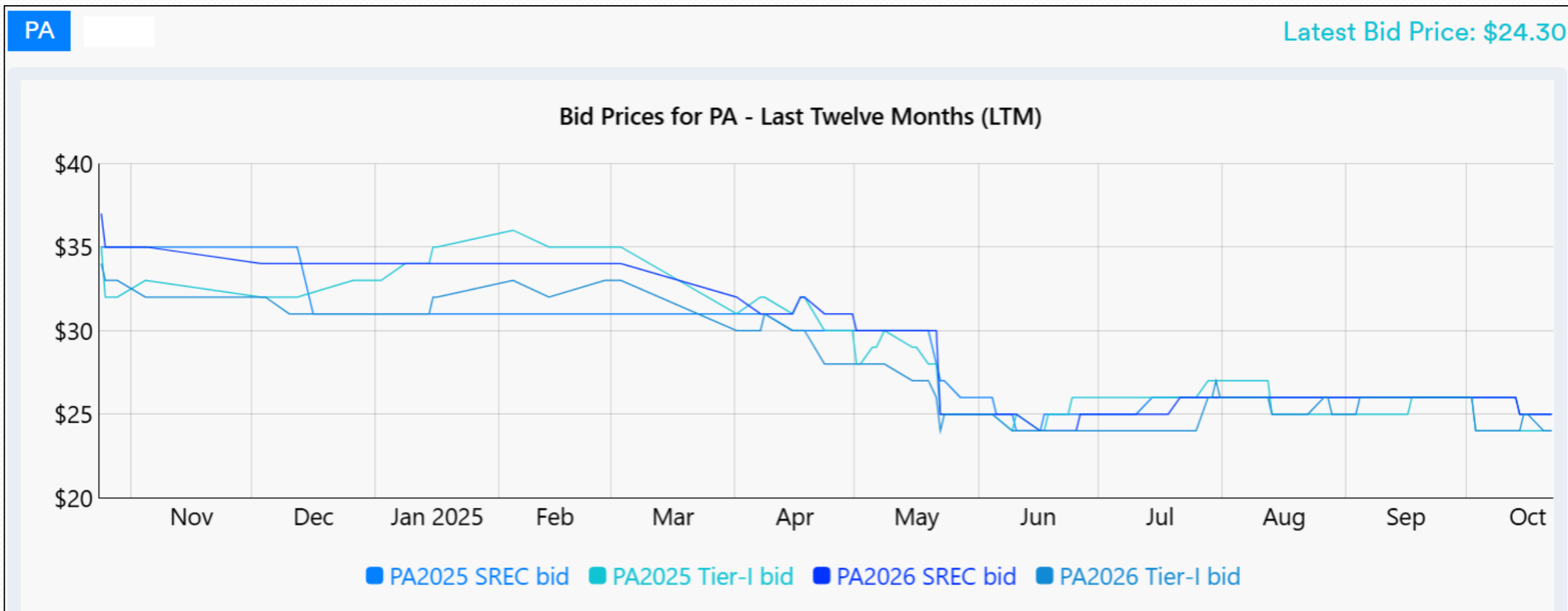
PA Grid Scale Solar Facilities – In Service in 2023/2024/2025

In Service in 2023/2024/2025

Queue #	Name	Commercial Name	State	County	Transmission Owner	MFO Capacity MW _{AC}	Actual In Service Date
AE2-129	Philipsburg-Clarence 34.5 kV	Philipsburg-Clarence 34.5 kV	PA	Clearfield	PENELEC	20	1/28/2023
AE2-126	Dubois-Curwensville 34.5 kV	CL-Viaduct	PA	Clearfield	PENELEC	20	3/23/2023
AF2-184	McConnellsburg-Mercersburg 34 kV II		PA	Franklin	APS	20	5/1/2023
AC2-168	Clinton 23kV	Gaucha Solar	PA	Washington	DL	11.7	6/29/2023
AD1-135	Clinton 23 kV II	Gaucha Solar	PA	Washington	DL	20	6/29/2023
AE2-115	Midland 23 kV II	BE-PINE 2 Dam Road	PA	Beaver	DL	17.1	11/5/2023
AE2-114	Midland 23 kV I	BE-PINE 1 Cain Road	PA	Beaver	DL	17.1	11/20/2023
AE2-224	Bear Rock-Johnstown 230 kV	CPV Maple Hill Solar	PA	Cambria	PENELEC	100	11/28/2023
AD2-115	Lyons-Moselem 69kV	Lyons Solar	PA	Berks	ME	20	12/1/2023
AE2-060	Mifflintown Bus-Mifflintown Tap 69 kV	Cottontail Solar 5 aka Walker Solar	PA	Juniata	PPL	20	12/12/2023
	Subtotal					266	2023
AD2-116	Hokes-Grantley 69 kV	Cottontail Solar 2	PA	York	ME	20	3/1/2024
AD1-020	Hunterstown-Lincoln 115 kV	Adams Solar LLC	PA	Adams	ME	80	3/21/2024
AD2-009	McConnellsburg 138 kV	Great Cover Solar LLC	PA	Fulton	APS	70	4/16/2024
AE1-196	Hokes-Jackson 69 kV II	Cottontail Solar 8	PA	York	ME	20	4/24/2024
AE2-133	Penns Tap-Richfield Tie 69 kV	Penn Solar (Cottontail 6)	PA	Snyder	PPL	20	5/8/2024
AE1-101	McConnellsburg-Texas Eastern 138 kV	Great Cove Solar II	PA	Franklin	APS	150	6/6/2024
AE1-185	Hokes-Jackson 69 kV	Cottontail Solar 1	PA	York	ME	20	8/12/2024
AE2-059	Derry Tap-Derry Bus 69 kV	Cottontail Solar 4 aka East Chilli Solar	PA	Northumberland	PPL	20	8/20/2024
AF1-021	Bethelboro-Connellsville #1 25 kV	Dunbar Solar	PA	Fayette	APS	14	10/18/2024
AF1-022	Lake Lynn-Uniontown 25 kV	Gans Solar Farm	PA	Fayette	APS	14	12/3/2024
AE2-125	Stahlstown-Ligonier 25 kV	Stahlstown-Ligonier 25 kV	PA	Westmoreland	APS	13.8	12/4/2024
AF1-039	Listonburg-Highpoint 24.9 kV	Listonburg Solar	PA	Somerset	PENELEC	15	12/26/2024
	Subtotal					457	2024
AF1-006	Fairview East 34.5 kV	Erie Solar	PA	Erie	PENELEC	20	1/29/2025
AE2-054	Warfordsburg 34 kV	Blairs Valley	PA	Franklin	APS	20	1/30/2025
AE1-071	Shade Gap-Roxbury 115 kV	Aspen Road Solar	PA	Franklin	PENELEC	100.1	2/28/2025
AF2-130	Cobalt Corners 34.5 kV	Cobalt Solar	PA	Clarion	PENELEC	18.9	5/26/2025
AG1-386	Smith-Francis Junction 25 kV	Smith-Francis Junction 25 kV	PA	Washington	APS	20	7/11/2025
AF2-165	Clark Summit-Emlenton 34.5 kV	Cardinal Solar	PA	Venango	PENELEC	18.9	7/22/2025
AE2-042	Milton 69 kV	Northumberland Solar	PA	Northumberland	PPL	65	8/18/2025
	Subtotal					263	2025
	Total (MW_{AC})					986	2023/24/25

Current PA SACP = \$74.06/SREC

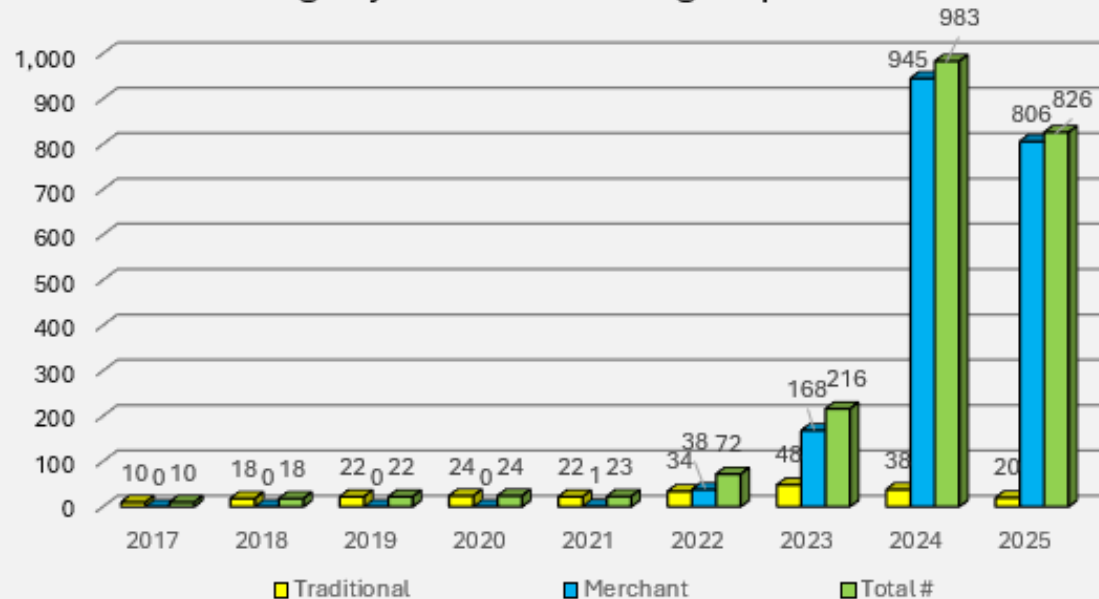
Current PA SREC Prices



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Current Status of BTM Interconnection Requests in PA (>500 kW) – 10/22/2025

Large System Net Metering Requests



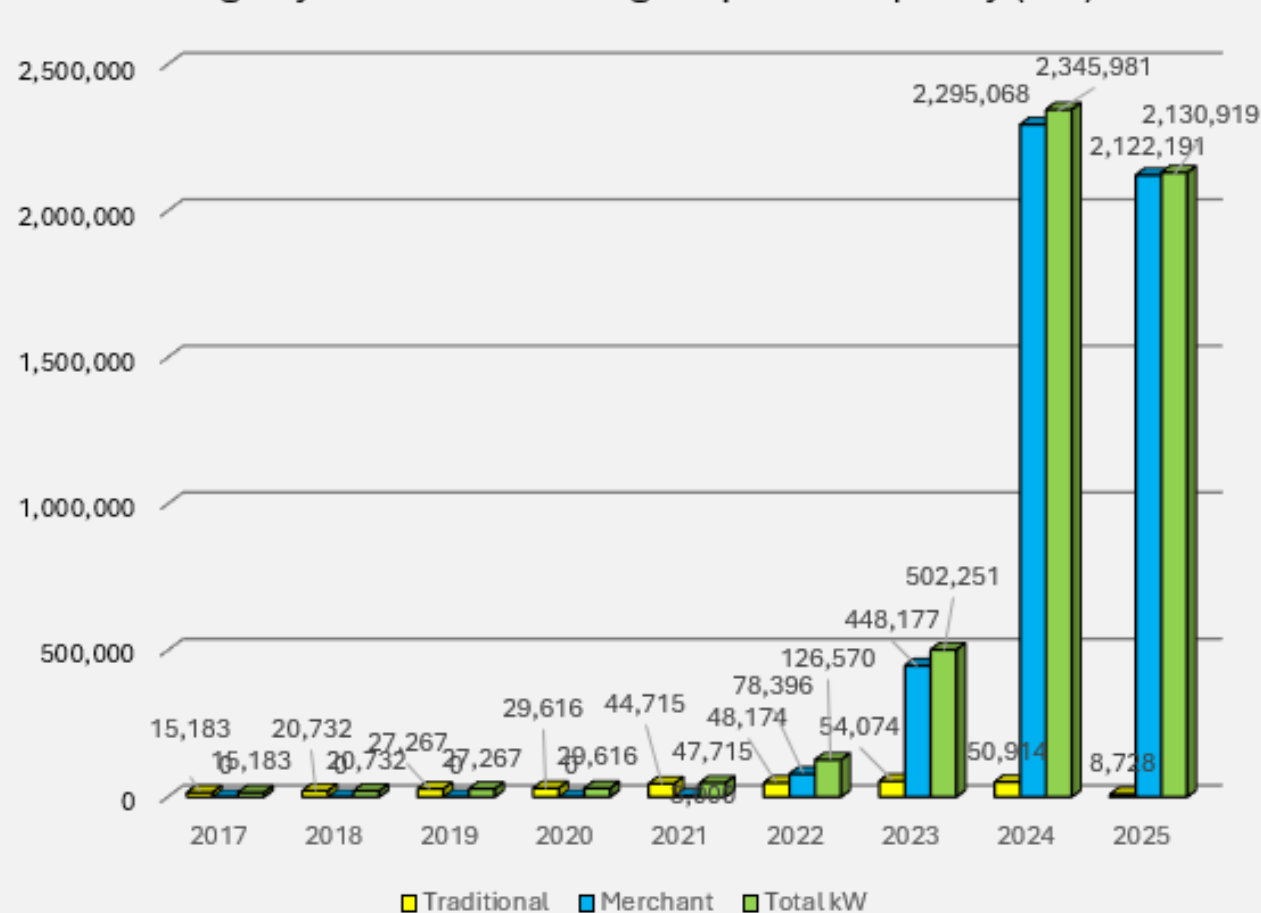
RANKING FROM DECEMBER 2016 THROUGH OCTOBER 22, 2025

EDC / Rate District	Systems	kW
Penelec	754	1,899,048
West Penn	480	1,252,238
PPL	649	1,418,044
Penn Power	294	745,848
Met-Ed	220	553,270
DLC	38	89,326
PECO	27	34,196
UGI	19	37,750
Wellsboro	3	3,750
Citizens	2	2,434

RANKING FROM JANUARY 1, 2025 THROUGH OCTOBER 22, 2025

EDC / Rate District	Systems	kW
PPL	308	712,878
Penelec	248	669,716
West Penn	103	290,721
Penn Power	92	249,440
Met-Ed	65	177,264
DLC	8	21,500
UGI	4	10,000
PECO	1	600
Citizens	0	0
Wellsboro	0	0

Large System Net Metering Requests Capacity (kW)



Thank You!!