



# Pennsylvania Solar Update

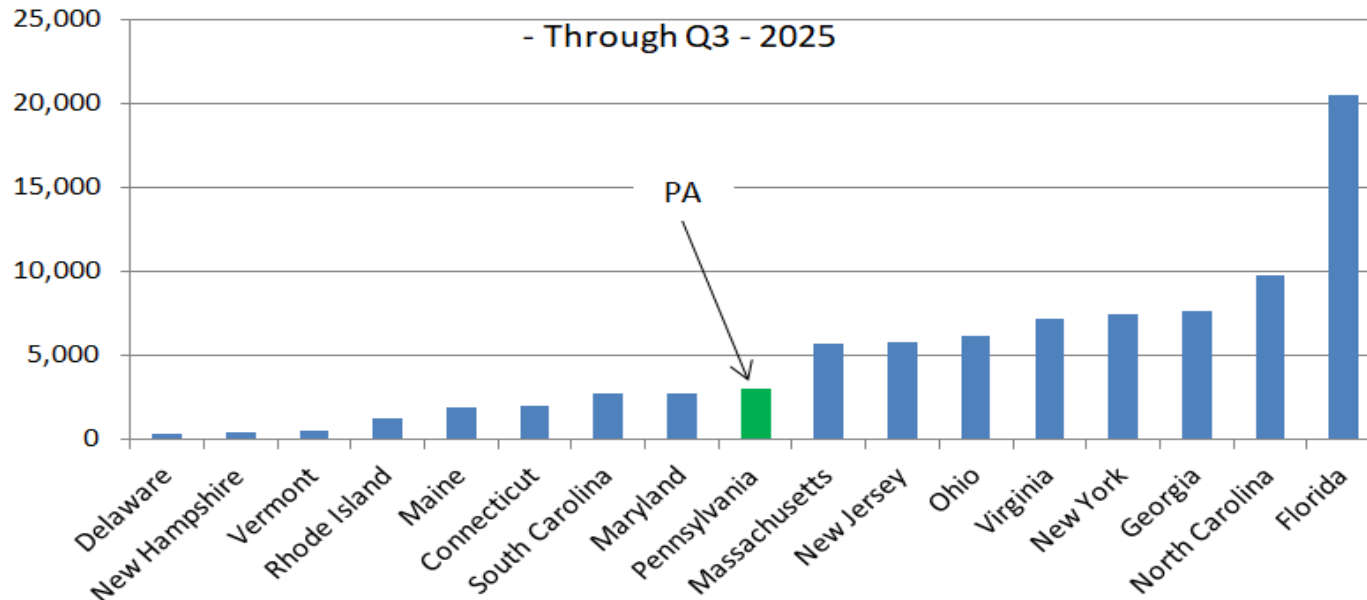
MSSIA – 1st Qrtly Mtg  
February 17, 2026



Ron Celentano – MSSIA - VP for Pennsylvania  
PASSIA - President  
([celentanoR@aol.com](mailto:celentanoR@aol.com))

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

- Through Q3 - 2025



Nat. Solar Energy Industries Assoc. - [www.seia.org/states-map](http://www.seia.org/states-map)

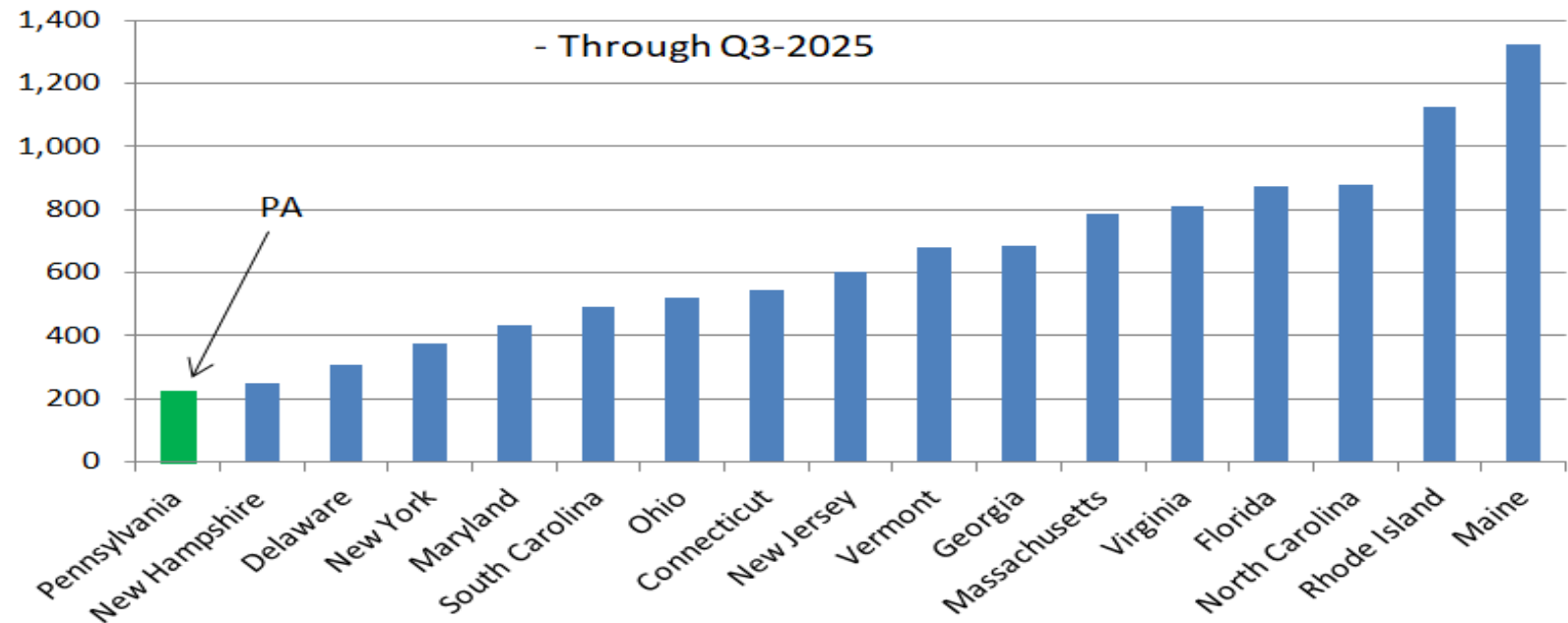
## Solar in Other East Coast States Compared to PA

### Solar in Pennsylvania Ranks 20<sup>th</sup> in the Nation

SEIA – Qrt 3, 2025

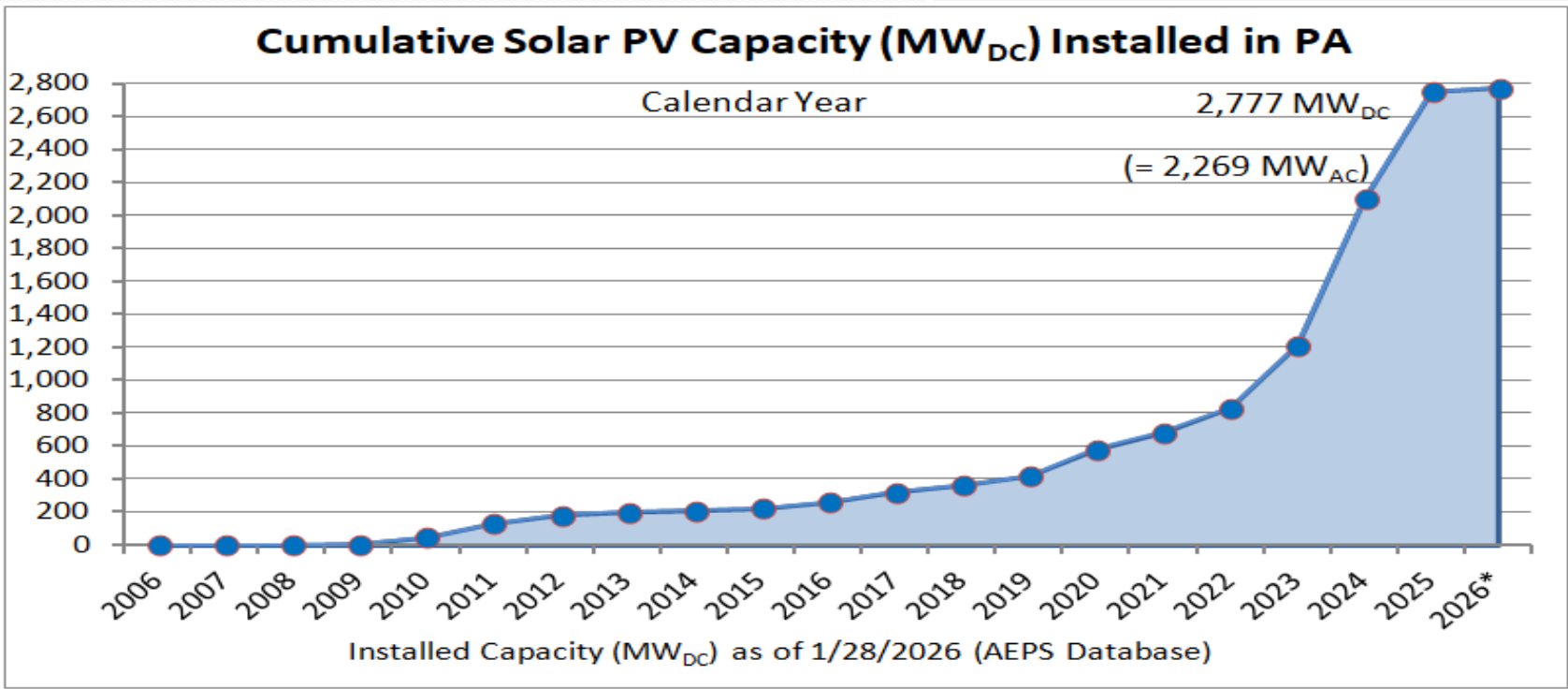
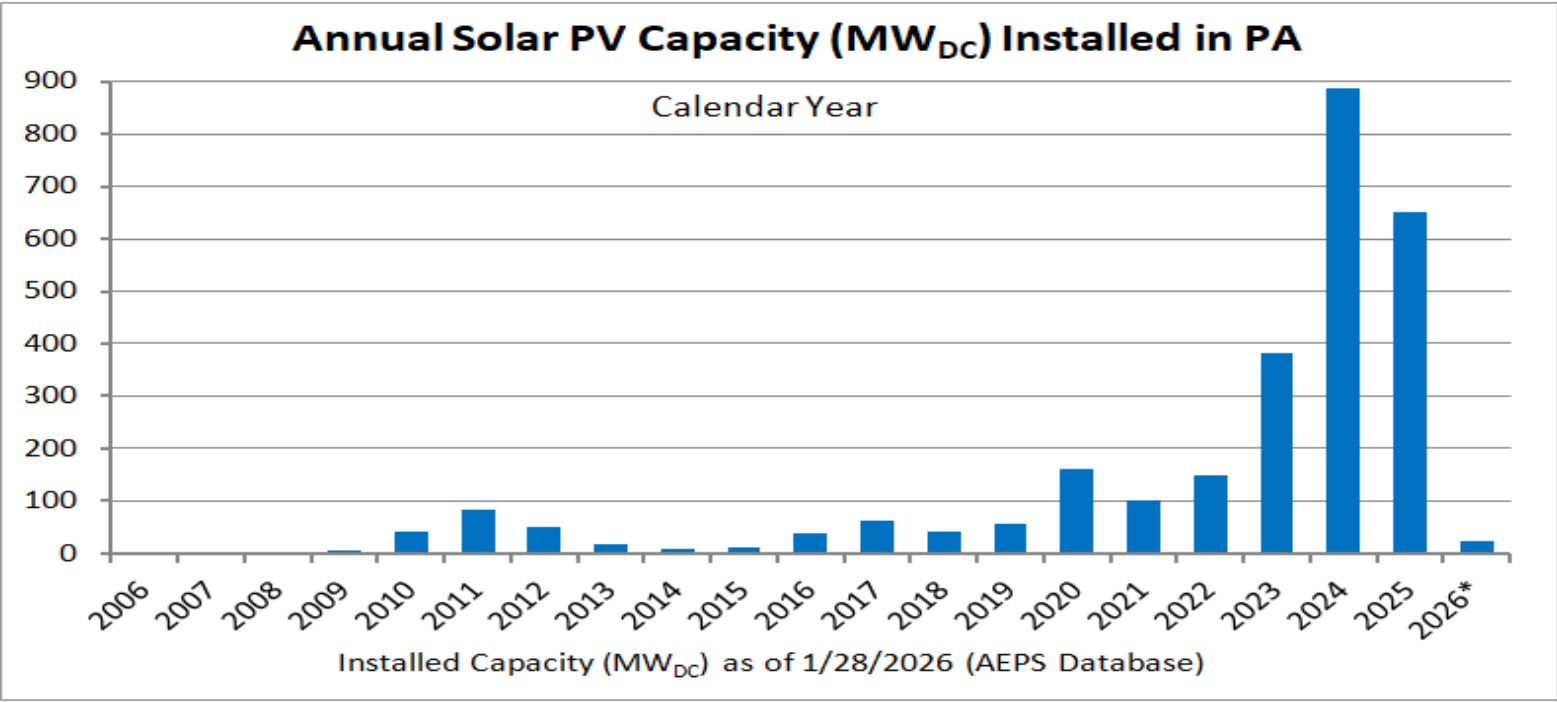
## Total Solar PV Installed per Capita (MW/Million)

- Through Q3-2025



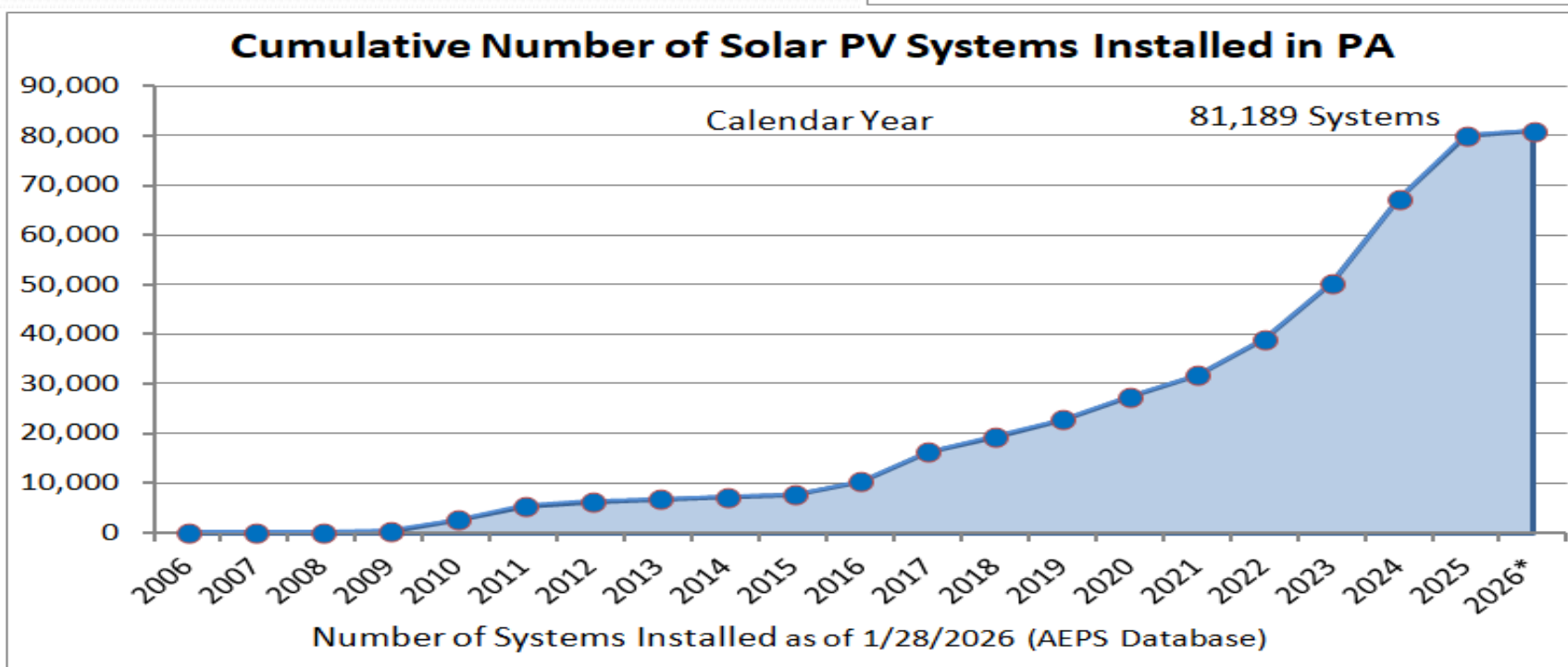
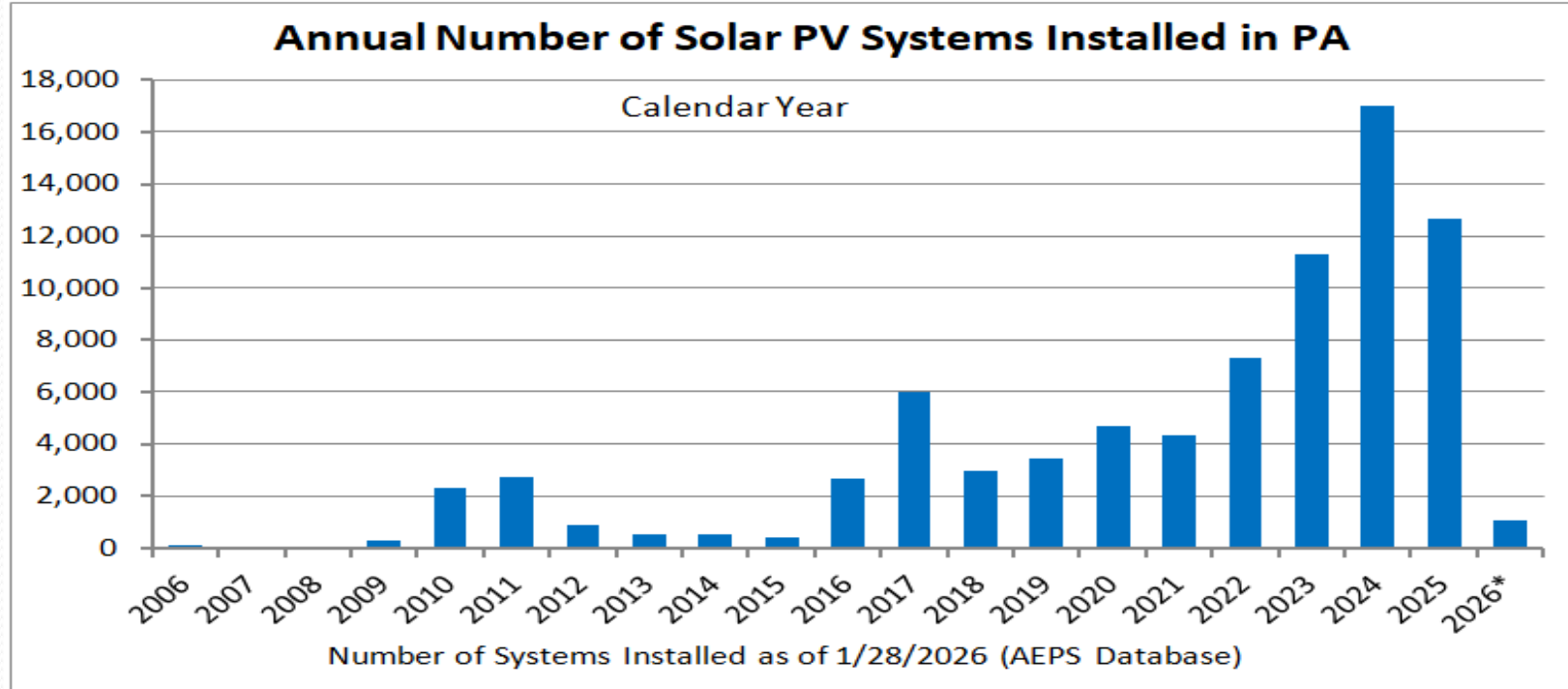
# PV Capacity in PA Annual & Cumulative

As of 1/28/2026



SEIA reports 2,974 MW installed through Qrt 3-2025

# Number of PV Systems in PA Annual & Cumulative As of 1/28/2026



## Breakdown Of PV Installations in PA

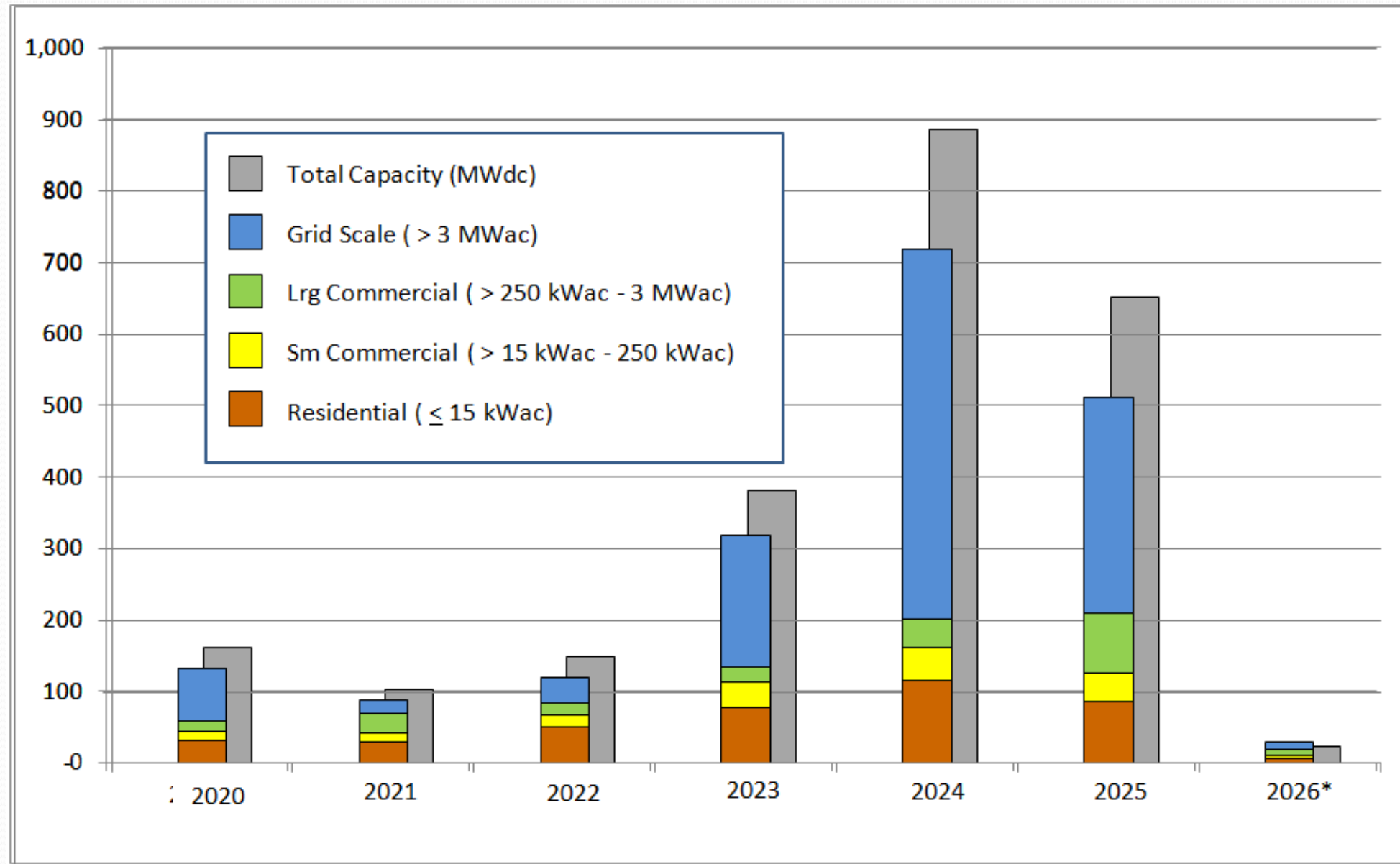
Cumulative PV Installed in PA (DC)		
Capacity (DC)	# of Systems	Total MW
≤ 15 kW	66,666	559
> 15 kW to ≤ 250 kW	14,033	384
> 250 kW to ≤ 1 MW	321	156
> 1 MW to ≤ 3 MW	97	151
> 3 MW to ≤ 5 MW	35	134
> 5 MW to ≤ 10 MW	2	14
> 10 MW	35	1,380
<b>Total</b>	<b>81,189</b>	<b>2,777</b>

\* as of 1/28/2026 as per PA AEPS (PUC)

Cumulative PV Installed in PA (AC)		
Capacity (AC)	# of Systems	Total MW
≤ 15 kW	72,955	539
> 15 kW to ≤ 250 kW	7,801	241
> 250 kW to ≤ 1 MW	305	153
> 1 MW to ≤ 3 MW	87	175
<b>Total DG Solar (NEM)</b>	<b>81,148</b>	<b>1,108</b>
> 3 MW to ≤ 5 MW	4	16
> 5 MW to ≤ 10 MW	2	15
> 10 MW	35	1,132
<b>Total Grid Scale</b>	<b>41</b>	<b>1,163</b>
<b>Total</b>	<b>81,189</b>	<b>2,269</b>

\* as of 1/28/2026 as per PA AEPS (PUC)

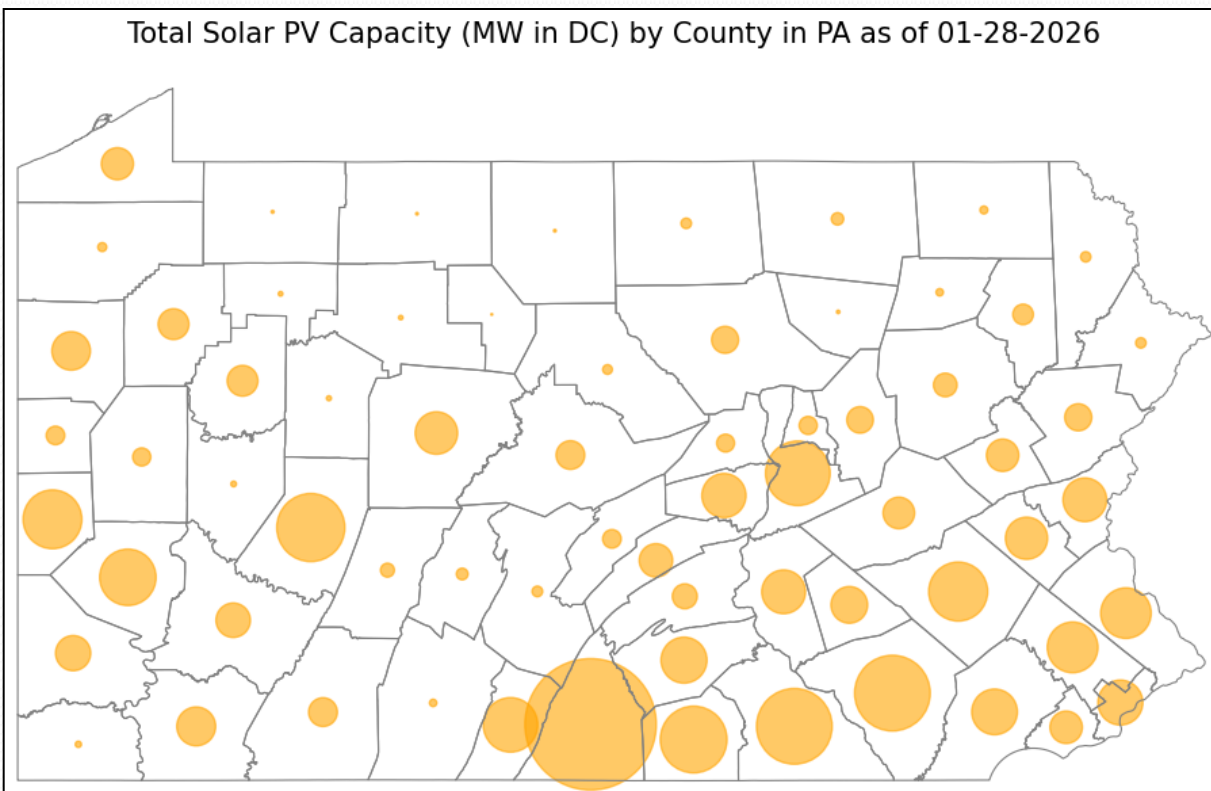
# Annual Solar PV Capacity (MW) Installed in PA: AC vs DC



\* as of 1/28/2026 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 01-28-2026

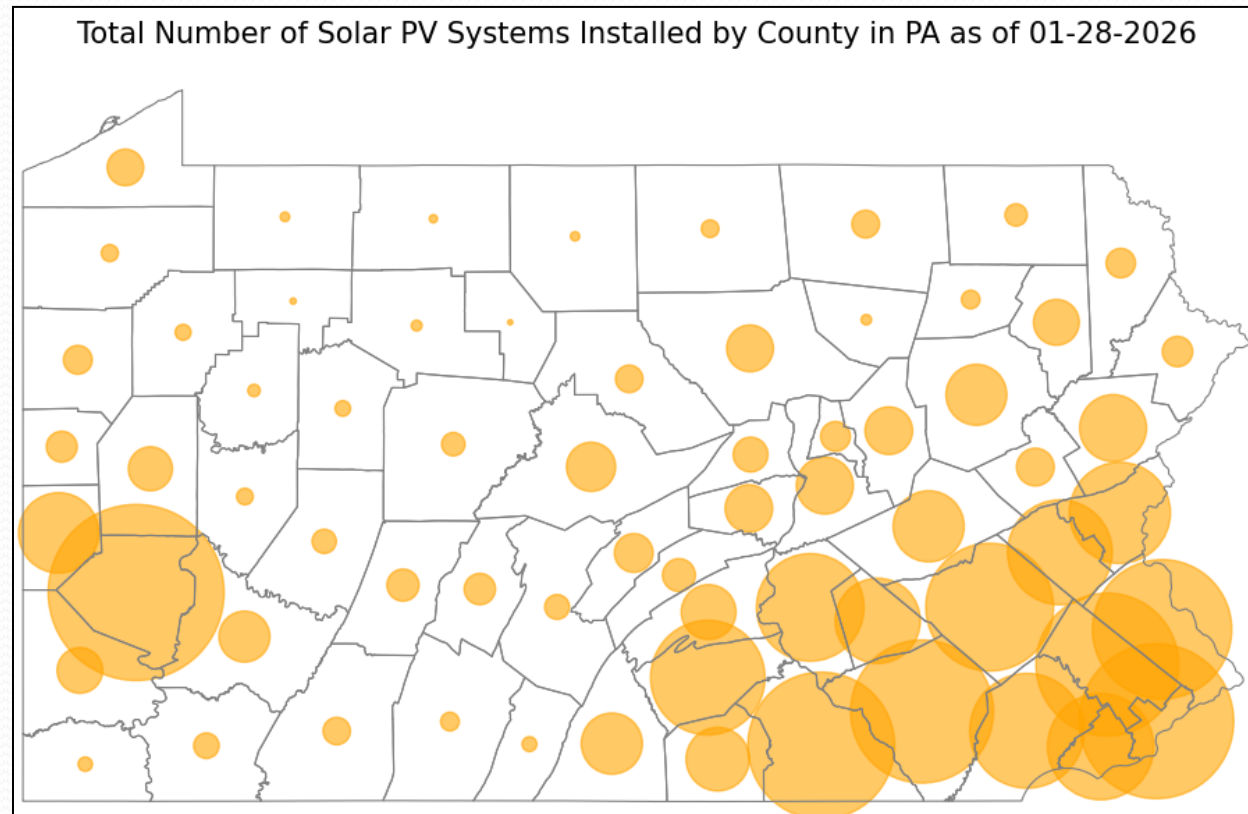


0.5% Solar PV Requirement = 525.0 MW<sub>AC</sub> Solar PV Capacity

534.4 MW<sub>AC</sub> had been installed in PA by 5/31/2021

Currently, 2,269 MW<sub>AC</sub> is installed (as of 1/28/2026), or the solar share in PA = **2.12%**

Total Number of Solar PV Systems Installed by County in PA as of 01-28-2026

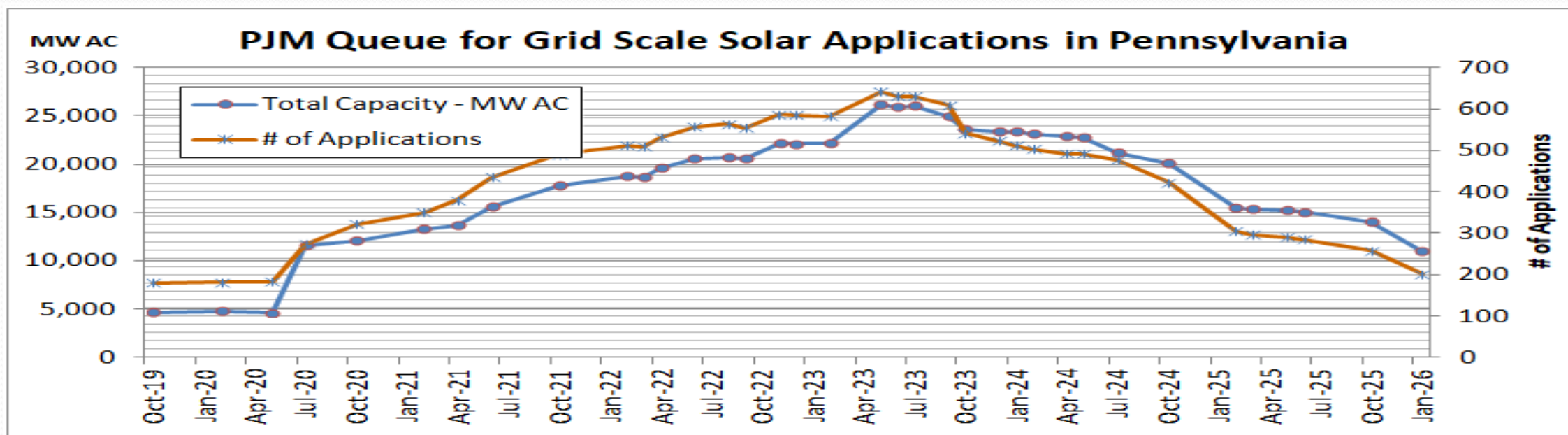




# PJM Queue for PA Solar Applications

PJM Queue for PA		As of 1/28/2026			
Status	# of Apps	Max Facility Output (MFO)			Total Cap IC Queue Position
		Total Cap AC MW	Capacity Range		
			Min	Max	
Active	143	8,078	3.0	300.0	3,586
Engineering/Procurement	44	2,317	15.9	162.0	854
Under Construction	13	518	12.0	120.0	266
Part in Srvc - Under Const	1	80	80.0	80.0	48
Sub-Total	201	10,993			4,753
In Service	44	1,221	3.3	150.0	664
Grand Total*	245	12,214			5,418

\* Total Applications categorized as "Solar & Storage" = 37

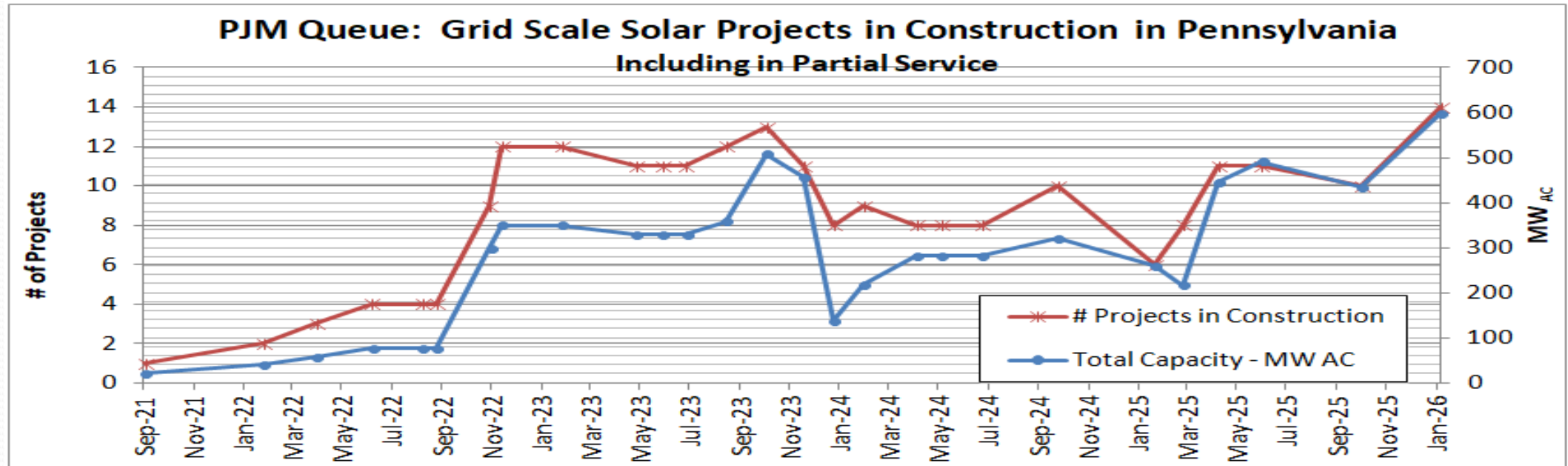




# PJM Queue for PA Solar Facilities - Under Construction

**Projects Currently Under Construction - Solar PV Facilities in PA (1/28/2026)**  
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
AE2-285	Maysville 69 kV	MC Solar I	PA	Mercer	ATSI	50.0
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
AF2-039	Shawville-Clearfield 34.5 kV		PA	Clearfield	PENELEC	13.5
AF2-088	Shawville-Clearfield 34.5 kV II		PA	Clearfield	PENELEC	20.0
AF2-361	Mifflintown Tap 69 kV	Walker Solar Two	PA	Juniata	PPL	80.0
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
<b>Total (MW<sub>AC</sub>)</b>		* In Partial Service				<b>598.2</b>



# 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 <sub>AC</sub>	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
	<b>Subtotal</b>					<b>266</b>	<b>2023</b>
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
	<b>Subtotal</b>					<b>457</b>	<b>2024</b>
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
	<b>Subtotal</b>					<b>263</b>	<b>2025</b>
	<b>Total (MW<sub>AC</sub>)</b>					<b>986</b>	<b>2023/24/25</b>

Current PA SACP = \$66.40/SREC

# Current PA SREC Prices

Bid Prices for PA - Last Twelve Months (LTM)



*This graph is protected by copyright laws and contains material proprietary to Xpansiv Limited and/or its affiliates. All bid pricing and notes included are indicative and subject to change. Please [contact us](#) for most current markets. If a market is not quoted herein, please contact us directly for further information.*



# PUC Annual AEPS 2025 Report – Just Out

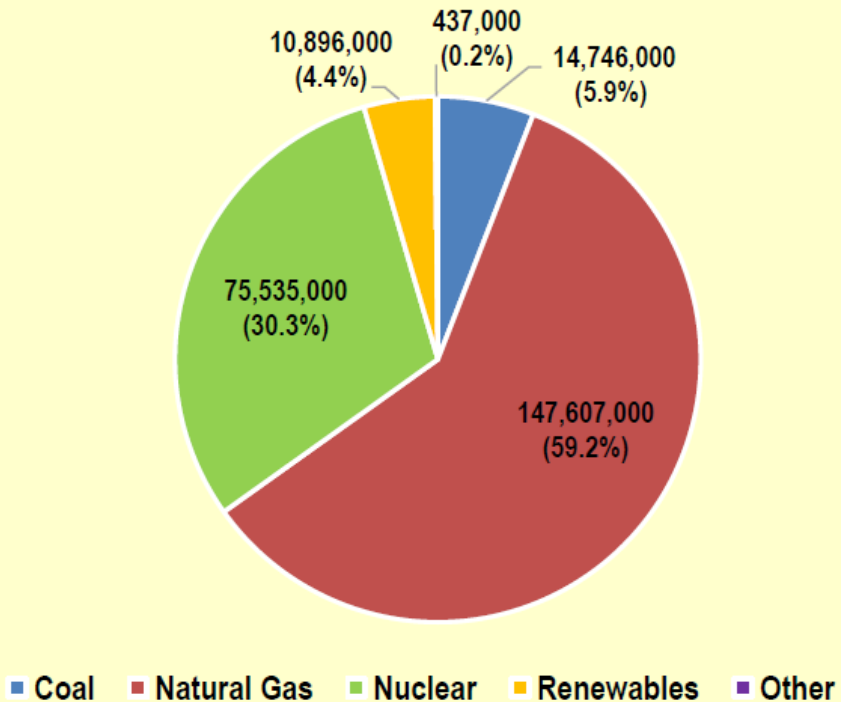


[https://www.puc.pa.gov/media/3805/aeps-2025-report\\_2-5-25\\_final\\_.pdf](https://www.puc.pa.gov/media/3805/aeps-2025-report_2-5-25_final_.pdf)

# PUC Annual AEPS 2025 Report – Share of PA Electric Generation

Chart 10: Pennsylvania Compliance Year Electric Generation by Energy Source

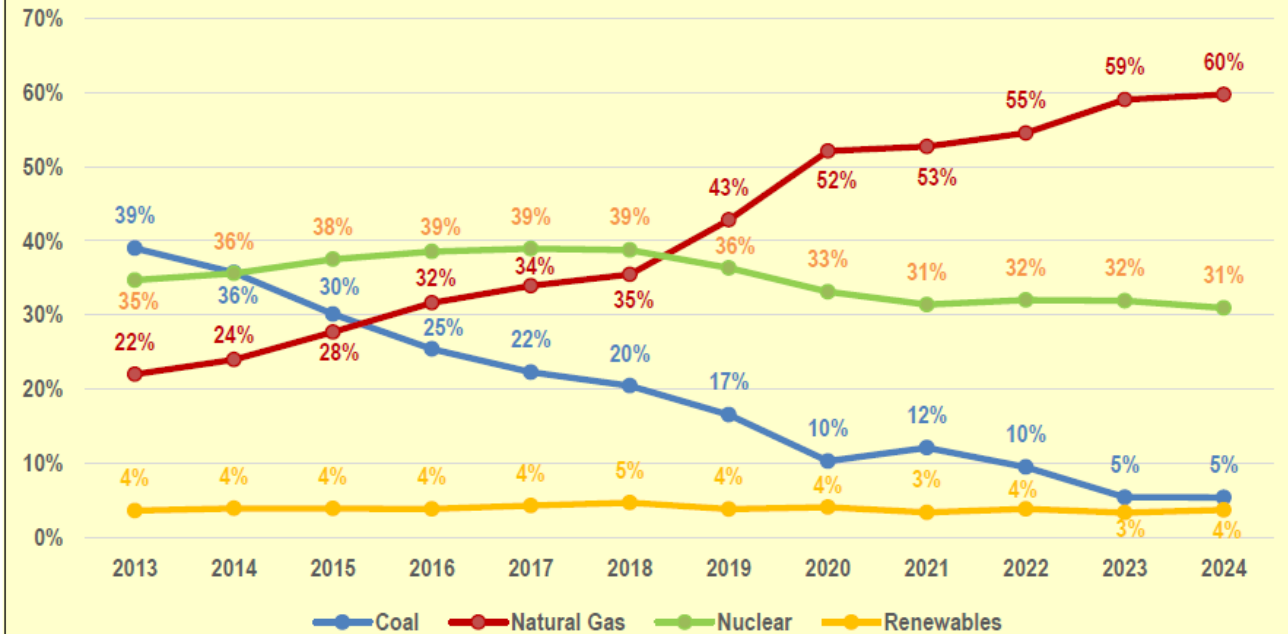
Pennsylvania Electric Generation by Energy Source  
Compliance Year 2025  
Total: 249,221,000 MWh



Source: Energy Information Administration Electricity Data Browser

Chart 9: Pennsylvania Annual Electric Generation by Energy Source

Annual share of Pennsylvania electricity generation by energy source, by calendar year

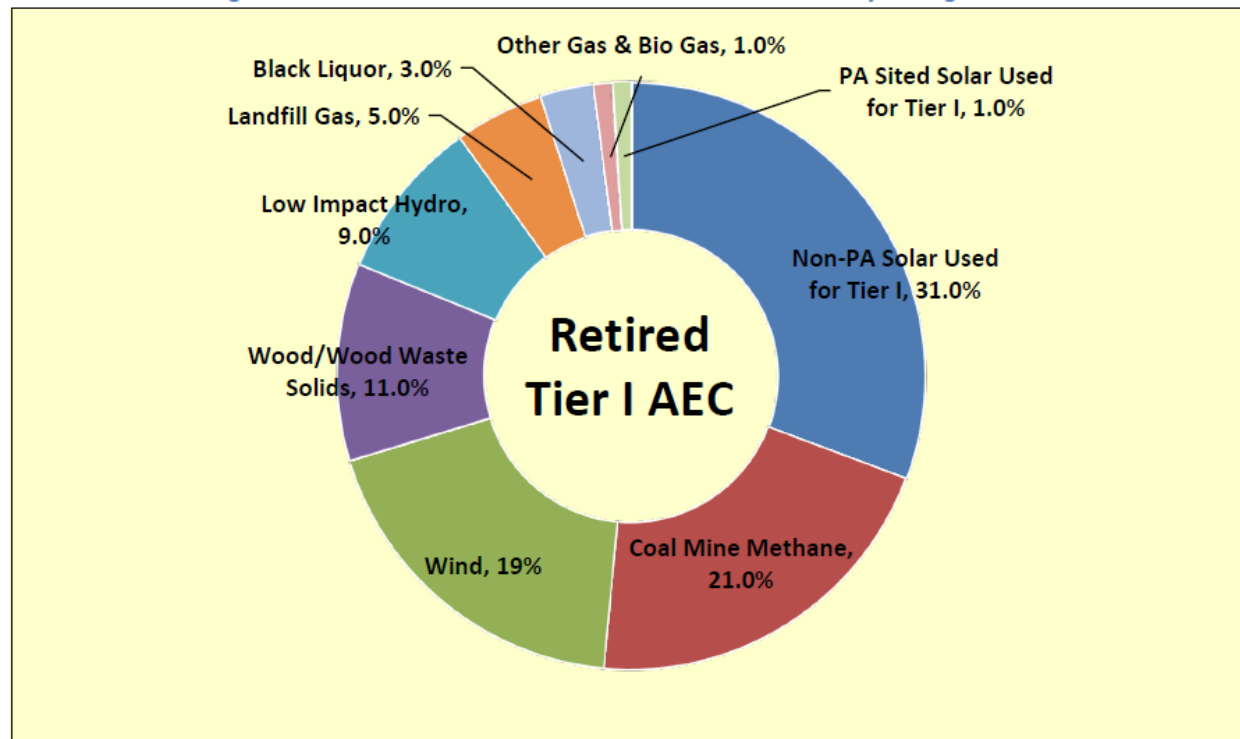


Source: Energy Information Administration Electricity Data Browser

# 2024 vs 2025 Tier I Resources

## 2024

Chart 3: Percentage of Sources of Tier I AECs Retired for the 2024 Reporting Year

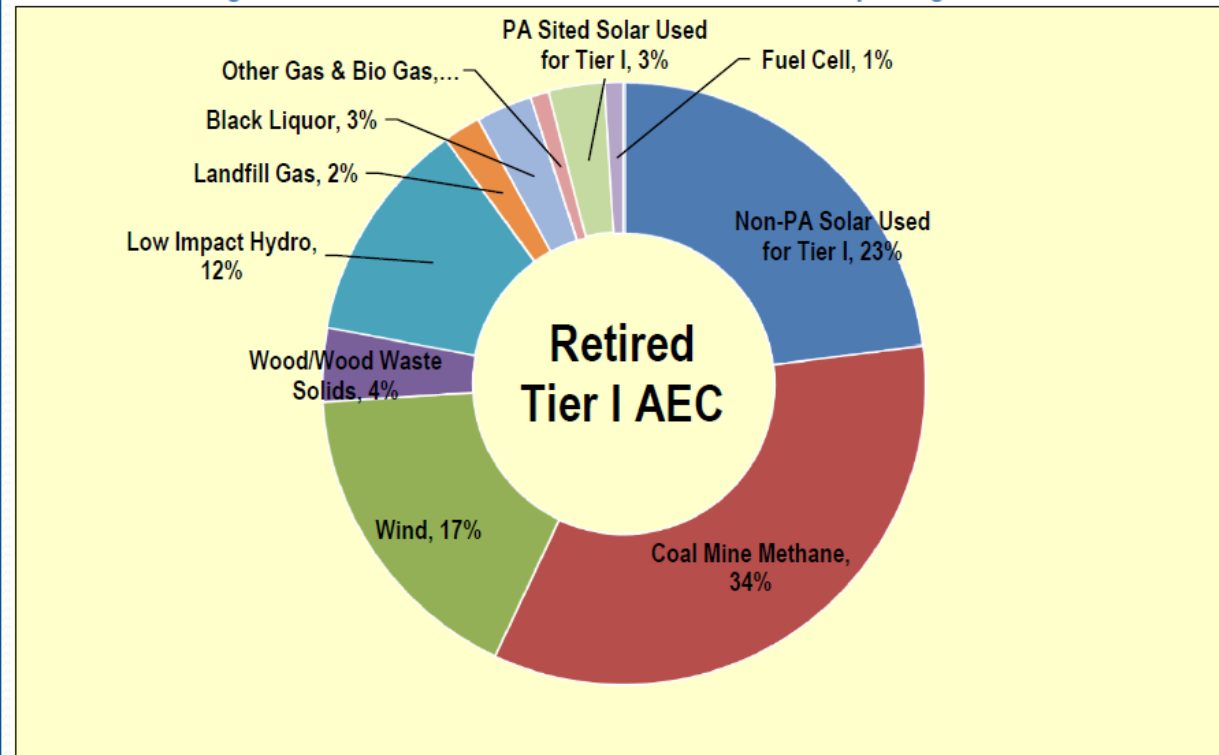


*Note: The total may not add up to 100% because of rounding.*

Total Tier 1 Solar = 32 % (including 1% In-State Solar)  
of the 7.5% Tier 1 Total.

## 2025

Chart 3: Percentage of Sources of Tier I AECs Retired for the 2025 Reporting Year

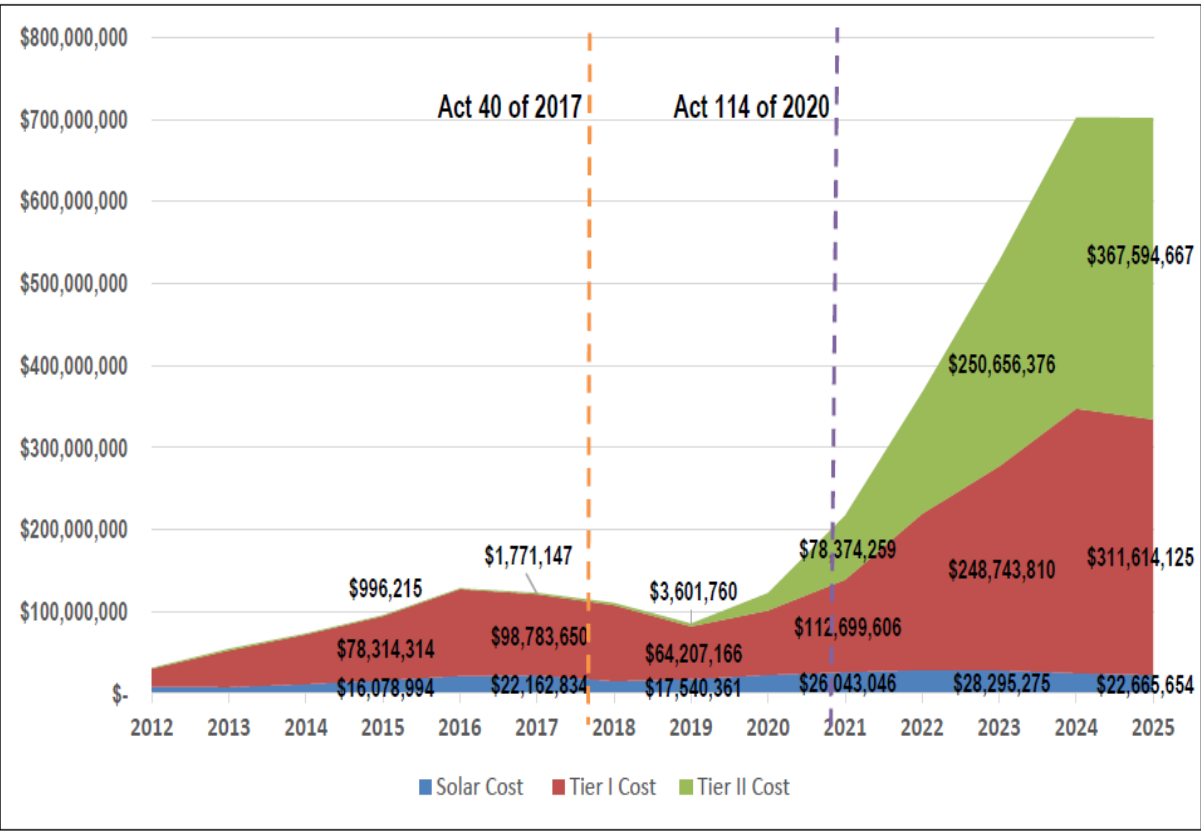


*Note: The total may not add up to 100% because of rounding.*

Total Tier 1 Solar = 26 % (including 3% In-State Solar)  
of the 7.5% Tier 1 Total

# Current PA SREC Prices

Chart 5: Reported Cost of AECs by Reporting Year (ending in)



Summary of AEPS Compliance Costs

Tier	Credits Retired	Weighted Average Credit Price	Cost of Purchased Credits
Solar	682,693	\$33.20	\$22,665,654.17
I	10,638,582	\$29.29	\$311,614,124.87
II	13,654,235	\$26.92	\$367,594,667.10
Total	24,975,510	N/A	\$701,874,446.14



# Current PA SREC Prices

Chart 6: Solar Average Spot Market vs. Weighted Average AEC Credit Prices

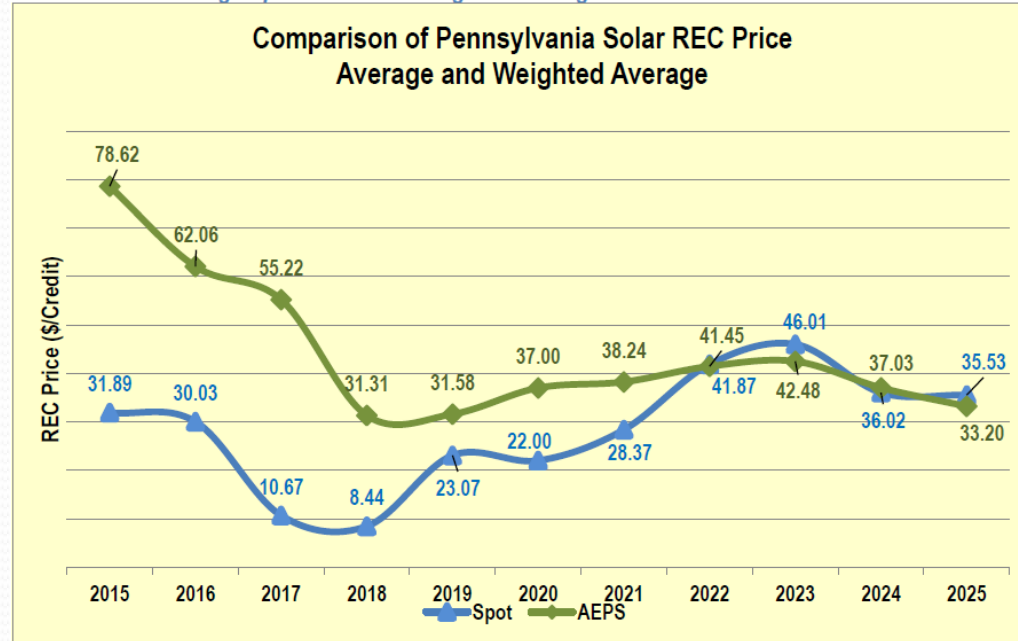


Chart 7: Tier I Average Spot Market vs. Weighted Average AEC Credit Prices

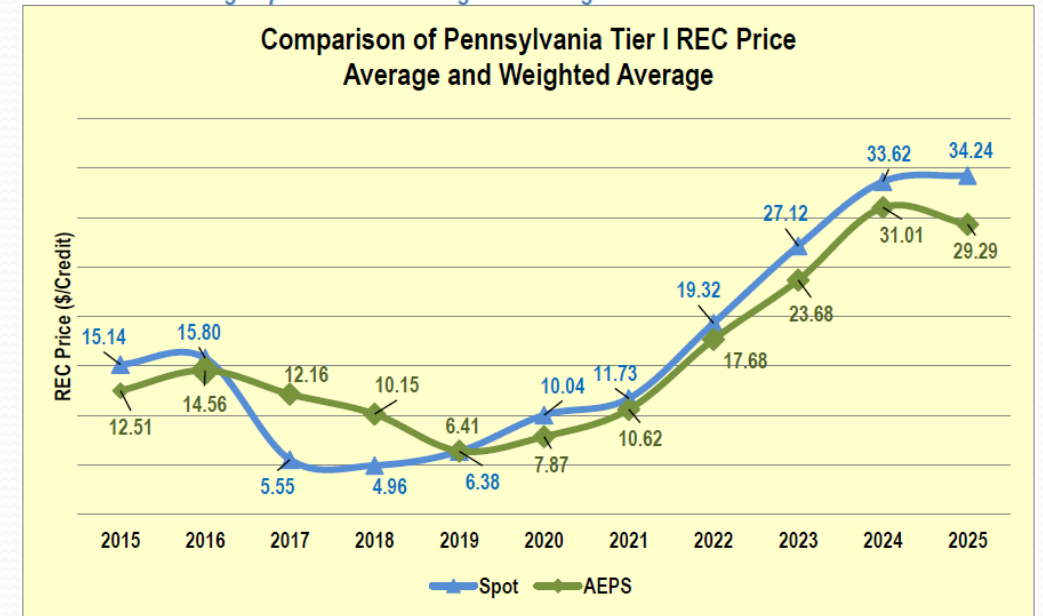
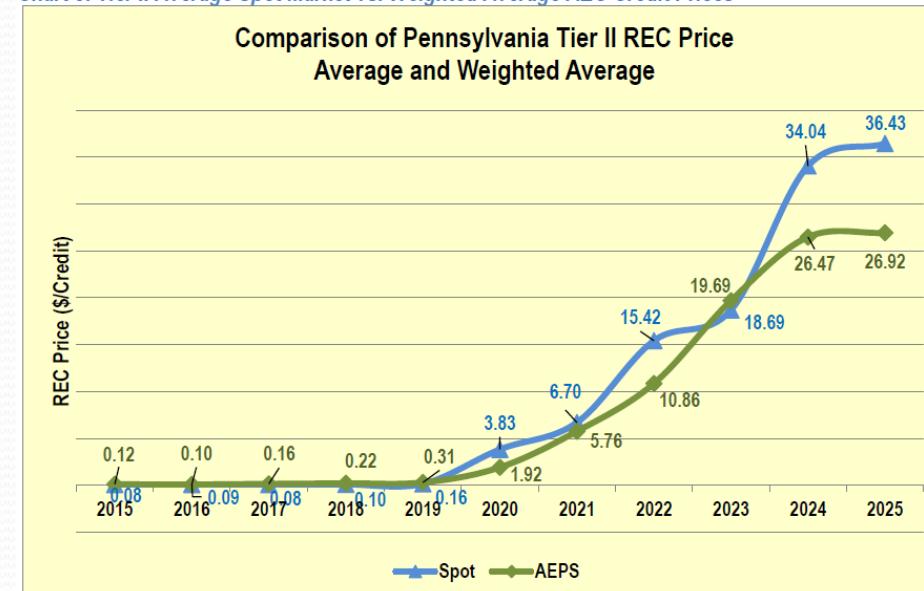
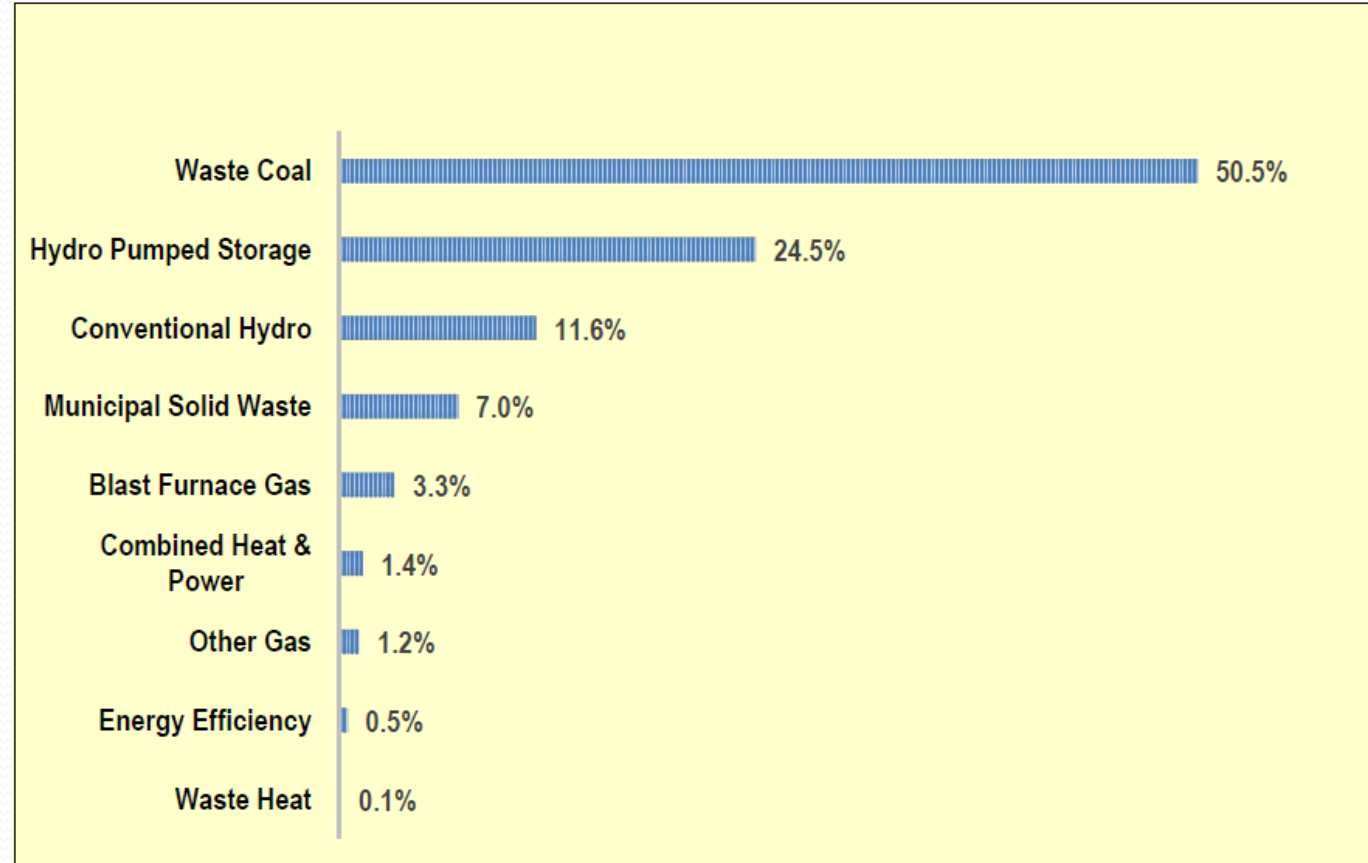


Chart 8: Tier II Average Spot Market vs. Weighted Average AEC Credit Prices



# Current PA SREC Prices

Chart 4: Sources and Percentages of Tier II AECs Retired for the 2025 Reporting Year

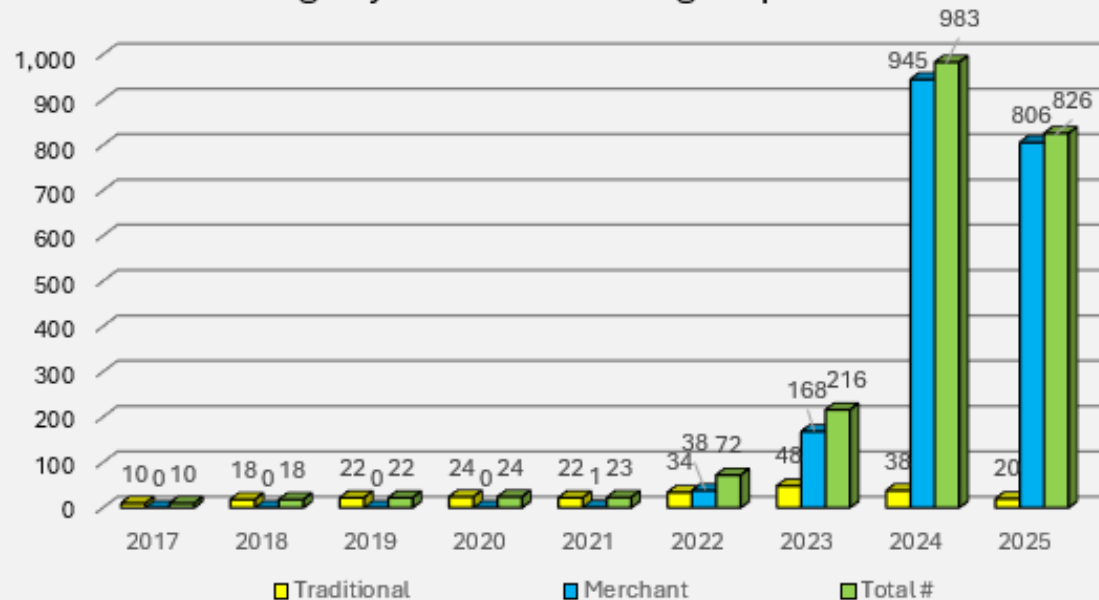


Simple Estimated Total AECS Payout for Solar (in-state & out-of-state) = \$94.3M  
vs AECS Payout for Waste Coal Alone = \$185.6M

*Assumes Twice as much AEC payments made for waste coal than total solar in reporting year 2025*

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

## Large System Net Metering Requests



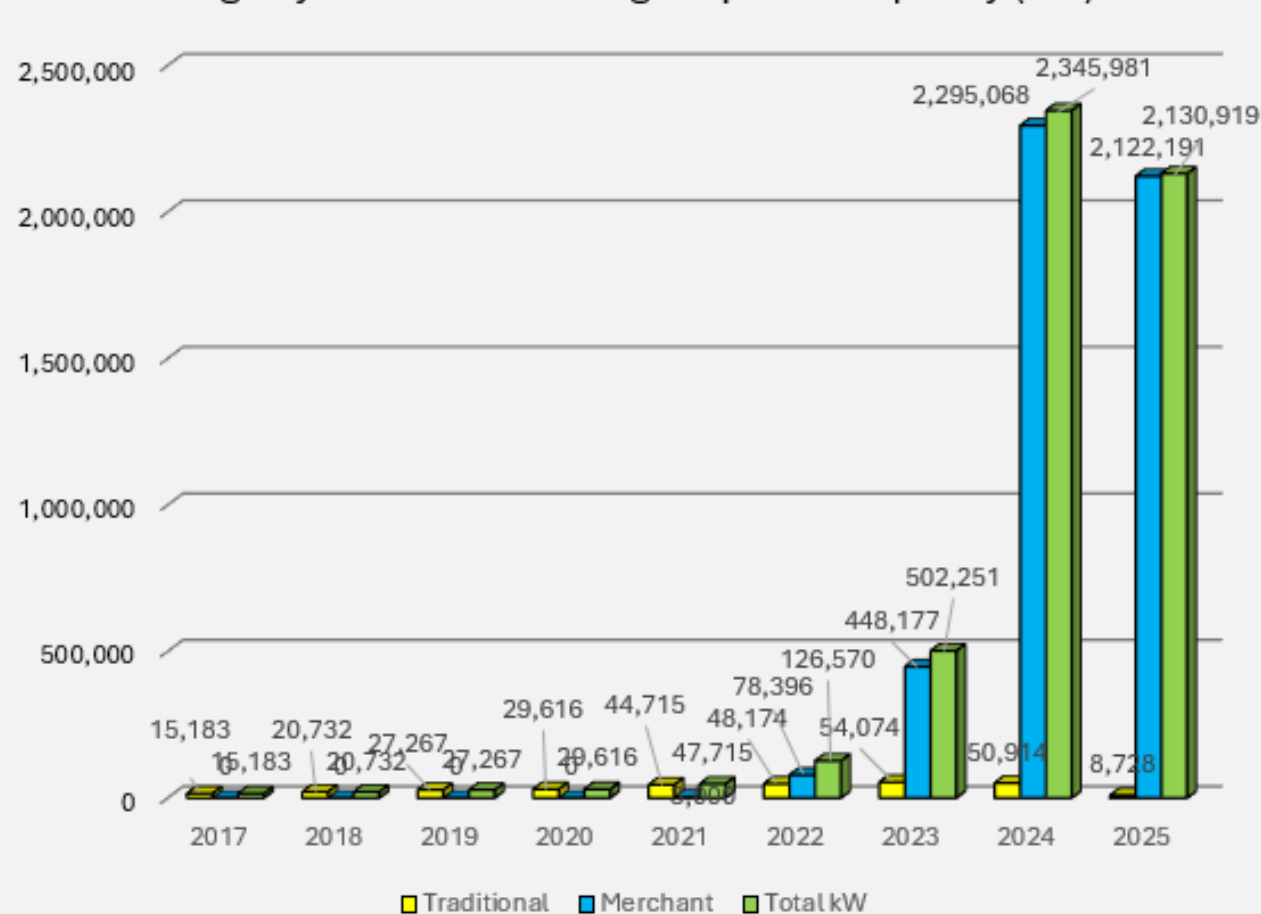
## RANKING FROM DECEMBER 2016 THROUGH OCTOBER 22, 2025

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)



# Current Status of BTM Interconnection Requests in PA (>500 kW) – 1/26/2026

**Annual Net Metering Requests at or Above 500 kW, by EDC (through 01/26/26)**

	Citizens	DLC	Met-Ed	PECO	Penelec	Penn Power	Pike	PPL	UGI	Wells-boro	West Penn	Total
2017	0	0	1	0	0	0	0	8	0	1	5	15
2018	1	0	3	0	0	2	0	8	0	1	2	17
2019	0	1	5	3	1	1	0	8	0	1	4	24
2020	0	0	2	3	7	0	0	7	0	0	2	21
2021	1	5	4	2	4	1	0	5	0	0	4	26
2022	0	5	4	3	2	8	0	43	0	0	7	72
2023	0	7	41	5	47	24	0	58	0	0	34	216
2024	0	8	68	9	324	135	0	145	15	0	282	986
2025	0	1	75	7	326	119	0	377	4	0	144	1,053
2026	0	0	3	0	31	6	0	35	0	0	28	103

2,533

**Annual Nameplate Capacity (kW) of Net Metering Requests at or Above 500 kW, by EDC (through 01/26/26)**

	Citizens	DLC	Met-Ed	PECO	Penelec	Penn Power	Pike	PPL	UGI	Wells-boro	West Penn	Total
2017	0	0	1,250	0	0	0	0	25,761	0	1,500	7,372	35,883
2018	668	0	6,900	0	0	5,704	0	6,926	0	1,125	3,534	24,857
2019	0	1,812	6,988	2,200	600	2,000	0	7,792	0	1,125	7,625	30,142
2020	0	0	2,275	3,466	7,303	0	0	7,340	0	0	5,230	25,614
2021	1,766	10,800	9,400	5,558	10,000	3,000	0	5,442	0	0	11,324	57,290
2022	0	224,067	5,775	4,210	3,900	21,720	0	72,690	0	0	14,125	346,487
2023	0	16,095	109,085	5,540	130,593	66,240	0	79,748	0	0	94,950	502,251
2024	0	20,249	162,757	12,255	752,956	311,994	0	352,900	27,750	0	716,246	2,357,107
2025	0	3,000	199,114	18,600	883,952	315,228	0	869,019	10,000	0	400,696	2,699,608
2026	0	0	7,560	0	88,555	17,000	0	82,860	0	0	71,065	267,040

6,346,279

# Some Solar Policy Updates in PA – 2/17/2026

- Solar for Schools -2026; \$25M
- Joint House Consumer Protection, Technology & Utilities and House Energy Committees (1/20/2026) - The committees held a joint informational meeting to discuss potential solutions for energy affordability.
- PUC - Notice of Proposed Rulemaking (NOPR) - Prepare proposed rulemaking that would conduct a universal review of interconnection regulations, including how new electric load, upgrades to existing load, and distributed energy resources are connected to the distribution system.
- SB1019 - Smart Solar Siting Act (net metering, merchant generators)
- HB1971 - Plug-In Solar (Balcony Solar)
- HB501 - Pennsylvania Reliable Energy Sustainability Standard (PRESS), w/ amendments (including one with solar DG adder)
- HB1260 - Introduced bill providing for solar-ready projects involving a warehouse or distribution center; authorizing tax exemptions and special tax provisions
- Memos - Virtual Power Plants (VPP), Reducing utility bills by utilizing grid-scale battery storage, Hosting Capacity Maps
- PPL DERMS Program Permanent (?)
- Rate Cases & Default Supply Plans (UGI, PPL, Citizens Power & Wellsboro)
- Gov. Shapiro announced that PJM Interconnection will extend its \$325/MW-day energy market price cap through 2030.
- And More.....



# 12 th Annual PA Renewable Energy Summit

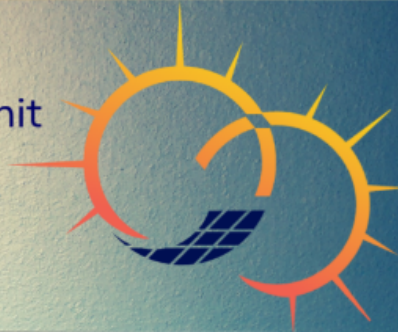


## RENEWING CONNECTIONS

### 12<sup>TH</sup> Annual PA Renewables Summit

March 16, 2026 | Camp Hill, PA

March 17, 2026 | Lobby Day



**Penn Harris Hotel  
Camp Hill, PA**

Building stronger alliances and working collaboratively is more important than ever to growing the solar and storage market in Pennsylvania. This summit has been bringing industry professionals, NGOs, and decision-makers together to discuss important issues to the Pennsylvania renewables industry for 12 years now.

We will also visit legislators on Tuesday, March 17, in the state capitol building to talk about the importance of renewable energy as a solution to rising electricity costs and resource adequacy issues.

We look forward to seeing you in March!

**Sponsorship Opportunities still available!**

### **SPEAKERS (to date)**

*The Honorable Elizabeth Fiedler, PA House of Representatives (District 184) & Chair of the House Energy Committee – Opening Keynote Speaker*

*Mike Borgatti, Co-CEO and Leader of the Wholesale Power and Market Services Division, Gabel Associates – PJM markets*

*Joe Sherrick, PA PUC – The Alternative Energy Portfolio Standard (AEPS) status report*

*Amanda Eyer, Environmental Group Manager, Energy Programs Office and speaker from Solar Energy Power Association (SEPA) – Pennsylvania's Safeguarding Pennsylvania' Microgrid study*

*Ezra Thrush, Senior Policy Associate, Ridge Policy Group – PA legislative updates*

*Andy Posner, Founder & CEO, Capital Good Fund – Creative Financing*

*Elizabeth Friend, Director, Clean Energy and Sustainable Finance, Reinvestment Fund – Creative Financing*

### **Other topic areas:**

**Community Benefits Agreements**

**Hosting Capacity Maps**

**Mitigating Federal Permitting Impacts**

**Interconnection**

<https://pasolarcenter.org/12th-annual-pa-renewables-summit/>

Thank You!!