

Pennsylvania Update

MSSIA – 3rd Qrtly Mtg
September 29, 2022










Solar Update Highlights in PA – 9/29/2022


- Current in-state solar PV capacity in PA is **810 MW**, from a total of 36,896 systems, as of 9/16/2022.
 - In the first two weeks in September, 2022, there were 282 PV systems installed, totaling 50 MW, of which two of those systems were 20.3 MW and 24.6 MW, respectively.
 - PJM Queue for PA – 20.5 GW (554 applications: Active, Engineering/Procurement, and Under Construction-including in partial service).
 - RGGI in PA On Hold – Because of ongoing legal challenges brought on by industry groups and Republican lawmakers, Pennsylvania was not be able to sell allowances during the September RGGI auction. The auction could have raised tens of millions of dollars for the state, which could be put toward clean energy and pollution reduction programs.
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https://pasolarcenter.org/wp-content/uploads/2022/09/PA-State-Solar-Legislative-Guide_September-2022.pdf


Quick Reference Guide for Key Bills

Guide	Bill #	Prime Sponsors	History
INCREASING RENEWABLE ENERGY GOALS			
Increases Renewable Goals in the AEPS to 18% with 5.5% Solar by 2026			
	HB 1080	Christopher Quinn (R-Delaware County)	Referred to the House Environmental Resources and Energy Committee, April 1, 2021
	SB 501	Daniel Laughlin (R-Erie)	Referred to the Senate Consumer Protection and Professional Licensure Committee, April 9, 2021
Increases Renewable Goals in the AEPS to 15% with 2.5% Solar by 2030			
	HB 1394	Christopher Quinn (R-Delaware County)	Referred to the House Environmental Resources and Energy Committee, May 20, 2021
Creating a New Renewable Energy Standard Scheme (non-AEPS)			
	HB 1531	Christopher Quinn (R-Delaware County)	Referred to Consumer Affairs Committee, June 3, 2021
COMMUNITY SOLAR/SHARED SOLAR			
Enables Community Solar in Pennsylvania			
	HB 1555	Aaron Kaufer (R-Luzerne County)	Referred to Consumer Affairs Committee, June 3, 2021
	SB 472	Mario Scavello (R-Monroe and Northampton Counties)	Referred to Consumer Protection and Professional Licensure Committee, March 23, 2021
Enable Utilities to Manage Shared Solar Program			
	HB 1161	Prime: Lori Mizgorski (R-Allegheny County)	UPDATE: House passage. Referred to Senate Consumer Protection and Professional Licensure Committee, June 20, 2022
	SB 919	Prime: Daniel Laughlin (R-Erie)	Referred to Senate Consumer Protection and Professional Licensure Committee, October 25, 2021

EXPANDING COMMERCIAL PROPERTY CLEAN ENERGY (C-PACE)

	SB 635	Prime: John Yudichak (I-Carbon and Luzerne Counties)	UPDATE: Approved by the Governor, July 7, 2022 as Act 43.
	HB 1760	Prime: Doyle Heffley (R-Carbon County)	House passage, January 24, 2022 Referred Senate Community, Economic and Recreational Development Committee, January 24, 2022

DECOMMISSIONING AND BONDING

	SB 284	Prime: Gene Yaw (R-Bradford, Lycoming, Sullivan, Susquehanna and Union Counties)	UPDATE: Senate passage, referred to the House Environmental Resources and Energy Committee, April 14, 2022
	HB 2104	Prime: Kathy Rapp (R-Warren, Crawford, and Forest Counties)	UPDATE: House passage, referred to Senate Environmental Resources and Energy Committee, June 22, 2022

LEGEND

These icons indicate if the PA Solar Center interprets the bill to have positive or negative impact to the solar industry in Pennsylvania as well as consideration of a bill's likeliness to garner support. This is not intended to imply endorsement, lack of support, or otherwise, for any particular legislation.



Bills of significant interest to watch and have potential positive impacts for solar development in Pennsylvania.



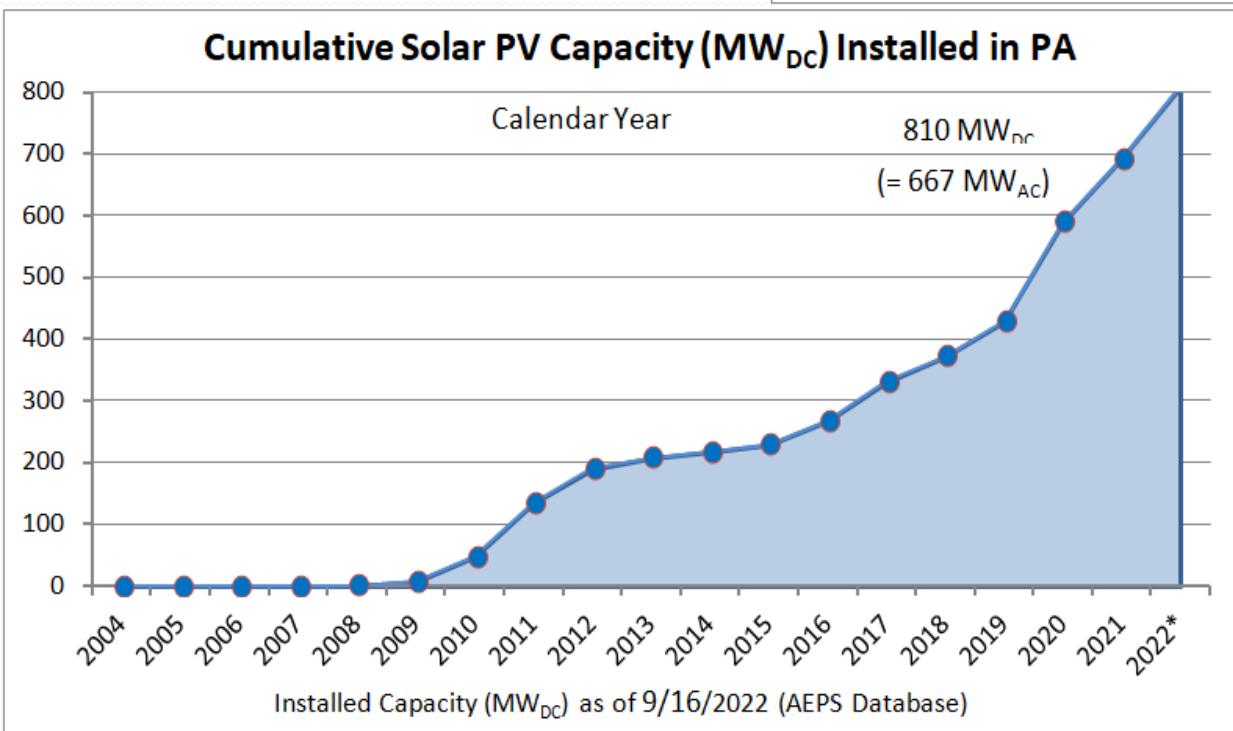
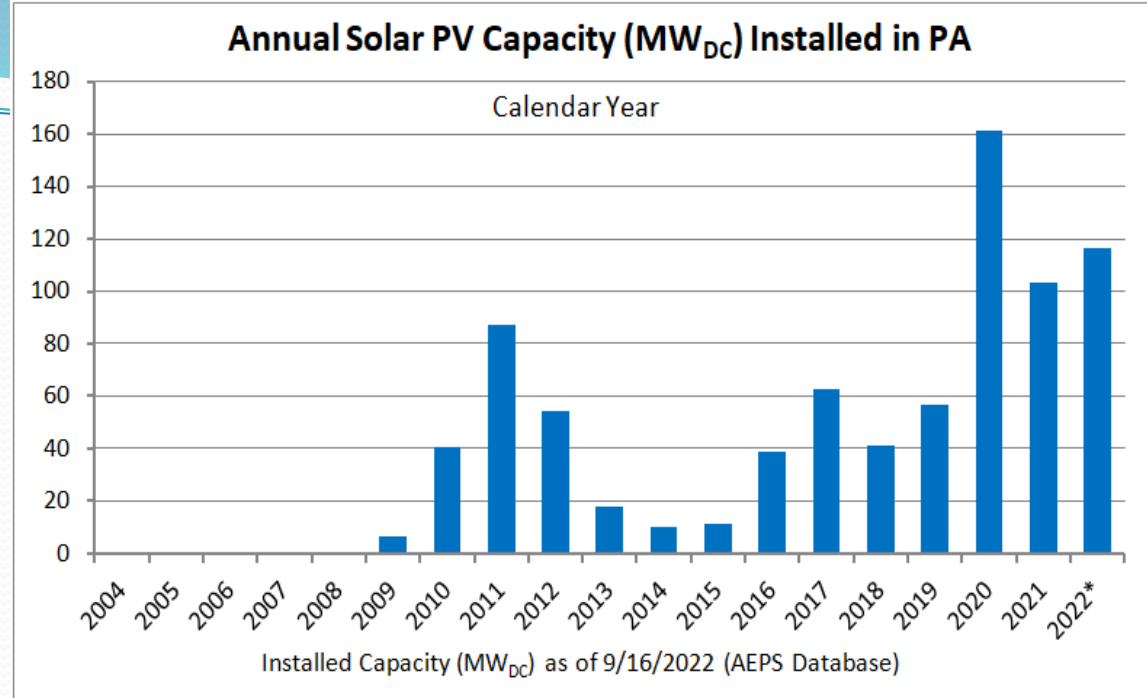
Bills that are unlikely to pass in the current legislative session (*January 2021 to December 2022*) but would likely have a positive impact on solar.



Bills of significant interest to watch and for which the Pennsylvania Solar Center has concern for the possible negative impact(s) on solar development in Pennsylvania.

PV Capacity in PA Annual & Cumulative

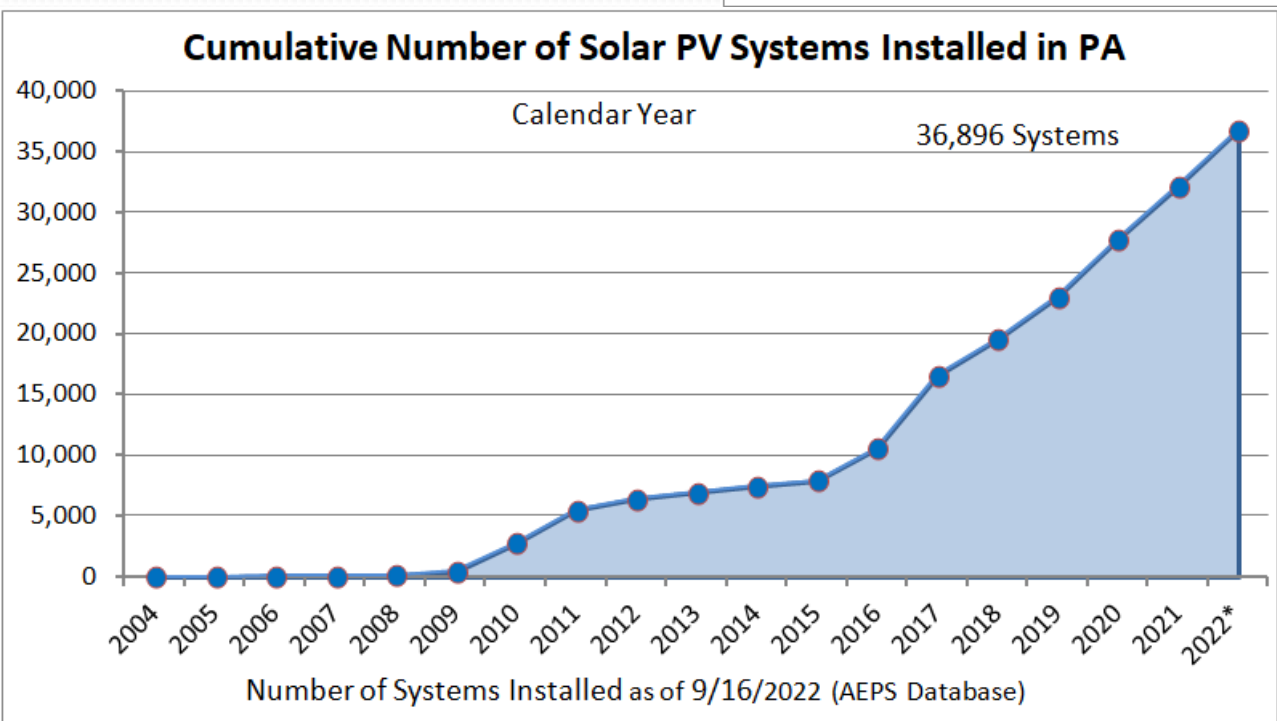
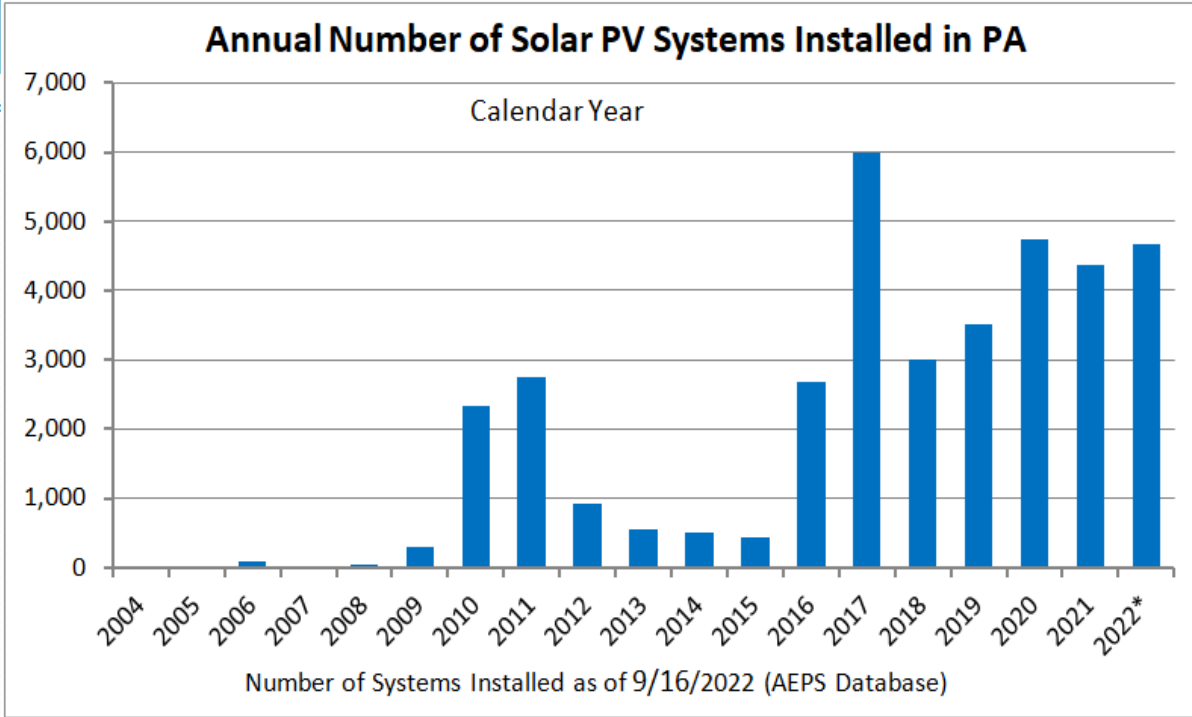
As of 9/16/2022



SEIA reports 955 MW installed through Qrt 2-2022

Number of PV Systems in PA Annual & Cumulative

As of 9/16/2022



SEIA reports 47,151 systems installed through Qrt 2-2022

Breakdown Of PV Installations in PA

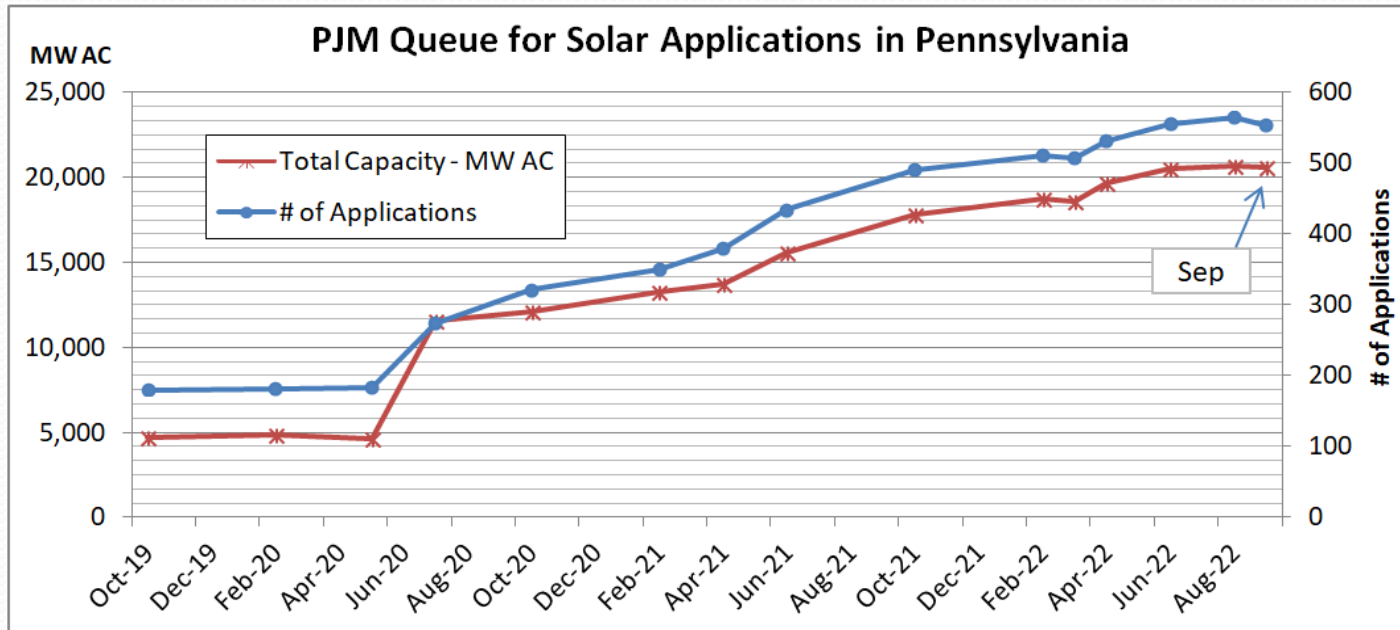
Cumulative PV Installed in PA		
Capacity (DC)	# of Systems	Total MW
≤ 15 kW	31,311	252
> 15 kW to ≤ 250 kW	5,325	168
> 250 kW to ≤ 1 MW	187	92
> 1 MW to ≤ 3 MW	49	78
> 3 MW to ≤ 5 MW	15	56
> 5 MW to ≤ 10 MW	1	6
> 10 MW	8	159
Total	36,896	810

* as of 9/16/2022 as per PA AEPS (PUC)

PJM Queue for PA Solar Applications

PJM Queue for PA		As of 9/16/2022			
Status	# of Apps	Max Facility Output (MFO)		Total Cap IC Queue Position	
		Total Cap AC MW	Capacity Range		
			Min		Max
Active	474	18,683	1.0	401.6	1,020
Engineering/Procurement	76	1,800	0.2	150.0	249
Under Construction	4	77	17.1	20.0	333
Part in Srvc - Under Const	0	-	-	-	-
Sub-Total	554	20,560			1,601
In Service	15	235	3.3	20.0	280
Grand Total*	569	20,795			1,882

* Total Applications categorized as "Solar & Storage" = 76

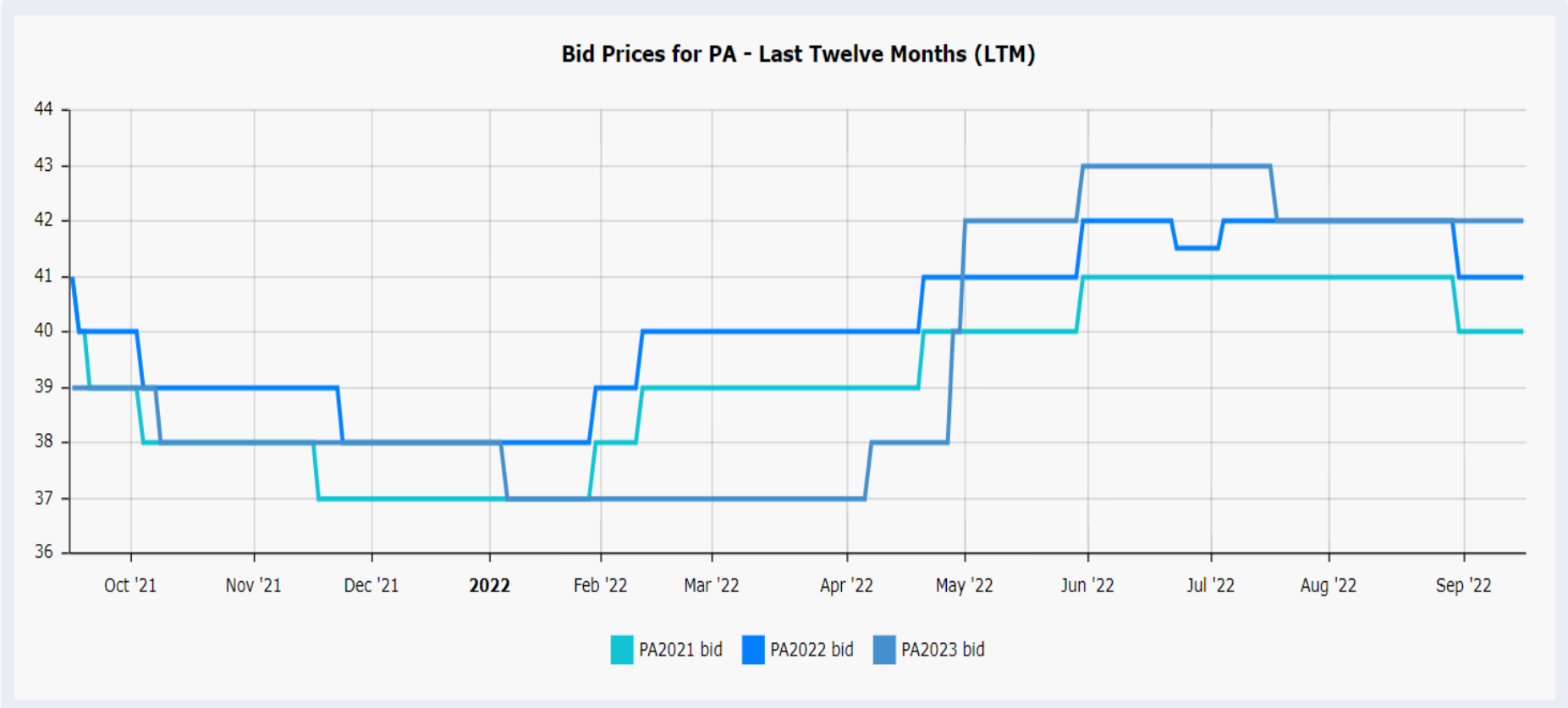


Current PA SACP = \$76.48/SREC

Current PA SREC Prices

PA

Latest Bid Price: \$42.00

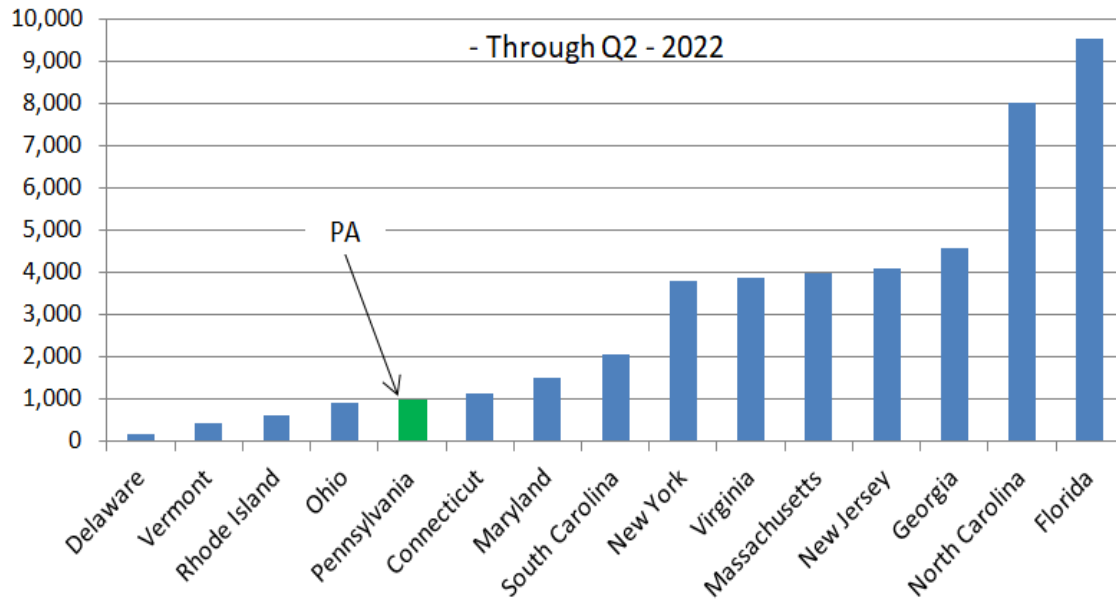


This graph is protected by copyright laws and contains material proprietary to SRECTrade, Inc. All bid pricing and notes included are indicative and subject to change. Please contact us for most current markets. If a market is not quoted herein, please [contact us](#) directly for further information.

Solar in Other East Coast States Compared to PA

Solar in Pennsylvania Ranks 23rd in the Nation

Total Solar Capacity (MW_{DC}) Installed by State on the East Coast



Nat. Solar Energy Industries Assoc. - www.seia.org/states-map

State solar PV installation rankings, H1 2022

State	Rank		
	2020	2021	H1 2022
Pennsylvania	17	28	23

SEIA/Wood Mackenzie: US Solar Market Insight - Q3 2022

Total Solar PV Installed per Capita (MW_{DC}/Million)

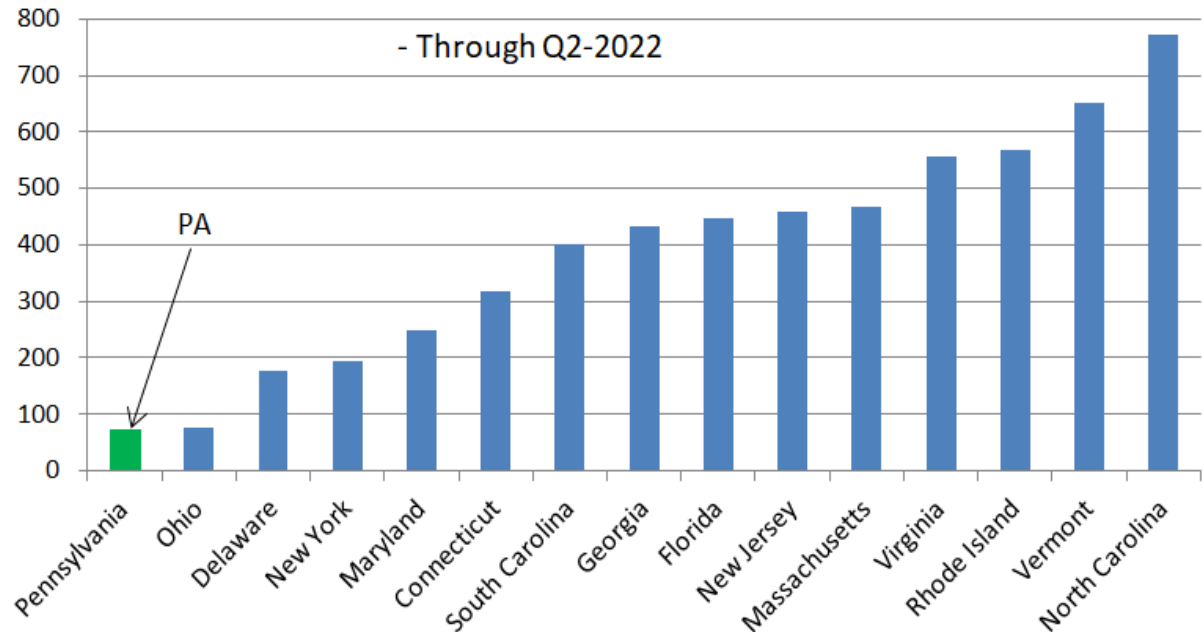
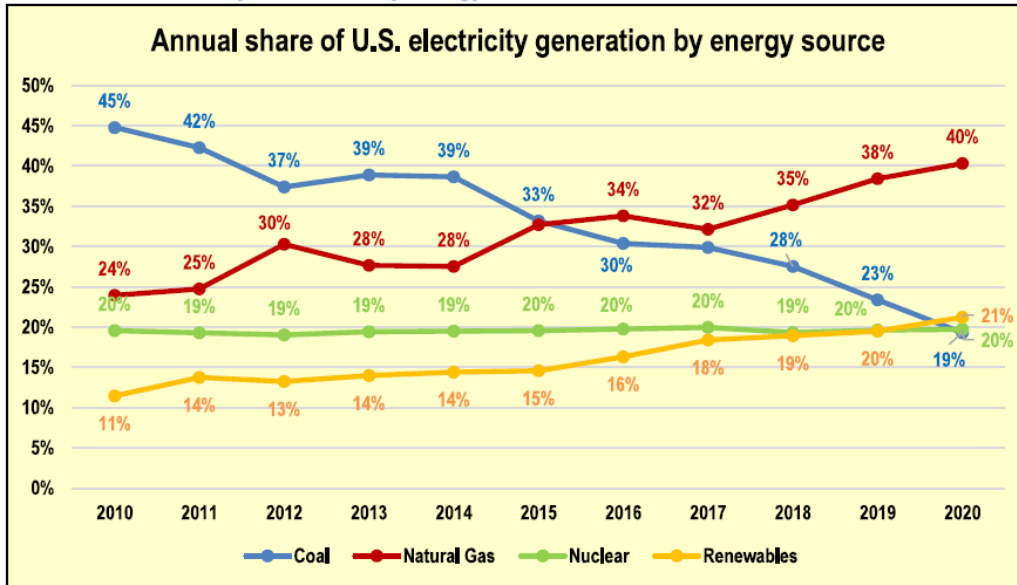


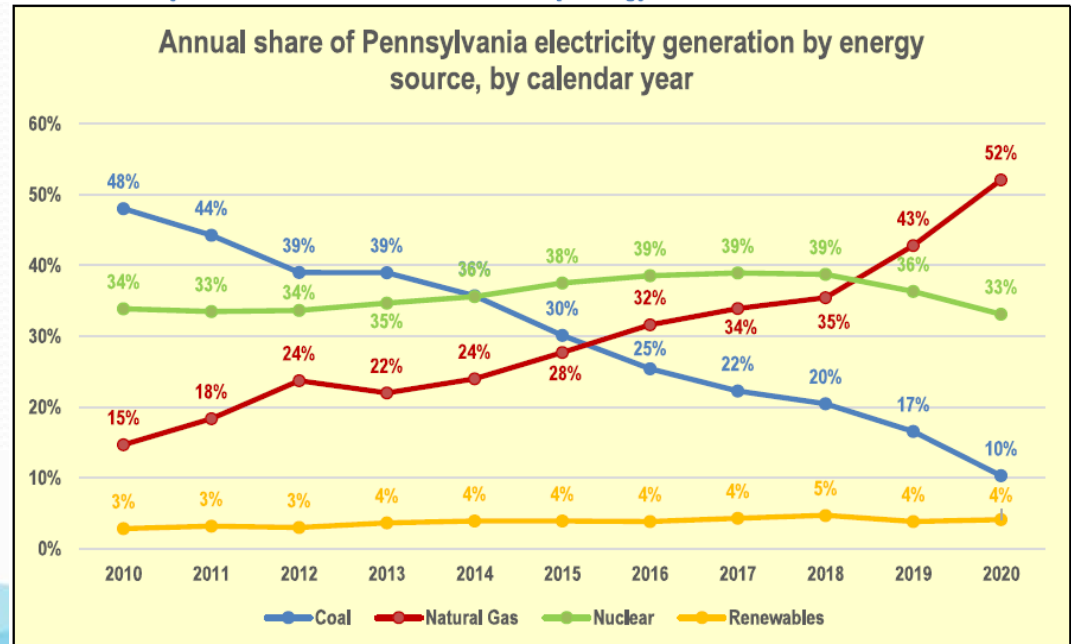
Chart 6: U.S. Electricity Generation by Energy Source, 2020 Calendar Year



Source: Energy Information Administration Electricity Data Browser

AEPS Report 2021 – Observations on Solar Resources

Chart 7: Pennsylvania Annual Electric Generation by Energy Source



Source: Energy Information Administration Electricity Data Browser