P3 Power Providers

New or Restarted Generation Facilities in PJM

(Announced Since July 2024)

Following the July 2024 capacity auctions—which cleared near the Cost of New Entry (CONE) for the first time in two decades—the generation market has seen a surge in momentum. While misconceptions regarding market stagnation persist, the data tells a different story: substantial capital investment is rapidly mobilizing. This document details over 43,000 MW of new generation expected to enter the PJM regional grid, evidencing a definitive and robust market response.

STATE	FACILITY / PROJECT	MW	RESOURCE	DEVELOPER / OWNER	LOCATION	ANNOUNCE-MENT	NOTES
IL	LaSalle Unit 2	174	Nuclear (uprate)	Constellation Energy	LaSalle Co.	PJM RRI	2029 Q1 in service date
IL	Jackson Generation	120	Gas (uprate)	J-Power USA	Will Co.		Target completion 26/27
IL	Elgin Energy Center	540 (approx.)	Gas (CTs)	Middle River Power	Cook Co.	2024-09-10	Retirement reversed
MD	Constellation Maryland Battery Storage	800	Battery (storage)	Constellation Energy		2025-11-04	
MD	Calvert Cliff Clean Energy Center	190	Nuclear (uprate)	Constellation Energy	Calvert County	2025-11-04	
MD	Constellation Maryland Natural Gas	700	Gas (new)	Constellation Energy		2025-11-04	
MD	Oystercatcher BESS	500	Battery (storage)	Tenaska	Harford Co.	PJM RRI	New Build Storage
MD	Keys Energy Center Uprate (RRI)	56	Gas (uprate)	AlphaGen	Prince George's Co.	2025-05-07	Incremental uprate
MD	CPV Backbone Solar	160	Solar	Competitive Power Ventures	Garrett Co.	2026-05-13	Phase two will add an additional 15 MW
NJ	Sayreville Units 1–4 Reactivation	217 (approx.)	Dual-fuel CTs	Heritage Power LLC	Sayreville	2025-07-11	Returned to service Aug 2025
NJ	Linden Generating Station (RRI)	309	Gas (uprate)	AlphaGen	Union Co.	2025-05-07	Incremental uprate
NJ	Bergen Generating Station	53	Gas (uprate)	AlphaGen	Bergen Co.	2025-05-07	Incremental uprate
OH	Hardin II Solar Energy Center	105	Solar	Invenergy	Hardin Co.	2025-01-08	Started Operations
OH	Bluegrass Energy Project	800	Gas (CCGT)	Bluegrass Energy	Fayette Co.	2025-09-11	100% behind the meter, 2026 consturcion
OH	Chestnut Run Energy Project	1,300	Gas	Chestnut Run Energy, LLC	Carroll Co.		Pre-application stage at Ohio Siting Board
OH	Socrates Power Station	400	Gas (CCGT)	Williams	Licking Co.	2025-05-01	Under construction, 2026 in service date
OH	Hamden Energy Project	189	Solar and Storage	Hamden Energy, LLC	Vinton		Pre-application stage at Ohio Siting Board
OH	Richland Generation	55	Gas	Rockland Capital	Defiance	RRI	Target completion 27/28
OH	Lordstown Uprate (RRI)	30	Gas (uprate)	AlphaGen	Trumbull Co.	2025-05-07	Incremental uprate
OH	Troy Plant Conversion	300 (approx.)	Gas (CCGT conv.)	NRG	Wood Co.	2025-03-14	Conversion to baseload CCGT
OH	PowerConneX II New Albany Energy Center	216	Gas	EdgeConnEx	New Albany		Construction starting Q4 2025, 2027 in service date
OH	Portsmouth Scioto/Pike County Site	9,200	Gas	SB Energy	Pike Co.	2026-03-20	Behind-the-meter, data center
OH	Dodson Creek Solar Project	117	Solar	Geronimo Power	Highland Co.	April 2026	New Build
OH	Ohio Natural Gas	1,700	Natural Gas	Tenaska	Jefferson Co.	May 2026	New Build
OH	Sloopy Solar	180	Solar	Invenergy	Clark Co.	2025-09-30	
OH	Pleasant Prairie Solar Energy Center	140	Solar	Invenergy	Ohio	2025-06-26	
OH	Yellow Wood Solar Energy Center	300	Solar	Invenergy	Ohio	2025-06-26	

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OH	Southeast Ohio Uprate	1,500	Nuclear	Elementl	Southeast OH	June 2026	New Build
OH	CPV Rogue's Wind	114	Wind	Competitive Power Ventures	Cambria Co. Clearfield Co.	2024-08-22	Est. Commercial Operation: Q2 2026
OH/PA	Vistra / Meta Nuclear Uprates	433	Nuclear	Vistra	Beaver County (PA), Lake County (OH), Ottawa County (OH)	2026-01-09	Uprates at Beaver Valley (PA), Davis-Besse (OH) and Perry (OH)
PA	Crane Clean Energy Center (restart of TMI-1)	835 (approx.)	Nuclear	Constellation Energy	Dauphin Co.	2024-09-20	Restart of TMI-1; ~$1.6B; COD 2027
PA	Limerick Clean Energy Uprate	340	Nuclear (uprate)	Constellation Energy	Montgomery Co.	2025-07-15	Extends life into 2040s
PA	Homer City Energy Campus	4,500 (approx.)	Gas (7x GE 7HA.02) Ho	Homer City Redev.	Indiana Co.	2025-04-02	4.5 GW redevelopment
PA	Shippingport Power Station	2,700 (approx.)	Gas (NGCC)	Frontier Group	Beaver Co.	2025-07-16	Repurposing Bruce Mansfield site
PA	Greene County BTM Gas Plant (IEP III)	944	Gas CCGT + BESS	IEP III / Essential Utilities	Greene Co.	2025-08-27	Behind-the-meter; data center
PA	PPL–Blackstone JV	TBD	Gas (multi-CCGT)	PPL & Blackstone	Multiple sites	2025-07-15	ESA-backed; 2030s
PA	Armstrong Plant Conversion	300 (approx.)	Gas (CCGT conv.)	NRG	Armstrong Co.	2025-03-14	Conversion to baseload CCGT
PA	Hummel Uprate (Capital Power)	40	Gas (uprate)	Capital Power	Snyder Co.	2025-03-14	Incremental uprate
PA	Hunterstown Uprate (LS Power)	30	Gas (uprate)	LS Power	Adams Co.	2025-03-14	Incremental uprate
PA	SW PA Natural Gas Generation Facility	4,300	Gas	NextEra Energy Resources	SW PA	2026-03-20	Approximately a $17 billion project
VA	Chesterfield Energy Reliability Center	944	Gas peakers	Dominion Energy VA	Chesterfield Co.	2025-03-03	CPCN filed; COD 2029
VA	Doswell Uprate	30	Gas (uprate)	NRG	Hanover Co.	2025-03-14	Incremental uprate
VA	Expedition Generating Station	611	Gas (CCGT)	Tenaska	Fluvanna Co.	PJM RRI	New Build CCGT
VA	Expedition Generating Station	712	Gas (CCGT)	Tenaska	Fluvanna Co.	PJM RRI	New Build CCGT
VA	Pelican BESS	650	Battery (storage)	Tenaska	James City Co.	PJM RRI	New Build Storage
VA	Spoonbill BESS	425	Battery (storage)	Tenaska	Loudoun Co.	PJM RRI	New Build Storage
VA	Fluvanna Uprate (Tenaska Virginia Partners)	27 (approx.)	Gas (uprate)	Tenaska	Fluvanna Co.	PJM RRI	Incremental uprate
WV	Ridgeline Facility	1,000 (approx.)	Gas (onsite)	Fundamental Data	Tucker Co.	2024-11-22	Onsite for AI campus
WV	Mingo & Logan Microgrid Plants	TBD	Gas (microgrid)	TransGas Data Systems	Mingo & Logan Cos.	2024-08-29	Onsite for data centers
WV	FirstEnergy Natural Gas Plant	1,200	Natural Gas	FirstEnergy		2025-11-09	FirstEnergy has not picked out a site yet. Will file plans with the WV PSC in early 2026
WV	Wolf Summit	600	Gas (CCGT)	Kindle Energy / GE Vernova	Harrison Co.	2025-11-13	Construction began in April 2026
WV	Moundsville	500	Gas	Calpine	Marshall Co.	2026-01-22	
MD/NJ/OH	AlphaGen Generation Uprate	2,700	Gas	AlphaGen	PJM Region	2026-05-07	Incremental uprate

*Note that this chart only includes publicly announced projects and that additional projects are included (but not announced) in the PJM RRI initative.
For the complete list of RRI projects - https://www.pjm.com/-/media/DotCom/committees-groups/committees/pc/2025/20250506/20250506-rri-addendum---post-meeting.pdf

** On September 23, 2025, Constellation announced plans to invest in equipment and technology upgrades that could add up to 2,000 MW of additional nuclear generating capacity across its PJM fleet.