

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 12,000 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	ANNOUNCEMENT	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
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	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	Solr 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 (LS Power)	300 (approx.)	Gas (CCGT conv.)	LS Power	Wood Co.	2025-03-14	Conversion to baseload CCGT
OH	PowerConneX II New Albany Energy Cente	216	Gas	EdgeConnEx	New Albany		Constuction starting Q4 2025, 2027 in service date

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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 (LS Power)	300 (approx.)	Gas (CCGT conv.)	LS Power	Armstrong Co.	2025-03-14	Conversion to baseload CCGT
PA	Hummel Uprate (Capital Power)	40	Gas (uprate)	LS 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
VA	Chesterfield Energy Reliability Center	944	Gas peakers	Dominion Energy VA	Chesterfield Co.	2025-03-03	CPCN filed; COD 2029
VA	Doswell Uprate (LS Power)	30	Gas (uprate)	LS Power	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	Location TBD	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	610	Gas (CCGT)	Kindle Energy / GE Vernova	Harrison Co.	2025-11-13	Fully contracted, 600-megawatt greenfield

*Note that this chart only includes publicly announced projects and that additional projects are included (but not announced) in the PJM RRI initiative.

For the complete list of RRI projects - <https://www.pjm.com/-/media/DotCom/committees-groups/committees/pc/2025/20250506/20250506-rrr-addendum--post-meeting.pdf>

**Note that Constellation announced on September 23, 2025, that it procuring investments in equipment and technology that could add a total of 2,000 MW of nuclear capacity to the PJM grid.