

Pillsbury Nuclear-Powered Data Center Project Tracker

May 2025 Edition

Advanced Reactors and Small Modular Reactors (SMRs)						
Data Center Offtaker	Reactor Design	Anticipated Operator	Nameplate Capacity/Unit	Anticipated MW in Deal	Announced Deal Structure	Potential Location
Amazon Web Services	X-energy XE-100	Energy Northwest	80 MWe	320 MW with option to scale up to 960 MW	\$500 Series C-1 round led by Amazon’s Climate Pledge fund, with investment from Citadel founder Ken Griffen, NGP and the University of Michigan.	Pacific Northwest
Amazon Web Services	X-energy XE-100	Dominion	80 MWe	300 MW	\$500 Series C-1 round led by Amazon’s Climate Pledge fund, with investment from Citadel founder Ken Griffen, NGP and the University of Michigan.	Virginia (North Anna Power Station)
Google	Kairos Power KP-FHR	Various	75 MWe (deployed two at a time for 150 MWe total)	500 MW (1 initial 50 MW reactor with 6x75MW reactors subsequently)	Master Plant Development Agreement	Multiple
Standard Power	NuScale VOYGR	ENTRA1 Energy	77 MWe	Up to 2 GW	In October 2023 Standard Power announced it had selected NuScale as the SMR technology partner for two planned gigawatt-scale data centers. ENTRAI has the rights to develop, manage, own and operate the plants.	Ohio, Pennsylvania
Switch	Oklo Aurora Powerhouse	Various	50 MWe	12 GW	Master Power Agreement	Nevada
Meta				1–4 GW	TBD. Request for Proposals filed February 7, 2025	
Oracle				TBD	Designing a data center that would be powered by three SMRs	
Google				2.4 GW (at least three sites will deploy 600 MW each)	Elementl Power, an advanced nuclear development company, will identify, acquire and prepare locations to accommodate the reactors.	

Existing Nuclear Plants and Nuclear Plant Restarts						
Data Center Offtaker	Nuclear Power Plant	Project Type	Owner	Announced Deal Structure	Expected Online Year	Potential Location
Microsoft	Crane Clean Energy Center (formerly Three Mile Island, Unit 1)	Plant Restart + Long-Term PPA	Constellation	20-year PPA at approximately \$100/MWh	Mid-2028	Londonderry Township, Penn.
Amazon Web Services	Susquehanna Nuclear Station	Existing Plant + Co-Location/ Behind-the-Meter	Talen Energy	Direct sale of data center campus to Amazon Web Services	Challenges asserted for co-located data centers and behind-the-meter load.	Salem Township, Penn.
Public reporting of discussions	Calvert Cliffs Clean Energy Center	Existing Plant + Co-Location/ Behind-the-Meter	Constellation			Calvert County, Md.
Public reporting of discussions	Comanche Peak	Existing Plant + Co-Location/ Behind-the-Meter	Vistra	Vistra in discussion with several parties. Comanche Peak is in ERCOT and outside FERC jurisdiction.	Public reports also note Vistra is in discussion to build new gas power plants to support data center projects directly.	Dallas, Texas
Public reporting of discussions	Hope Creek Nuclear Generating Station	Existing Plant	PSEG		According to public reporting on PSEG, deal is possible this year and is not contingent on the outcome of FERC investigation into PJM colocation rules.	Lower Alloways Creek Township, N.J.
Public reporting of discussions	Salem Nuclear Power Plant	Existing Plant	PSEG		According to public reporting on PSEG, deal is possible this year and is not contingent on the outcome of FERC investigation into PJM colocation rules.	Lower Alloways Creek Township, N.J.