

Pillsbury Nuclear-Powered Data Center Project Tracker

June 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 | Requests for proposals were due February 7, 2025. Over 50 qualified submissions received for RFP. | |
| 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. |
| Meta | Clinton Clean Energy Center | Existing Plant + 30 MW | Constellation | 20-year Corporate Nuclear Energy Agreement for Zero Emissions Credits (ZEC), taking over when state ZEC program expires | 2027 | Clinton, Illinois |
| 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. |