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Equinix Collaborates with Leading Alternative Energy Providers to Power AI-Ready Data Center Growth

Announces agreements with next-generation nuclear providers Oklo, Radiant, ULC-Energy, Stellaria, and fuel cell provider Bloom Energy

REDWOOD CITY, Calif., Aug. 14, 2025 /PRNewswire/ -- Equinix, Inc. (Nasdaq: EQIX), the world's digital infrastructure company®, announced it is working with leading energy companies that are developing innovative approaches to generating reliable and sustainable electricity to support the needs of Equinix data centers worldwide. This is part of Equinix's diversified portfolio power strategy to help mitigate potential power constraints in the future, by expanding traditional power arrangements with utilities and combining new on-site power generation technologies and exploring next generation nuclear energy. These agreements reflect Equinix's focus to support the scale, efficiency and resiliency customers need through a comprehensive approach to power.

According to a report from the International Energy Agency, the world's electricity consumption is projected to grow 4% annually through 2027, marking the fastest pace in recent years. This surge is driven by a perfect storm of factors: unprecedented electrification, data center expansion driven by artificial intelligence, and a resurgence in industrial manufacturing. This rising demand can put a strain on utility providers to generate enough power and is already putting pressure on aging electrical grids to distribute it. To help meet demand and support continued growth, the world's energy grid will require new sources of electricity.

Equinix is taking a diversified portfolio approach to the global energy challenge by tapping into innovative power technologies and working directly with utilities to strengthen the grid. As of today, Equinix is funding and supporting advanced transmission system upgrades with utility partners, including new substations that will enhance grid reliability and emergency backup solutions that aim to benefit all ratepayers during power interruptions. Equinix is also investing in power solutions such as fuel cells and natural gas that are expected to enhance operations while adding capacity resources to the grids where it operates. Looking ahead, the company is supporting the development of advanced nuclear technologies that can deliver reliable, clean power in the future.

"Access to round-the-clock electricity is critical to support the infrastructure that powers everything from AI-driven drug discovery to cloud-based video streaming," said Raouf Abdel, Executive Vice President of Global Operations at Equinix. "As energy demand increases, we believe we have an opportunity and responsibility to support the development of reliable, sustainable, scalable energy infrastructure that can support our collective future. By working with our energy partners, we believe we can support the energy needs of our customers and communities around the world by helping to strengthen the grid and investing in new energy sources."

Next generation nuclear technologies can offer a pathway to faster nuclear deployments due to their simplified design and robust safety features. Equinix sees safe, efficient and reliable nuclear energy as a promising solution to help power both data centers and the broader grid. The company is working with:

- **Oklo:** In 2024, Equinix became the first data center operator to sign an agreement with a small modular reactor (SMR) company. Equinix signed an agreement to procure 500MW of energy from Oklo's next-generation fission Aurora powerhouses. Oklo's fast reactors incorporate inherent safety features and can be fueled by nuclear waste.
- **Radiant:** Today Equinix announced a preorder agreement for the purchase of 20 of Radiant's Kaleidos microreactors. Kaleidos offers a reliable, long-lasting energy source that can be transported anywhere it's needed, installed in days, and deployed safely alongside existing equipment and integrated with on-site transmission infrastructure.
- **ULC-Energy with Rolls-Royce SMR:** Equinix today announced it has signed a Letter of Intent with ULC-Energy for a PPA up to 250 MWe to power data centers in the Netherlands. ULC-Energy is an Amsterdam based nuclear project developer that in 2022 selected Rolls-Royce SMR as its preferred technology solution for deployment of SMRs in the Netherlands. Rolls-Royce SMR is developing a 470 MWe light water small modular reactor. In June, Rolls-Royce SMR was selected as the preferred bidder to partner with Great British Energy – Nuclear to deploy the UK's first small modular reactors.
- **Stellaria:** Equinix announced a pre-order power agreement for 500 MWe to expand data centers across Europe. Stellaria, incubated by Schneider-Electric, and the CEA (French Atomic Energy Agency), offers the very first molten salt Breed & Burn reactor in the world. It will breed 100% of its liquid fissile fuel inside the reactor without refueling, while recycling spent fuels and burning long life waste.

Advanced fuel cells are another technology that can be used for scalable, efficient and cleaner onsite energy. Equinix has been using fuel cells for more than 10 years in collaboration with:

- **Bloom Energy:** Equinix has an agreement to expand its deployment of solid-oxide fuel cells to more than 100MW at over 19 data centers in six states to provide onsite power generation. Fuel cells are highly efficient and enable Equinix to avoid 285,000 MTCO2e emissions and 382 billion gallons of embedded water use.

"The potential challenges to powering reliable and sustainable digital infrastructure are considerable," said Ali Ruckteschler, Senior Vice President and Chief Procurement Officer at Equinix. "However, Equinix has always been at the forefront of energy innovation, signing the data center industry's first agreement with a SMR provider and pioneering the use of fuel cells a decade ago. Powering AI infrastructure responsibly is a global priority. With Equinix's operational expertise, trusted supply chain, and close partnerships with the U.S. and global governments and utilities, we are poised to deliver safe, secure and reliable AI solutions for our customers and the communities we serve."

Equinix is committed to being part of the creative and sustainable solutions that help address the world's growing energy needs. As data centers continue to provide the crucial infrastructure powering AI and the global economy, it is essential to develop and deploy the energy infrastructure required to power them. The company remains committed to sourcing 100% clean and renewable energy across its global portfolio by 2030 and has already achieved 96% renewable energy coverage globally, with 250 sites operating with 100% renewable energy coverage in 2024.

Equinix also designs highly efficient data centers aimed at optimizing energy use. Since 2022, the company has phased in the adoption of industry best practice ASHRAE A1 Allowable (A1A) standards at new sites worldwide. This enables the flexibility of wider operating temperature ranges, which can optimize energy used for cooling without compromising performance. In 2023, Equinix announced plans to expand support for highly efficient advanced liquid cooling technologies—like direct-to-chip—to over 100 data centers across 45 metros around the world.

Additional Resources

- **[Blog]** Powering a Sustainable Future: Energy Innovation for the Digital Era

About Equinix

Equinix, Inc. (Nasdaq: EQIX) shortens the path to boundless connectivity anywhere in the world. Its digital infrastructure, data center footprint and interconnected ecosystems empower innovations that enhance our work, life and planet. Equinix connects economies, countries, organizations and communities, delivering seamless digital experiences and cutting-edge AI—quickly, efficiently and everywhere.

Forward-Looking Statements

This press release contains forward-looking statements that involve risks and uncertainties. Actual results may differ materially from expectations discussed in such forward-looking statements. Factors that might cause such differences include, but are not limited to, risks to our business and operating results related to the current inflationary environment; foreign currency exchange rate fluctuations; stock price fluctuations; increased costs to procure power and the general volatility in the global energy market; the challenges of building and operating IBX® and xScale® data centers, including those related to sourcing suitable power and land, and any supply chain constraints or increased costs of supplies; the challenges of developing, deploying and delivering Equinix products and solutions; unanticipated costs or difficulties relating to the integration of companies we have acquired or will acquire into Equinix; a failure to receive significant revenues from customers in recently built out or acquired data centers; failure to complete any financing arrangements contemplated from time to time; competition from existing and new competitors; the ability to generate sufficient cash flow or otherwise obtain funds to repay new or outstanding indebtedness; the loss or decline in business from our key customers; risks related to our taxation as a REIT; risks related to regulatory inquiries or litigation; and other risks described from time to time in Equinix filings with the Securities and Exchange Commission. In particular, see recent and upcoming Equinix quarterly and annual reports filed with the Securities and Exchange Commission, copies of which are available upon request from Equinix. Equinix does not assume any obligation to update the forward-looking information contained in this press release.



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