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Orrick: Powering Data Centers

Megawatts to Megabytes: Orrick's Guide to Developing, Financing & Powering Data Centers

How can data center developers secure reliable power when U.S. demand is growing 23% annually and interconnection delays now stretch to 5+ years? This guide examines practical strategies for powering data centers amid grid constraints and clean energy requirements.

The guide covers power generation options from nuclear and geothermal to natural gas and fuel cells, grid interconnection strategies including co-located generation and replacement rights, and contracting mechanisms such as Clean Transition Tariffs, behind-the-meter PPAs, and virtual PPAs. It also addresses key regulatory requirements including FERC interconnection rules, state supply restrictions and market-based rate authority.

[Read this excerpt from our guide Megawatts to Megabytes.](#)

November.20.2025

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