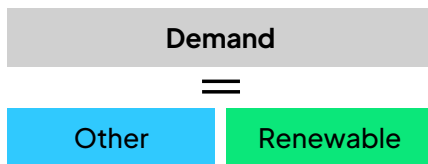


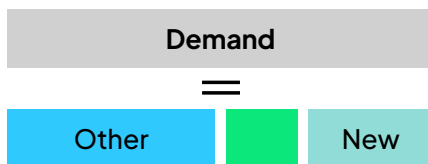
What's the problem with the grid today?

- Since the grid needs an equal balance of electrical supply and demand to consistently provide power to consumers, uncontrollable energy sources — such as wind and solar — pose difficulties for grid balancing. The increase in reliance on weather-dependent renewable energy sources makes it difficult for power companies to supply the correct amount of electricity to the grid.
- Consequentially, imbalances in the supply and demand of electricity lead to transmission congestion, energy price volatility, and ultimately, brownouts and blackouts. Bitcoin miners and utility-scale power producers can work together to restore the balance needed for a stabilized electrical grid and enable the consistent delivery of electricity to consumers.

How can miners address irregular energy supply and demand?



In any given instant, the total supply of electricity must equal the total demand for electricity.



When intermittent sources of electricity decline, demand must be met with additional sources of supply, often at higher costs.



Controllable loads, like Bitcoin miners, can benefit the grid by reducing total demand in proportion to the loss of intermittent generation—preventing the need for incremental higher-cost supply.

■ Other (Nuclear, Natural Gas, Coal) ■ Renewable (Solar, Wind, Hydro)

As a controllable load, Bitcoin miners can serve as a valuable grid resource and are part of the solution to the growing instability of our energy infrastructure. As more uncontrollable renewable energy sources come online, controllable loads (such as Bitcoin miners) will play a crucial role in stabilizing the electricity grid. Mining machines can be powered on and off to level the energy supply in proportion to demand at any given moment.

What does this mean for energy companies?

Monetize Baseload

- By mining Bitcoin directly from the facility, there is an opportunity to turn produced energy into an additional revenue source.
- Due to changing demand curves, baseload producers can use mining to keep plants on and running during times when intermittent resources are eating into their production.
- Producers can monetize wasted/stranded energy such as oil, natural gas, curtailed renewable energy, and areas under transmission constraint.

Responsive Demand

- Grid operators can use Bitcoin mining as a tool to manage the demand curve.
- Mining can be used as a dispatchable asset. During peak times, miners can be curtailed to add capacity back to the grid.
- Instead of responding to the daily demand curve, producers can operate a flat or consistent block of power to be utilized where demand requires it, and can monetize it on the Bitcoin network.

How can Foundry help?

Designed to set mining operations up for success and see institutions through every phase of the mining cycle, our full suite of services helps you navigate the miner ecosystem with ease.



For more information, please visit foundrydigital.com.