

# Manage Energy Price Risk with Forecast-Enabled Dirty Hedging

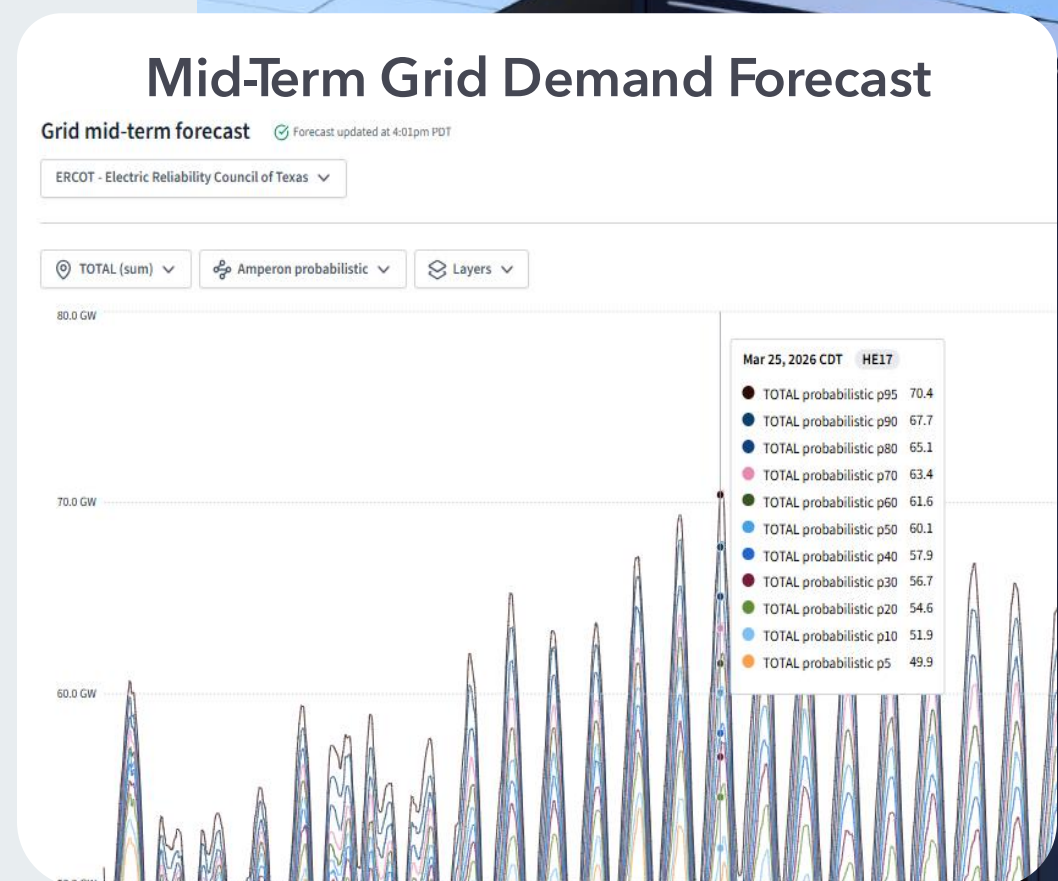
## Large Data Center Operators Choose Amperon

Data center growth is a fact of life in the AI era. Whether you're growing through acquisition or investing in new infrastructure, more data center square footage translates directly into greater exposure to energy markets and new types of load profiles. Fortunately, simple energy market activities can have an outsized impact on your bottom line.

### Reduce Your Exposure to Spot Prices

In an era of rapidly fluctuating energy and commodity prices, predictability requires advance planning. Here's how datacenter operators with exposure to deregulated markets such as PJM, ERCOT, and CAISO operationalize energy forecasts:

- Use data center's historical energy demand to buy a month's worth of energy at market rate.
- Use Amperon's high-accuracy mid-term grid demand forecast, consuming either via our intuitive UI (shown at right) or via API/CSV, to spot weather-based deviations from historical demand in the upcoming weeks.
- Adjust bal-month hedges daily to achieve significant YoY decreases in energy costs.



### Prepare for Peak Hours

Peak demand events can drive power prices to exorbitant heights, forcing the unprepared to double their operating budget just to keep the lights on for a handful of hours. With Amperon's probabilistic forecast view, you'll be able to spot these P95 events weeks or months in advance, hedge your load appropriately, and operate confidently.

## Amperon Products for Data Center Power Supply Optimization

**Grid Demand Mid-Term Forecast:** 45-day hourly forecast updated daily; 7-month hourly forecast updated monthly. Probabilistic bands enable rough expectations and flag tail risk.

**Grid Demand Short-Term Forecast:** 15-day hourly forecast, updated hourly.

**Day-Ahead and Real-Time Price Forecasts, ERCOT:** 15-day DA, hourly granularity, updated hourly; 72-hr RT, 5-minute granularity, updated every 5 minutes.

**Meter Demand Short-Term Forecast:** 15-day hourly forecast custom-built for your load patterns.