

AG2 PJM Load Forecast

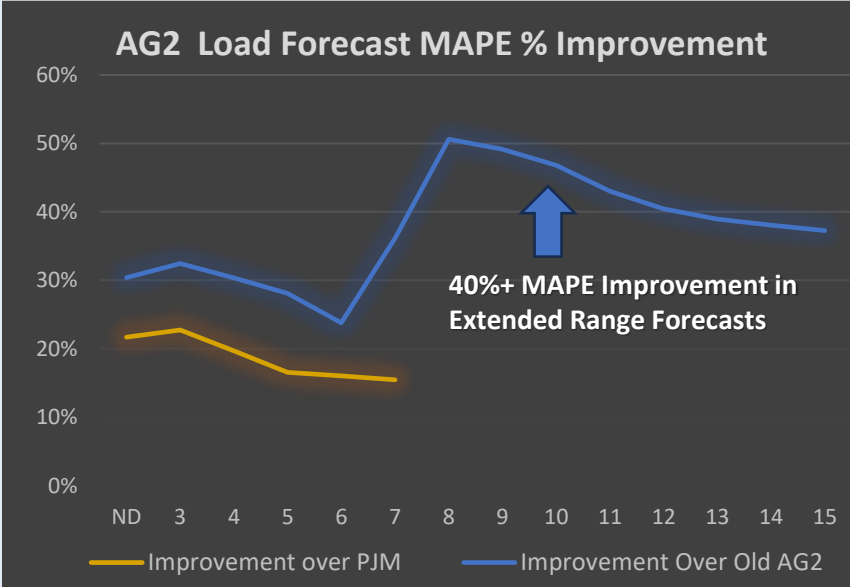
Next-Generation AI Load Modeling

Atmospheric **G2**

Sharper Load Signals. Smarter Market Decisions.

We've upgraded the AG2 PJM Load Forecast model with a next-generation AI/ML forecasting framework built on multi-model weather ensembles and enhanced demand translation techniques. The result:

- **18.7% improvement** over the PJM Load Model
- **37.5% improvement** over the previous AG2 Load Model
- Stronger peak-hour & overnight load accuracy
- Better performance in volatile weather



AG2 Load Forecast MAPE % Improvement over PJM																									
	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
Next day	18.7%	19.2%	18.2%	13.4%	8.5%	10.8%	17.4%	16.3%	20.8%	25.6%	28.7%	30.6%	30.4%	30.8%	30.0%	30.3%	29.9%	27.2%	21.6%	21.1%	20.9%	17.0%	15.7%	17.8%	
Day 3	22.0%	23.7%	22.3%	19.1%	16.2%	18.9%	23.2%	23.1%	23.1%	25.3%	27.5%	26.4%	26.5%	25.1%	27.5%	27.6%	27.9%	25.1%	21.6%	21.7%	22.5%	18.2%	14.9%	16.5%	
Day 4	17.6%	18.9%	18.9%	16.3%	14.5%	15.5%	20.5%	20.1%	15.6%	22.8%	26.4%	25.0%	22.9%	22.0%	21.3%	23.5%	24.6%	22.9%	18.3%	18.2%	20.3%	15.9%	14.3%	16.1%	
Day 5	16.9%	15.8%	13.6%	10.5%	6.3%	9.0%	10.6%	10.0%	12.3%	19.0%	22.4%	23.7%	21.6%	21.6%	21.6%	21.5%	23.7%	22.8%	17.1%	17.4%	17.7%	13.1%	12.9%	14.6%	
Day 6	14.4%	15.7%	13.5%	10.3%	6.1%	6.8%	9.6%	9.8%	11.7%	15.8%	17.9%	20.4%	19.7%	19.7%	20.3%	20.7%	23.0%	21.4%	19.0%	19.0%	19.0%	17.0%	16.8%	17.2%	
Day 7	15.2%	16.3%	14.2%	11.3%	9.3%	10.0%	10.1%	10.7%	11.1%	14.2%	16.6%	18.1%	18.2%	18.6%	19.2%	19.1%	20.0%	15.2%	17.5%	16.3%	16.6%	16.6%	16.2%	16.7%	

+20% Improvement
Over PJM Next Day & Day 3

+20% Improvement
Over PJM Hours 0900-1700

+40% Improvement
Over Old AG2 Days 9-13

AG2 rebuilt the PJM Load Forecast framework using multi-model weather ensembles and AI-driven demand translation.

- Region specific weather processing
- Better handling of nonlinear weather/load relationships
- Improved long-range calibration
- Unique ML techniques to capture impacts of data centers

For you, this means:

- Better DA/RT positioning
- Improved confidence in extended-range load risk
- Earlier visibility into weather-driven market shifts

AG2 provides more stable and more actionable forecasts during volatile weather regimes. Built for volatility. Tuned for Traders.