

Daily Load Forecast - 8/3/2025

AI-powered energy demand predictions for optimal grid management

Generated by: Vanguard Load Forecast Agent
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Use Case: energy-load-forecasting

Executive Summary

Total System Peak Load: 1,983 MW
Expected Peak Time: 2:00 PM - 4:00 PM
Weather Impact: Moderate (Temperature: 28°C)
Confidence Level: 94.5%
Recommended Reserve Margin: 15%

Regional Forecast Summary

Region	Peak Load (MW)	Average Load (MW)	Minimum Load (MW)	Peak Time	Capacity Margin
North	1,897	1,319	838	2:00 PM	29%
South	1,983	1,349	827	2:00 PM	14%
East	1,863	1,303	846	2:00 PM	15%
West	1,869	1,329	793	2:00 PM	13%
Central	1,952	1,353	806	2:00 PM	15%

Operational Recommendations

- Activate peaking units in North region by 1:00 PM
- Schedule demand response event for industrial customers 2:00-5:00 PM
- Increase spinning reserve to 500

MW during
peak hours

- Monitor

West region
transmission
constraints

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Coordinate with
neighboring
utilities for
potential imports