

# U.S. Grid Operations — Executive Overview

Real-time analytics across 10 US balancing authorities

Data Through  
Feb 11, 2026, 12:00:00 AM

Balancing Authority ▾

Forecast MAPE (%)

5.55

Avg Demand (MW)

42223

Peak Demand (MW)

139,410

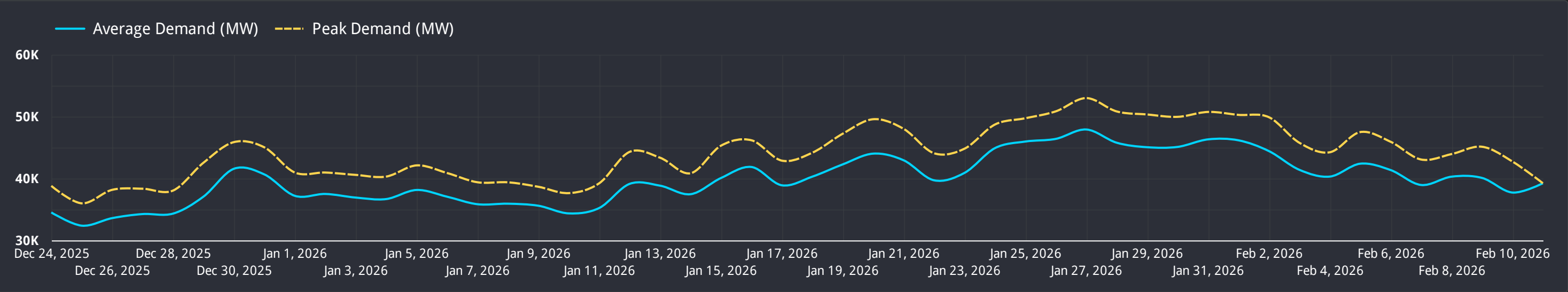
Renewable Share (%)

31

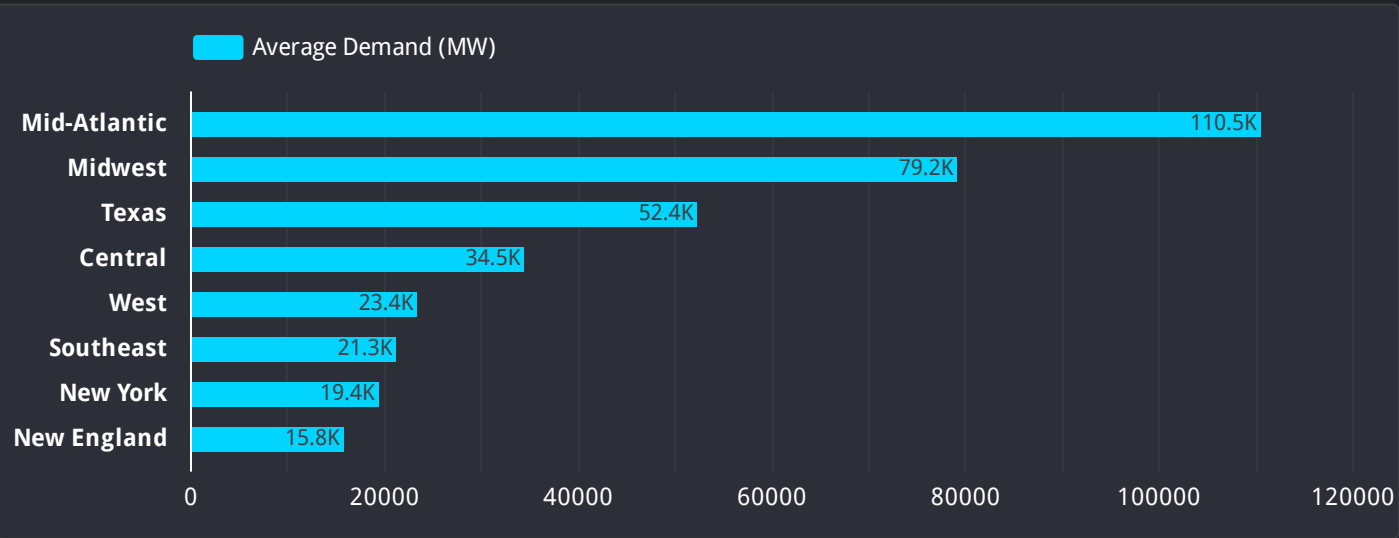
Avg Price (¢/kWh)

17.89

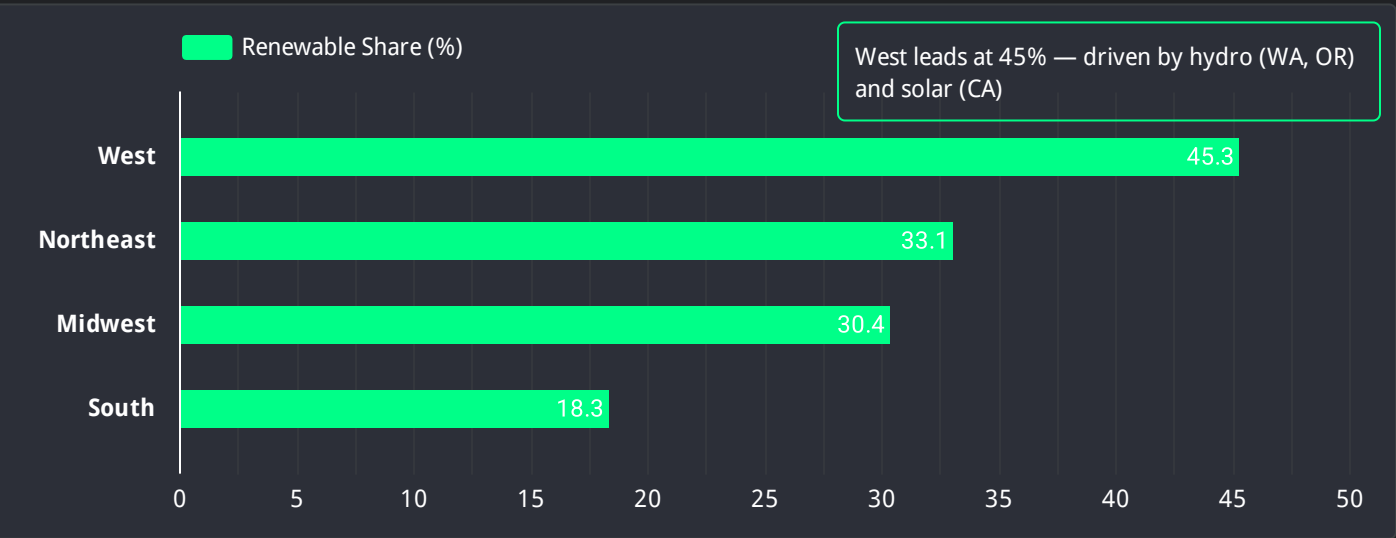
Demand & Peak Trend — 60-Day Rolling Window



Average Demand (MW) by Region



Renewable Share (%) by Region



Grid Operations - Daily Forecast Performance

Select date range

BA Selector

Region Selector

Daily MAPE

5.05

Avg Demand (MW)

39.9K

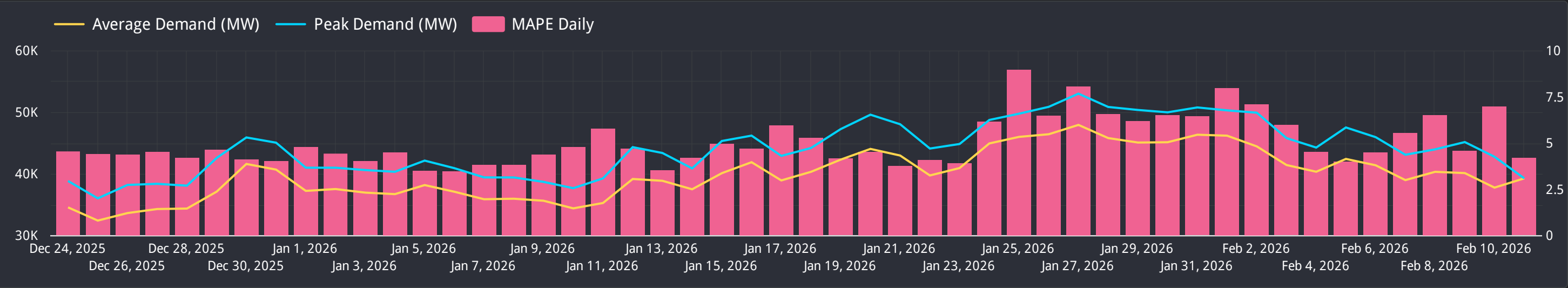
Peak Utilization (%)

64.0

Hours Above 90% Utilization

0

Daily Demand vs. Forecast Accuracy (MAPE %)

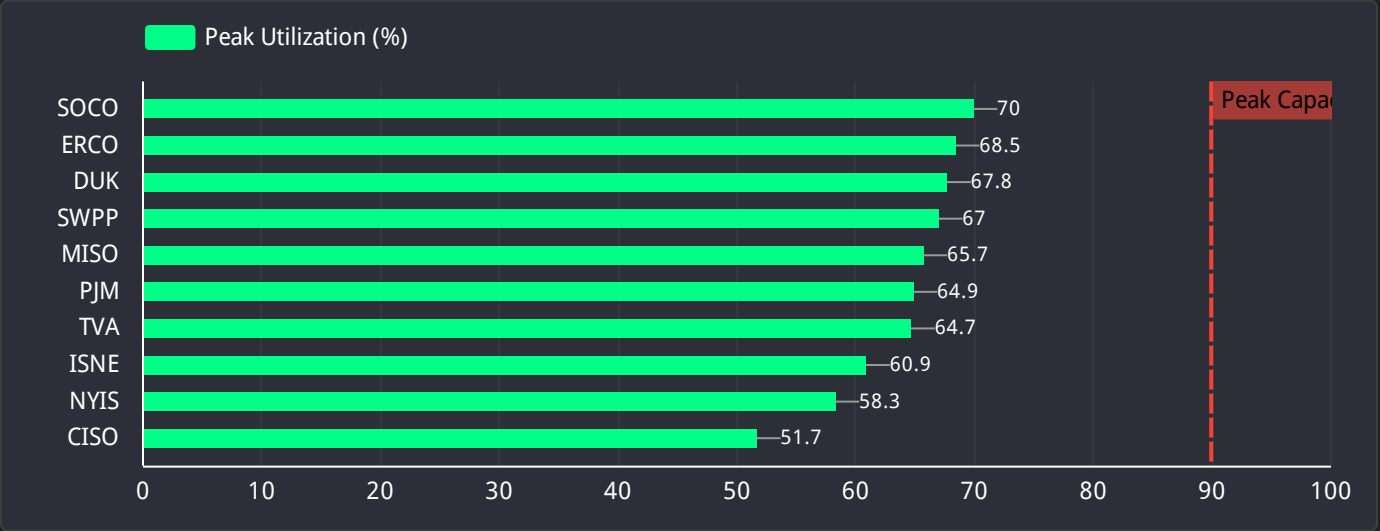


Forecast Accuracy by Balancing Authority

|    | BA NAME               | MONTH       | MAPE (%) ▾ | RMSE (MW) | MEAN BIAS (MW) |
|----|-----------------------|-------------|------------|-----------|----------------|
| 1. | Duke Energy Carolinas | Feb 1, 2026 | 21.15      | 3,269.8   | 2,694.3        |
| 2. | Southwest Power Pool  | Jan 1, 2026 | 13.48      | 6,355.6   | -5,673.1       |
| 3. | Southwest Power Pool  | Dec 1, 2025 | 13.34      | 5,117.6   | -4,970.3       |
| 4. | Southwest Power Pool  | Feb 1, 2026 | 11.3       | 4,454.5   | -4,337.4       |
| 5. | Duke Energy Carolinas | Jan 1, 2026 | 9.51       | 2,063.6   | 805.1          |
| 6. | California ISO        | Jan 1, 2026 | 7.98       | 2,938     | 1,526.7        |
| 7. | California ISO        | Dec 1, 2025 | 7.05       | 2,421.9   | 990.1          |

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Peak Utilization (%) by BA



U.S. Energy Transition - Generation Mix Analysis

Select date range

State

Census Region

Renewable Share (%)

30.6

Total Generation (MWh)

30.8M

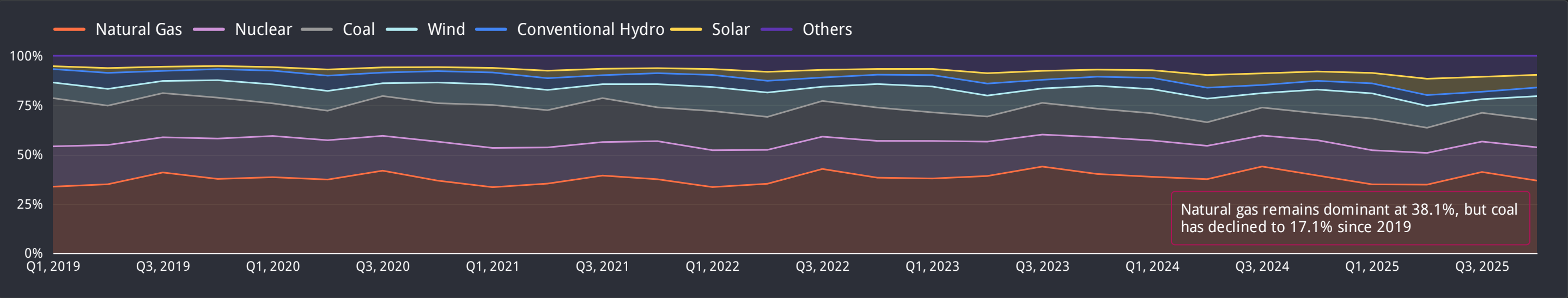
Coal Share (%)

19.6

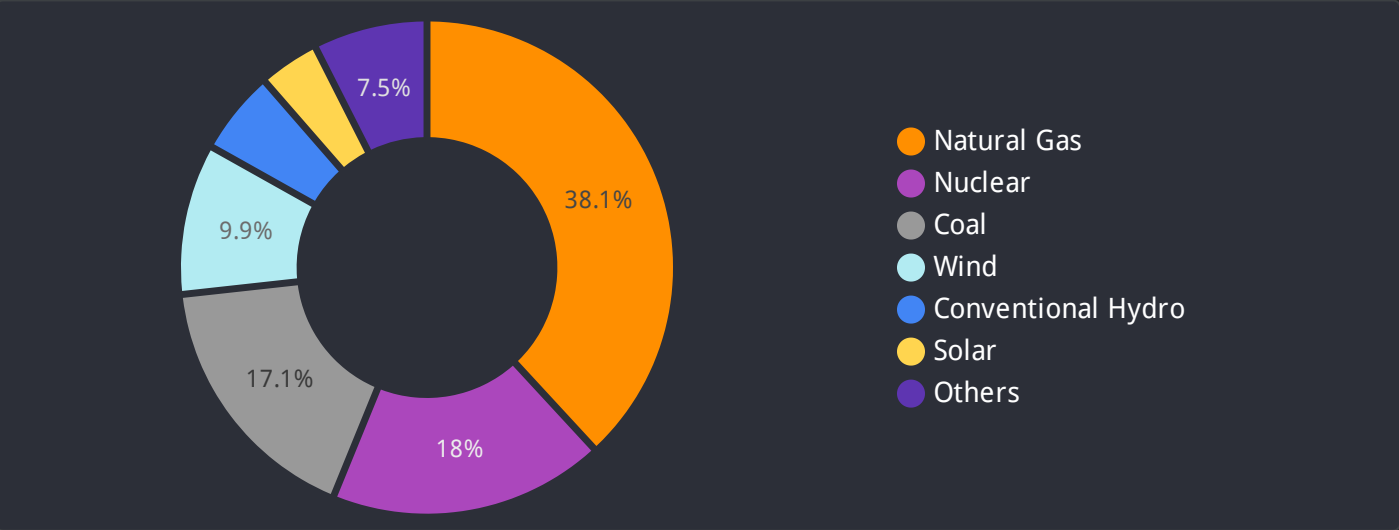
Wind + Solar Share (%)

18.6

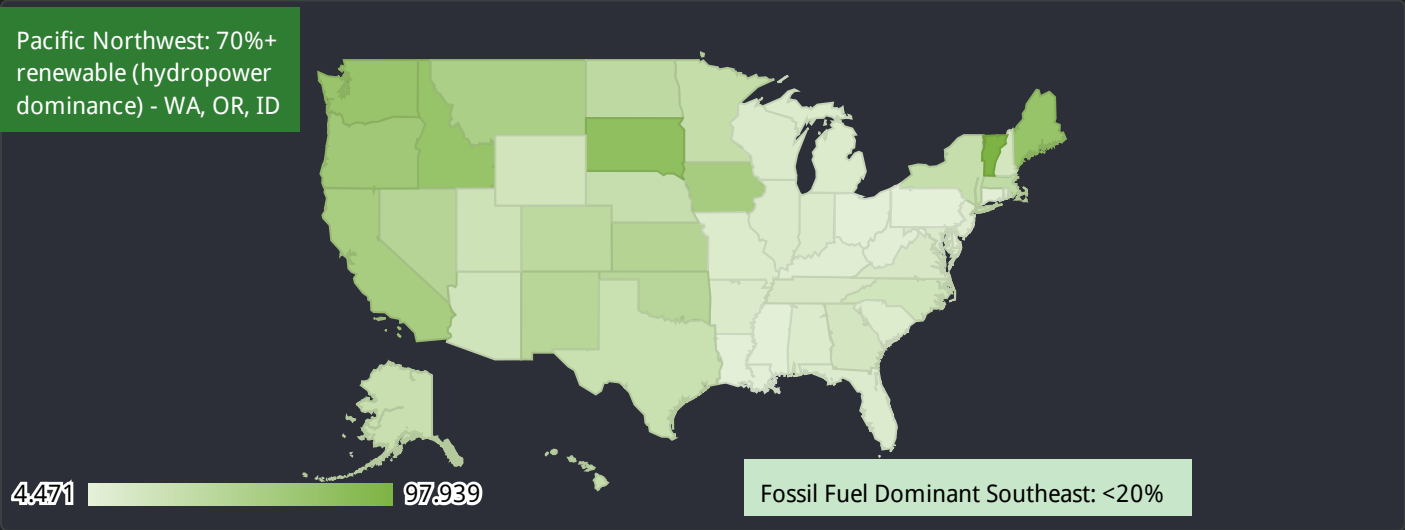
U.S. Generation Mix Share (%) — 2019–2025



Generation by Fuel Type — Current Mix



Renewable Share by State



# Renewable Energy Economics — Price vs. Share Analysis

Select date range ▾

State ▾

Sector ▾

Avg Residential Price (¢/kWh)

10.81

Total Revenue (\$M)

3.2M

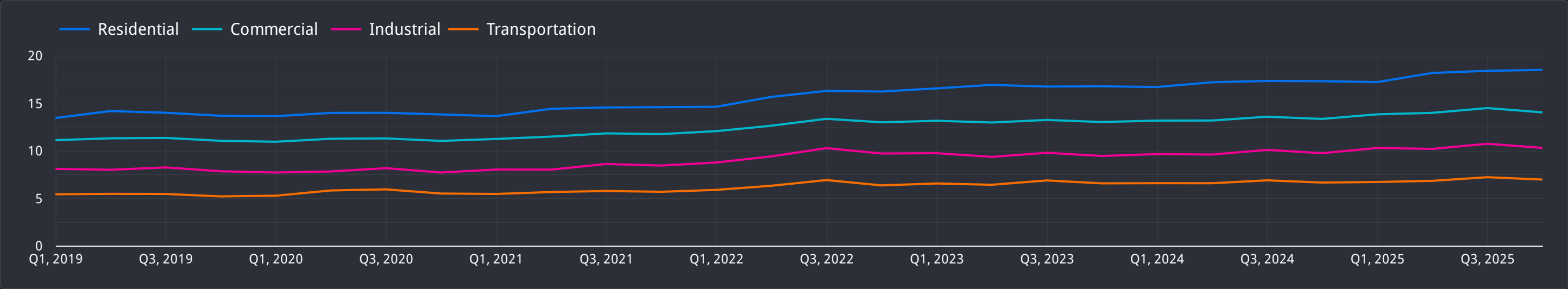
Avg Renewable Share (%)

35.22

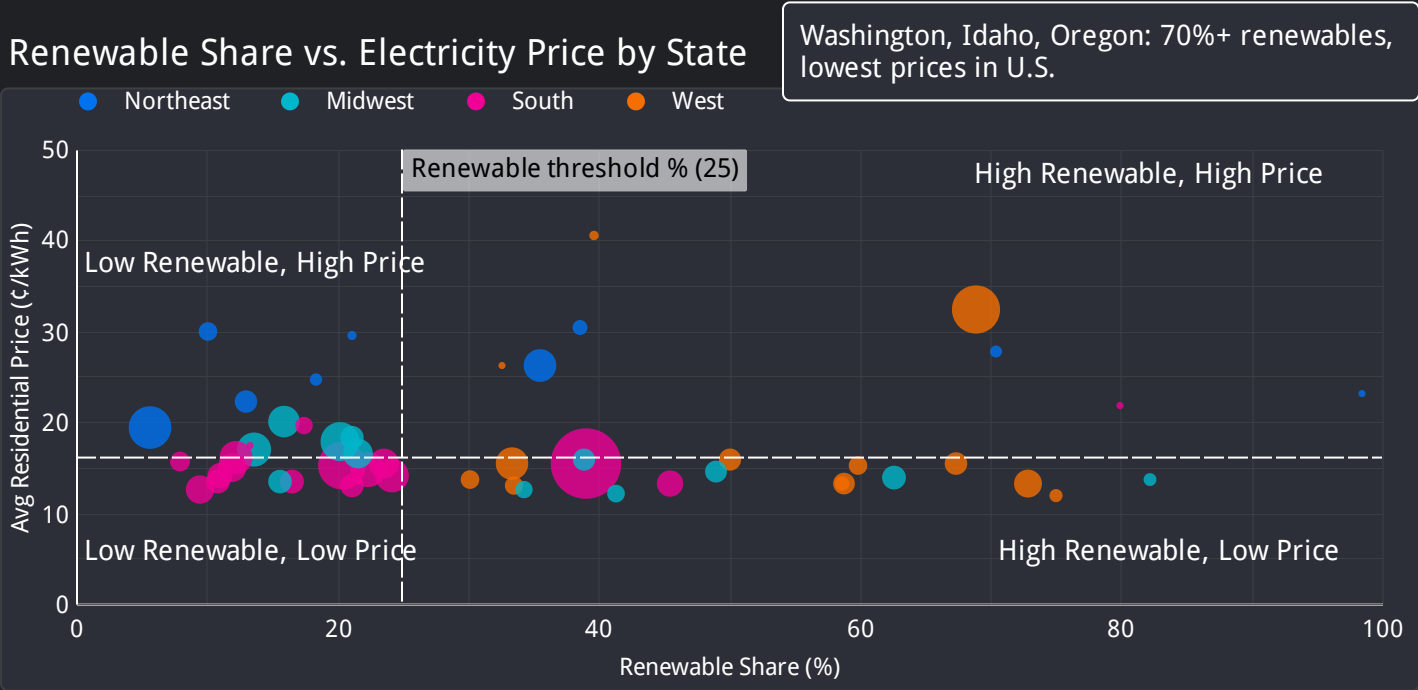
Highest Price State (¢/kWh)

Hawaii

Electricity Price by Sector Over Time (¢/kWh) — 2019–2025



Renewable Share vs. Electricity Price by State



Top 10 Most Expensive States (¢/kWh)

