U.S. Power Generation Overview

Select Year Range

2001

2025

Region

Select all Midwest

National

Northeast

South West

Total Generation

429.69M MWh

% From renewables

10.84%

NatGas CAGR (%)

1.99%

Coal → Renewables Crossover Year

2018

Fuel Group

Select all

Coal

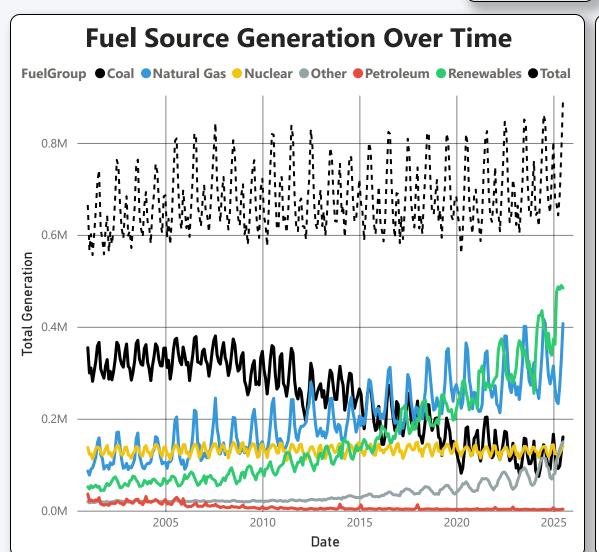
Natural Gas

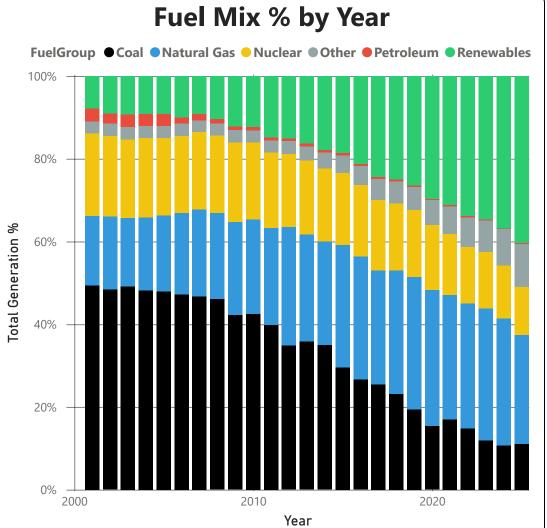
Nuclear

Other

Petroleum

Renewables





Fuel Source Trends and Year-over-Year Comparison

Select Year Range

2001

2025

Region

Midwest Select all

National

Northeast

South

West

Total Generation

429.69M MWh

NatGas CAGR (%)

1.99%

Fuel Group

Select all

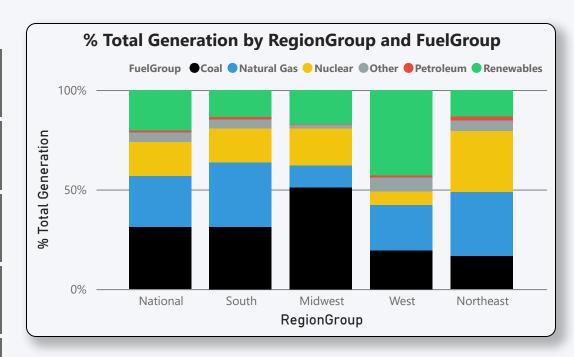
Coal

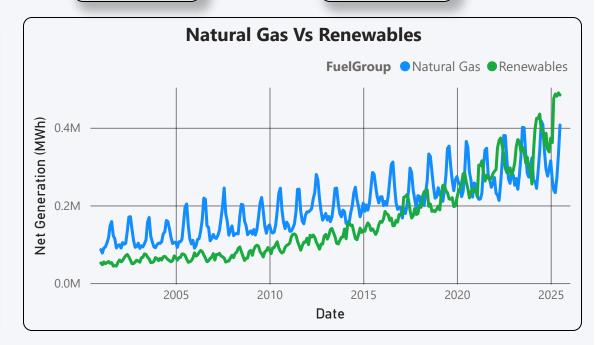
Natural Gas

Nuclear Other

Petroleum

Renewables





Year-over-Year Generation Change

FuelGroup	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Coal	49.36%	48.43%	49.13%	48.15%	47.94%	47.20%	46.69%	46.15%	42.29%	42.45%	39.79%	34.91%	35.87%	34.92%	29.62%	26.57%
Natural Gas	16.80%	17.60%	16.56%	17.65%	18.44%	19.69%	21.07%	20.79%	22.44%	22.96%	23.54%	28.54%	25.81%	25.14%	29.52%	29.85%
Nuclear	19.93%	19.54%	19.01%	19.19%	18.63%	18.67%	18.67%	18.74%	19.24%	18.54%	18.14%	17.74%	17.90%	17.60%	17.46%	17.28%
Other	2.89%	3.03%	3.03%	2.98%	2.92%	2.93%	2.88%	2.87%	2.96%	2.93%	3.01%	3.17%	3.48%	3.90%	4.18%	4.53%
Petroleum	3.24%	2.37%	2.97%	2.95%	2.91%	1.52%	1.52%	1.07%	0.94%	0.85%	0.69%	0.53%	0.62%	0.67%	0.62%	0.52%
Renewables	7.79%	9.04%	9.29%	9.08%	9.16%	9.99%	9.17%	10.38%	12.13%	12.27%	14.83%	15.10%	16.31%	17.78%	18.59%	21.25%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%



Regional Energy Mix by Census Region

2001

2025



Select all Midwest

Northeast

South

West

Top Fuel Region
South (95.9 MWh)

Top Renewables Region West (24.1%)

Top Coal Region
Midwest (26.8%)

Fuel Group

Select all

Coal

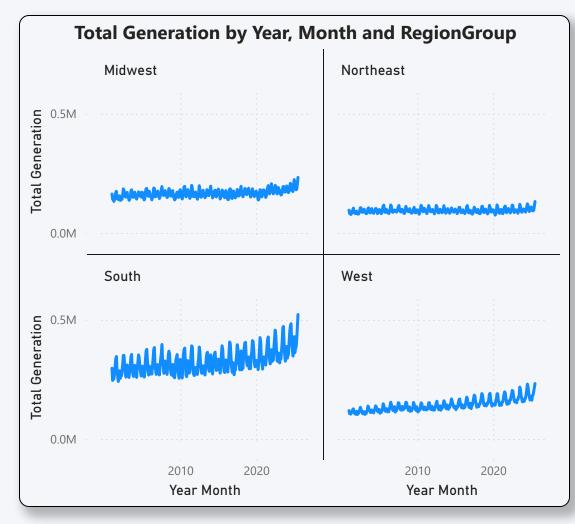
Natural Gas

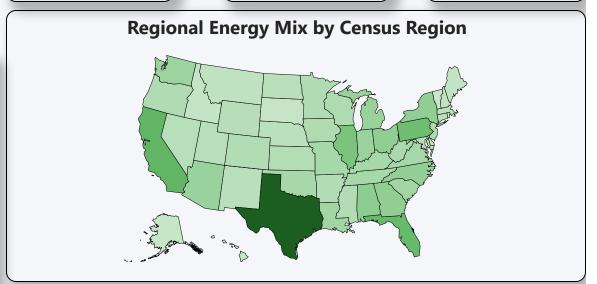
Nuclear

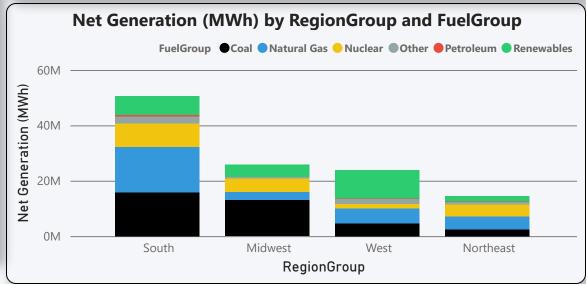
Other

Petroleum

Renewables







Summary and Recommendation

Select Year Range

2001

2025

Region

Select all Midwest

National

Northeast

South

West

Total Generation

429.69M MWh

% From renewables

10.84%

NatGas CAGR (%)

1.99%

Fuel Group

Select all

Coal

Natural Gas

Nuclear

Other

Petroleum

Renewables

National Generation Trends (2001–2025)

Total Generation: 429.69M MWh

*Renewables Share: 10.84% (2025)

*Natural Gas CAGR: 1.99%

*Coal vs. Renewables Crossover: Occurred in 2018, marking a significant shift in fuel dominance.

Fuel Mix Evolution

*Coal: Declined from 49.35% (2001) to 26.57% (2016)

*Natural Gas: Rose from 16.80% to 29.85% in the same period

*Renewables: Grew steadily from 7.79% to 21.25%

*Petroleum: Fell sharply to under 1%

*Nuclear: Stable but slightly declining (~19% to ~17%)

Regional Highlights

*Top Generation Region: South (58.84M MWh)

*Top Renewables Region: West (18.2% of mix)

*Top Coal Region: Midwest (32.5% of mix)

Fuel Source Comparison

*Renewables have surpassed coal nationally.

*Natural gas remains dominant but is plateauing.

· Regional disparities in fuel reliance suggest differing policy and infrastructure maturity