

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

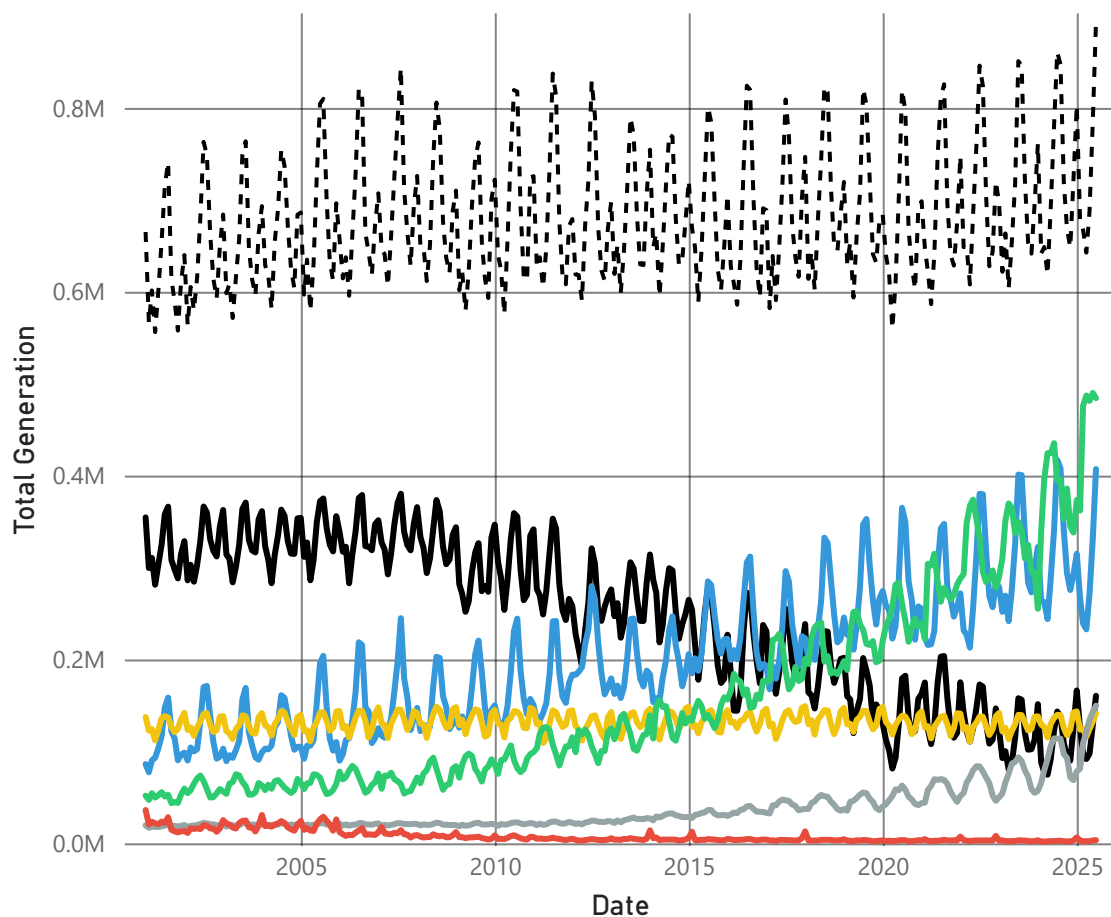
Other

Petroleum

Renewables

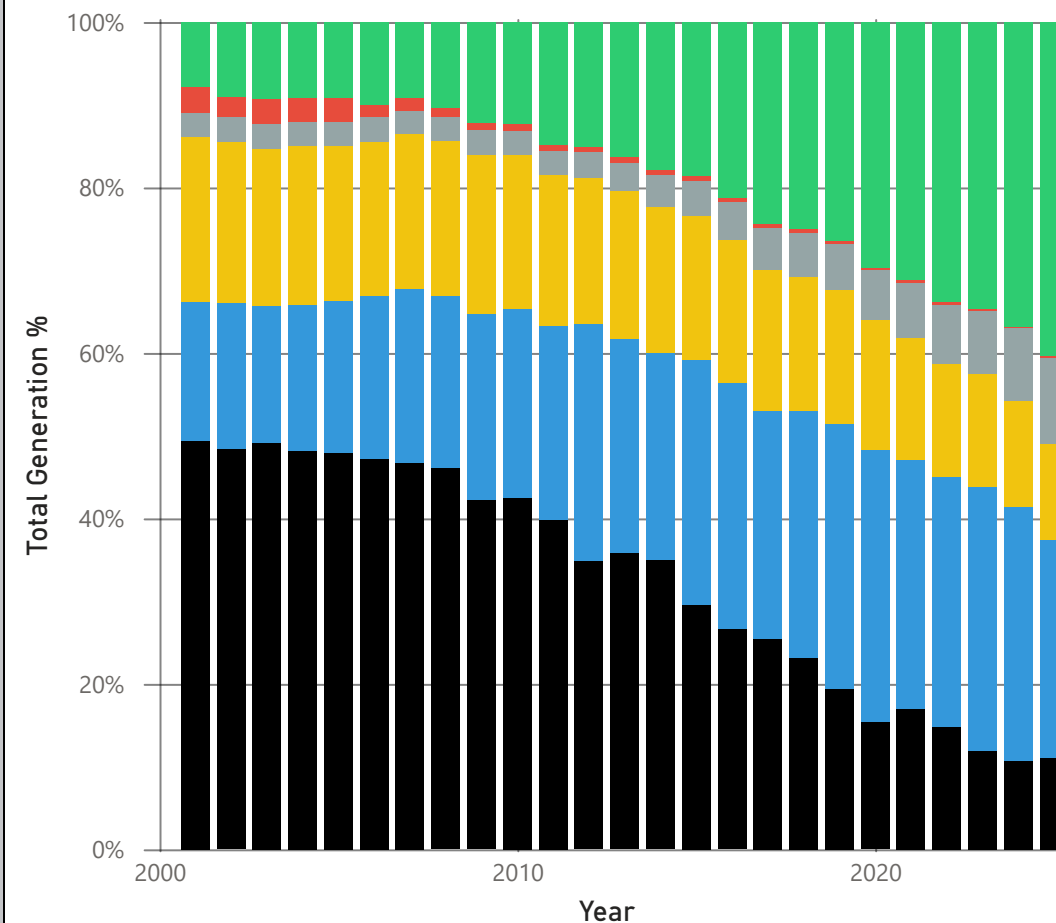
Fuel Source Generation Over Time

FuelGroup ● Coal ● Natural Gas ● Nuclear ● Other ● Petroleum ● Renewables ● Total



Fuel Mix % by Year

FuelGroup ● Coal ● Natural Gas ● Nuclear ● Other ● Petroleum ● Renewables



Region

Select all

Midwest

National

Northeast

South

West

Total Generation

429.69M MWh

NatGas CAGR (%)

1.99%

Fuel Group

Select all

Coal

Natural Gas

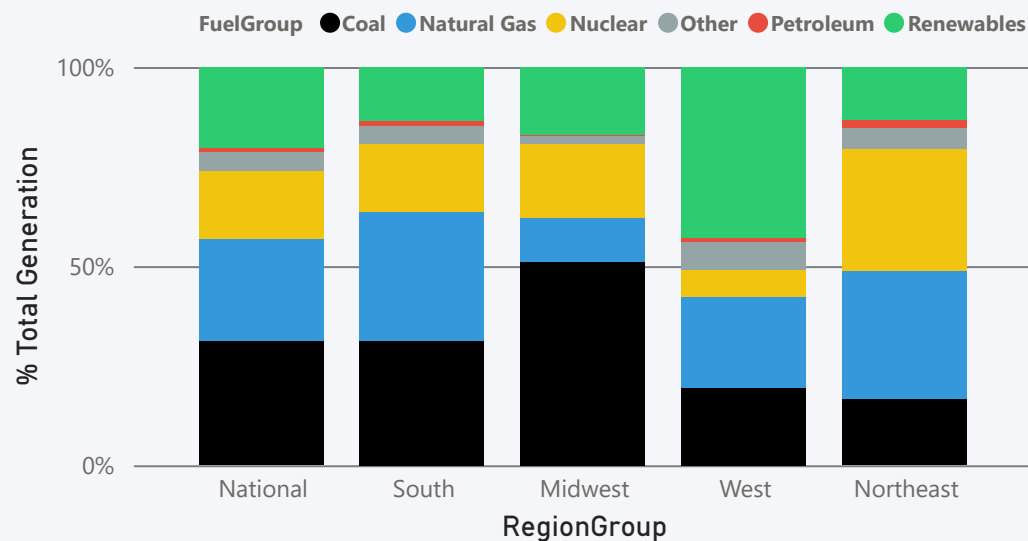
Nuclear

Other

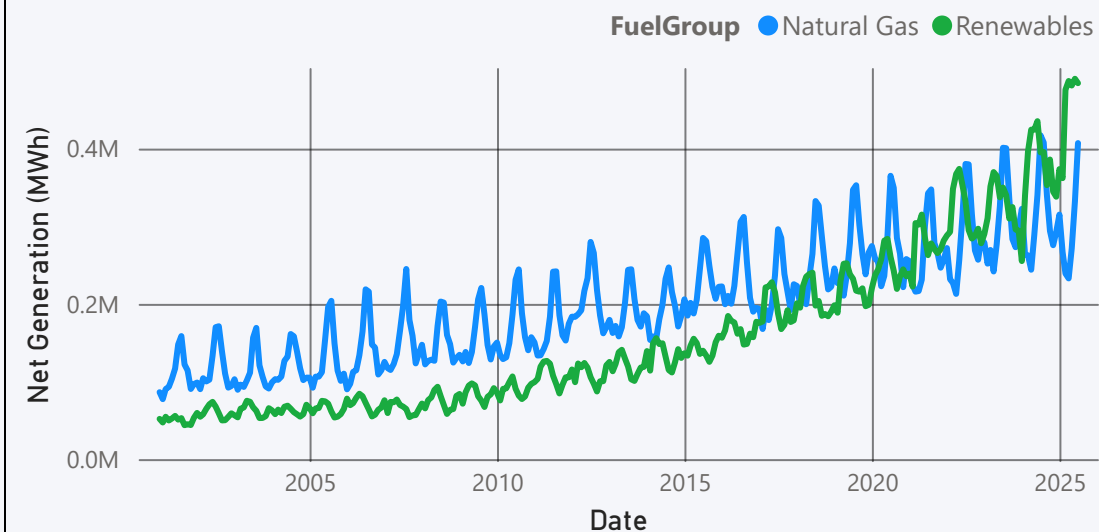
Petroleum

Renewables

% Total Generation by RegionGroup and FuelGroup



Natural Gas Vs Renewables



Year-over-Year Generation Change

[illegible]

Region

Select all

Midwest

Northeast

South

West

Fuel Group

Select all

Coal

Natural Gas

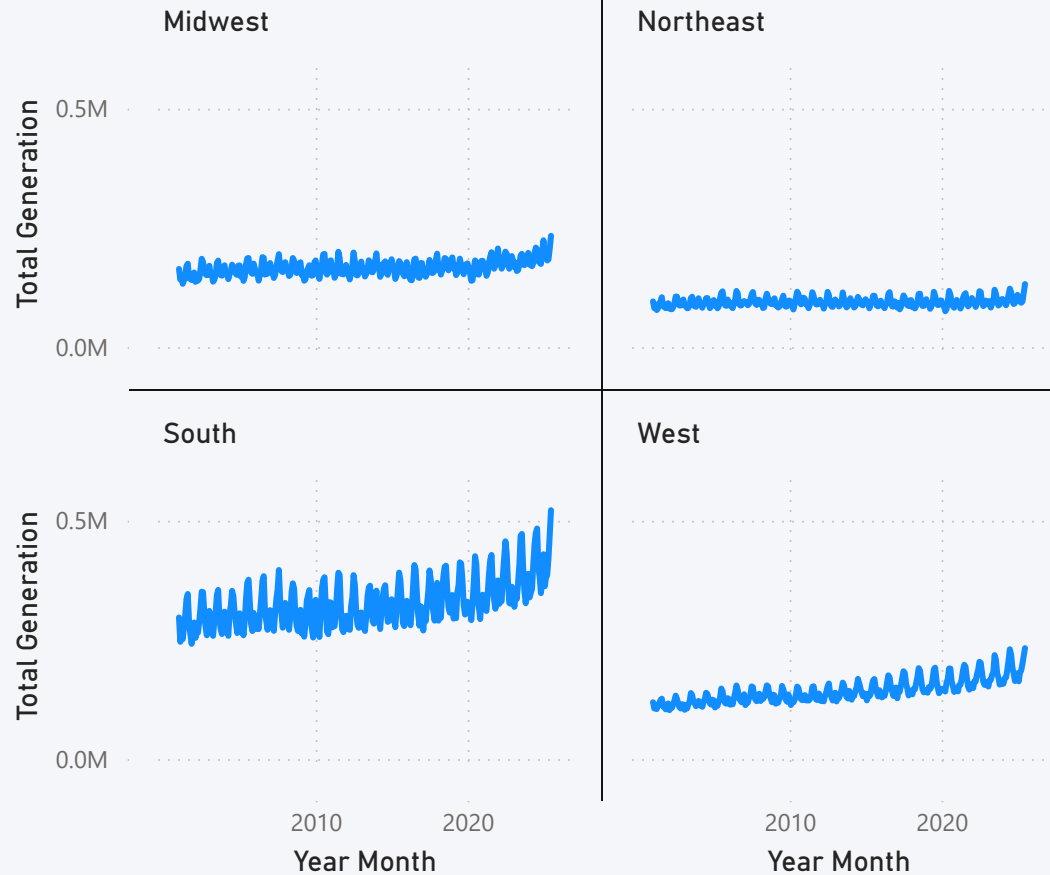
Nuclear

Other

Petroleum

Renewables

Total Generation by Year, Month and RegionGroup

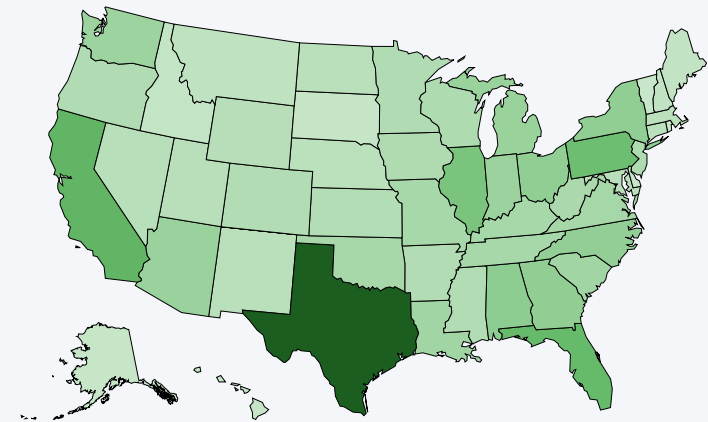


Top Fuel Region
South (95.9 MWh)

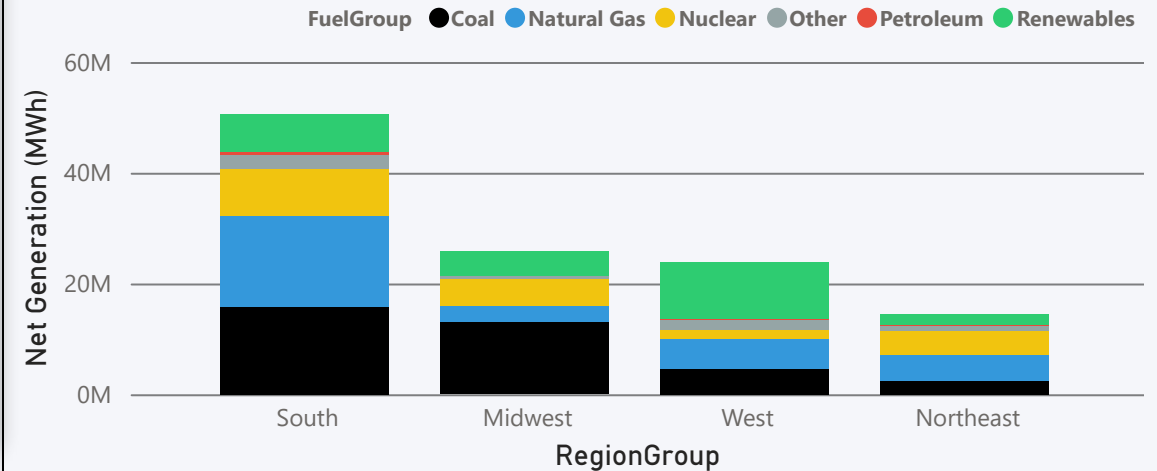
Top Renewables Region
West (24.1%)

Top Coal Region
Midwest (26.8%)

Regional Energy Mix by Census Region



Net Generation (MWh) by RegionGroup and FuelGroup



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