

# **U.S. Power Generation Overview**

2001

2025

Region

Midwest **National**  **Northeast** 

South

West

**Total Generation** 

644.52M MWh

% From renewables

10.84%

NatGas CAGR (%)

1.99%

**Coal** → Renewables **Crossover Year** 2018

### **Fuel Group**

Select all

Select all

Coal

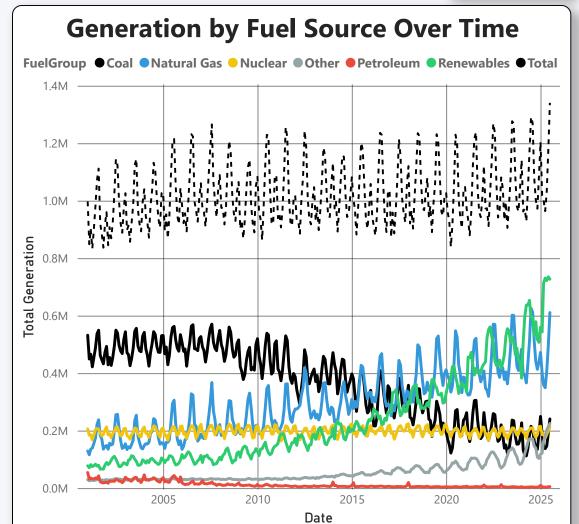
**Natural Gas** 

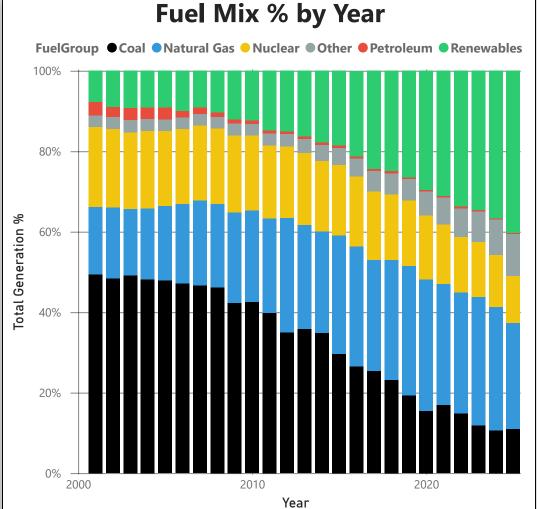
Nuclear

Other

**Petroleum** 

Renewables





# **Fuel Source Trends and Year-over-Year Comparison**

**Select Year Range** 

2001

2025

## Region

Select all Midwest

National

Northeast

South

West

**Total Generation** 

644.52M MWh

NatGas CAGR (%)

1.99%

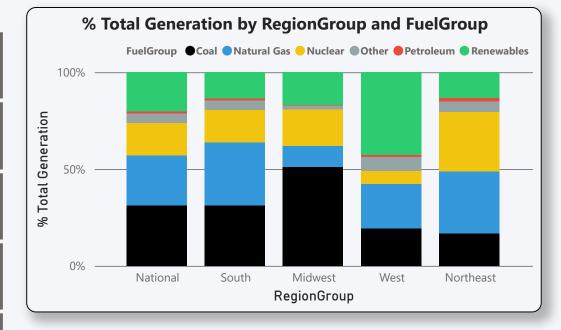
## **Fuel Group**

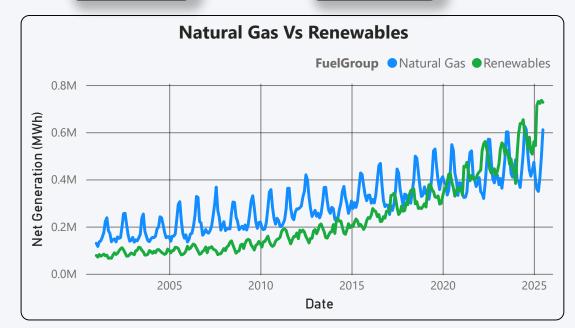
Select all

Coal

Natural Gas

Nuclear





Other

Petroleum

Renewables

# **Year-over-Year Generation Change**

Petroleum 3.2	24% 79%	2.37% 9.03%	2.97% 9.29%	2.95% 9.08%	2.91% 9.16%	1.52% 9.99%	1.52% 9.17%	1.07% 10.38%	2.96% 0.94% 12.13%	2.94% 0.85% 12.31%	3.01% 0.69% 14.83%	3.17% 0.53% 15.10%	3.48% 0.62% 16.31%	3.90% 0.67% 17.78%	4.18% 0.62% 18.59%	
																4.53% 0.52%
Other 2.8	05/0	3.0370	3.0370	2.3070	2.32/0	2.5570	2.00/0	2.07%	2.96%	2.94%	3.01%	3.17%	5.46%	3.90%	4.18%	4.53%
	89%	3.03%	3.03%	2.98%	2.92%	2.93%	2.88%	2.87%	2.000/	2 0 40/	2.010/	2 170/	2 400/	2.000/	4.100/	4.530/
Nuclear 19.9	93%	19.54%	19.01%	19.19%	18.62%	18.66%	18.67%	18.74%	19.24%	18.60%	18.14%	17.74%	17.90%	17.60%	17.46%	17.28%
Natural Gas 16.8	80%	17.60%	16.56%	17.65%	18.44%	19.69%	21.07%	20.79%	22.44%	22.73%	23.54%	28.54%	25.81%	25.14%	29.52%	29.85%
Coal 49.	35%	48.43%	49.13%	48.15%	47.94%	47.20%	46.68%	46.15%	42.29%	42.57%	39.79%	34.91%	35.87%	34.92%	29.62%	26.57%
FuelGroup 2001	2	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016

# **Regional Energy Mix by Census Region**

**Select Year Range** 

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

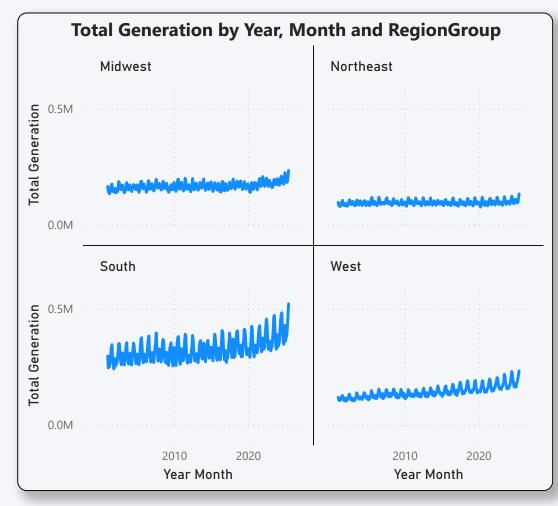
Natural Gas

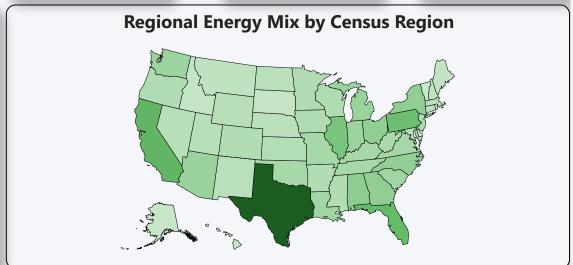
Nuclear

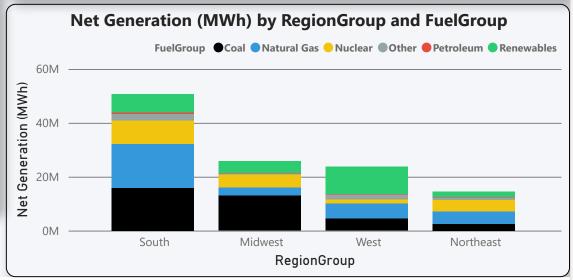
Other

Petroleum

Renewables









# **Summary and Recommendation**

Select Year Range
2001 2025

### Region

Select all Midwest Northeast South West

Total Generation
214.83M MWh

% From renewables 10.84%

NatGas CAGR (%)

#### **Fuel Group**

Select all

Coal

Natural Gas

Nuclear

Other

Petroleum

Renewables

### **National Generation Trends (2001–2025)**

\*Total Generation: 644.52M 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 (95.9M MWh)

\*Top Renewables Region: West (24.1% of mix)

**Top Coal Region**: Midwest (26.8% 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