4 New York State's Rank Compared to National and Regional Energy Profiles

4.1 Energy Consumption Comparisons

The regional comparisons presented in the following sections focus on specific fuel and energy types to provide a broad perspective on essential fuels for the Northeast and Mid-Atlantic regions. These comparisons rely on EIA SEDS datasets while offering a focused comparison point for New York State compared to two regional groupings. The first group of states represent neighboring states directly neighboring New York State:

- Connecticut
- Massachusetts
- Pennsylvania
- New Jersey
- Vermont
- New York State

The second group of states are the regional Petroleum Administration for Defense District (PADD) 1B: Central Atlantic States, which includes:

- Delaware
- District of Columbia
- Maryland
- New Jersey
- New York State
- Pennsylvania

NYSERDA incorporates multiple sources in the evaluation presented in Section 3 of the NYS energy profile in addition to the EIA datasets. However, because these sources do not provide information on other states, for the comparative purposes of this section, NYSERDA defers to the EIA estimates to maintain consistent data handling across all states. Although the outcomes are similar, there are slight differences between the evaluations from NYSERDA and EIA.

4.1.1 National Consumption Comparison

Table 3 summarizes the New York State's rank for various fuel and energy types.

Table 3. New York State National Ranking for Select Energy and Fuels Consumption

Source: EIA 20204.

Energy/Fuel Type	NYS Ranking	Top Consuming State
Total Energy Consumption	8	TX
Coal	41	TX
Natural Gas	7	TX
Petroleum	5	TX
Nuclear	13	IL
Renewable Energy	7	CA

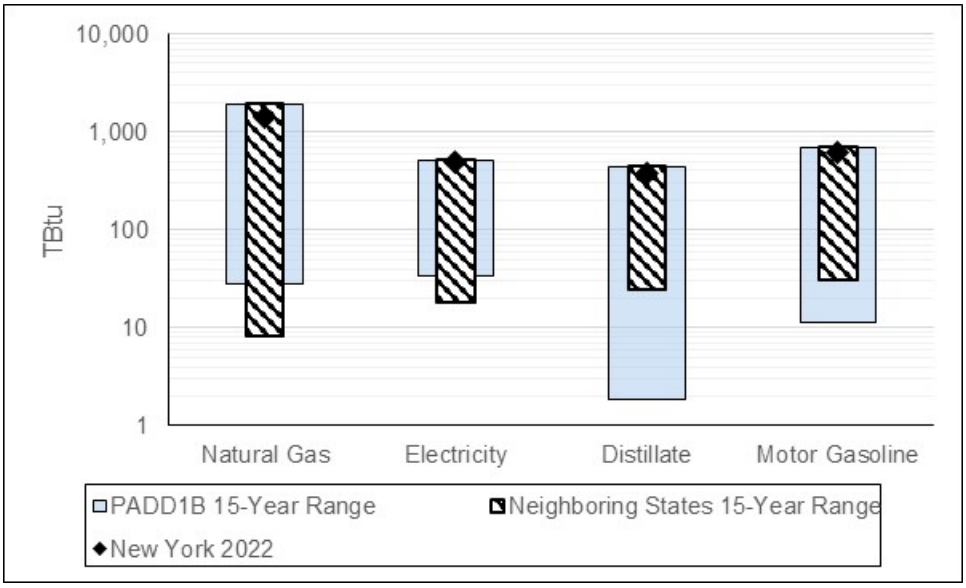
4.1.2 Regional Consumption Comparison

While state-by-state consumption estimates provide valuable insights, understanding the regional component of fuels and energy consumption remains essential due to broadly similar supply chains.

Figure 5 presents 15-year annual summaries for select fuels across PADD1B, and for states neighboring New York State. New York State typically ranks among the highest consumers of these select fuels for both regions. In 2022, New York State was the greatest consumer of distillate and motor gasoline in the region. For natural gas and electricity, Pennsylvania was the greatest consumer with New York State a close second.

Figure 5. Regional Consumption Summaries for Select Fuels

Source: EIA 20204.



Each fuel type presented reflects a total for the state, including all sectors combined. Natural gas, distillate, and motor gasoline consumption represent estimated "comingled" consumption that includes supplemental gaseous fuel, biodiesel or renewable diesel, and ethanol, respectively.

Despite the quantitative differences in consumption, these regional and neighboring states connect through similar supply chains that could be influenced by weather events or other disruptions, prompting regional impacts across borders.

4.2 Energy Prices Comparisons

Fuels and energy prices are influenced by numerous factors across various scales. Global and regional current events, down to local conditions, affect price and demand levels. For a multistate perspective, the EIA evaluation provides a consolidated dataset with consistent data handling to showcase annual price points. Due to price variability, evaluating specific fuels for specific locations at defined times is strongly recommended. The annual profile presented in this report serves as an indicator for price trends in energy and fuels.

New York State ranks 13th nationally with a Total Energy price of $29.12 per MMBtu (EIA 2024). Table 4 presents a summary of total energy prices for New York State's neighboring and regional states.

Table 4. Summary of Total Energy Prices for New York State's Neighboring and Regional States

Source: EIA 2014.

State	National Rank	Total Energy Price ($/MMBtu)
Connecticut	4	33.33
Massachusetts	5	32.60
District of Columbia	8	30.85
Vermont	9	30.85
Maryland	10	30.00
New York	*13*	*29.12*
Delaware	15	27.74
New Jersey	17	27.15
Pennsylvania	31	25.11