



The Future of Gas

What it Means for the Electric System

Restructuring Roundtable

Dan Dolan, NEPGA President
June 13, 2025

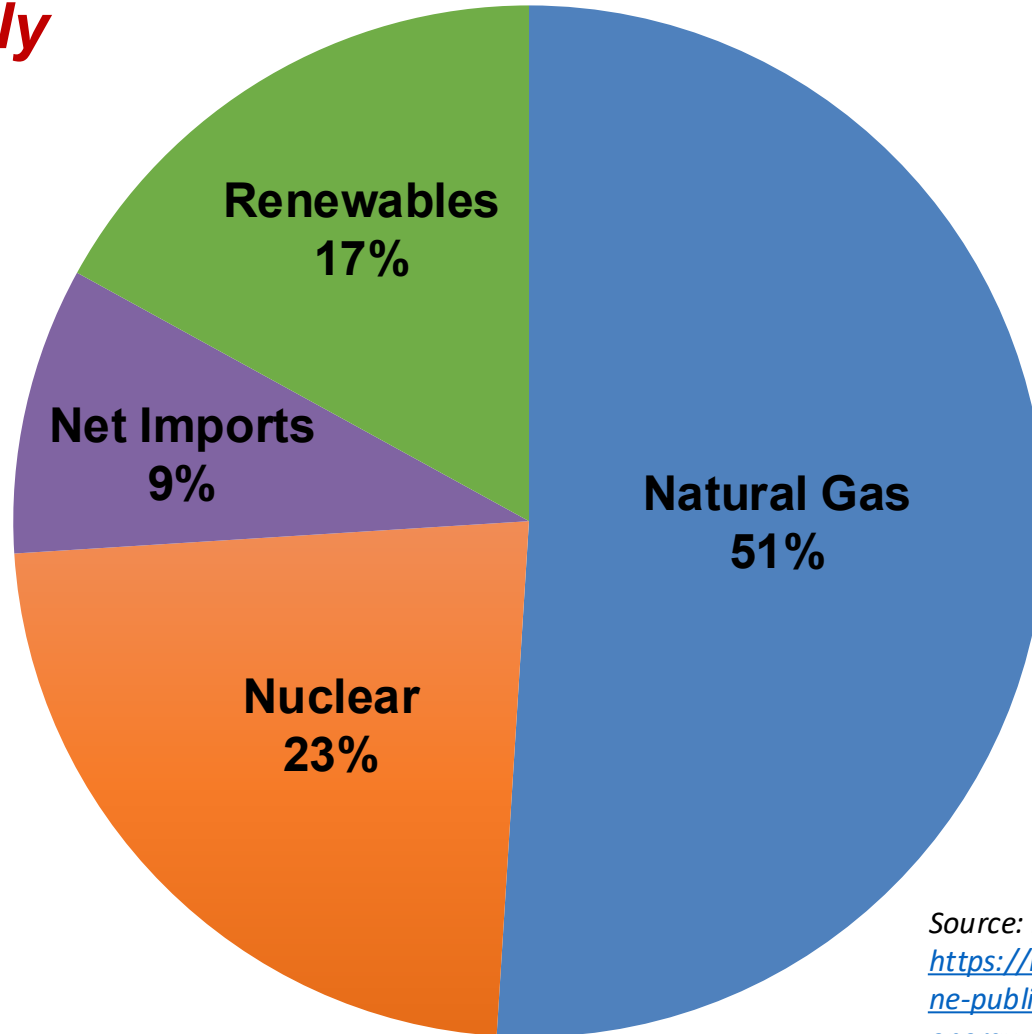
New England Power Generators Association

- **NEPGA members:**
 - **Employ** more than **4,000 people**
 - **Own** and **operate** roughly **27,000 MW** of generation
 - Represents **~95% of the installed capacity** in the region
 - A fuel and technology diverse fleet including more than **8,150 MW** of non-emitting generation
- **NEPGA is the eyes, ears, and voice of the region's power generation industry**



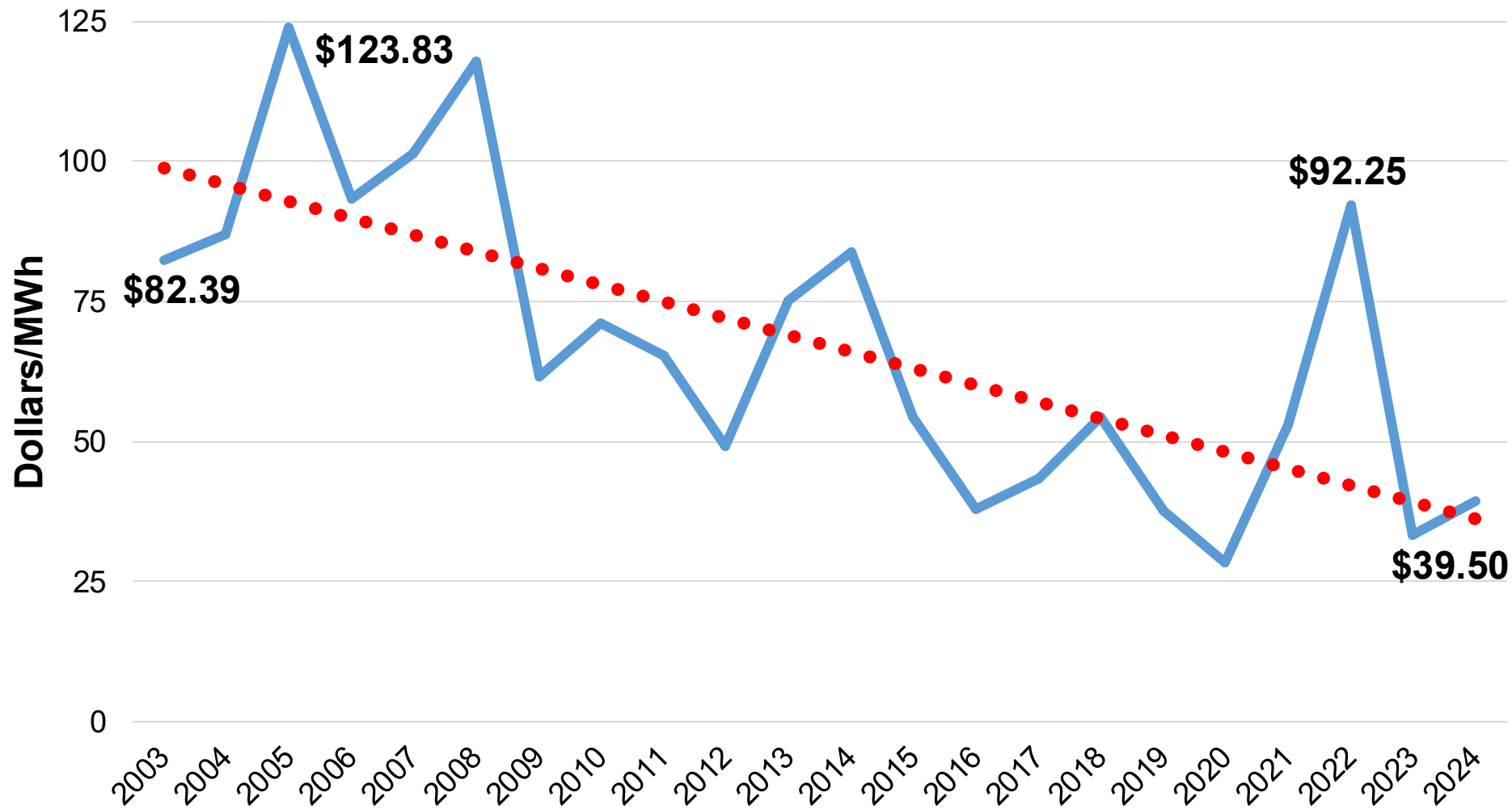
New England Electricity Fuel Mix

***Energy Supply
in 2024***



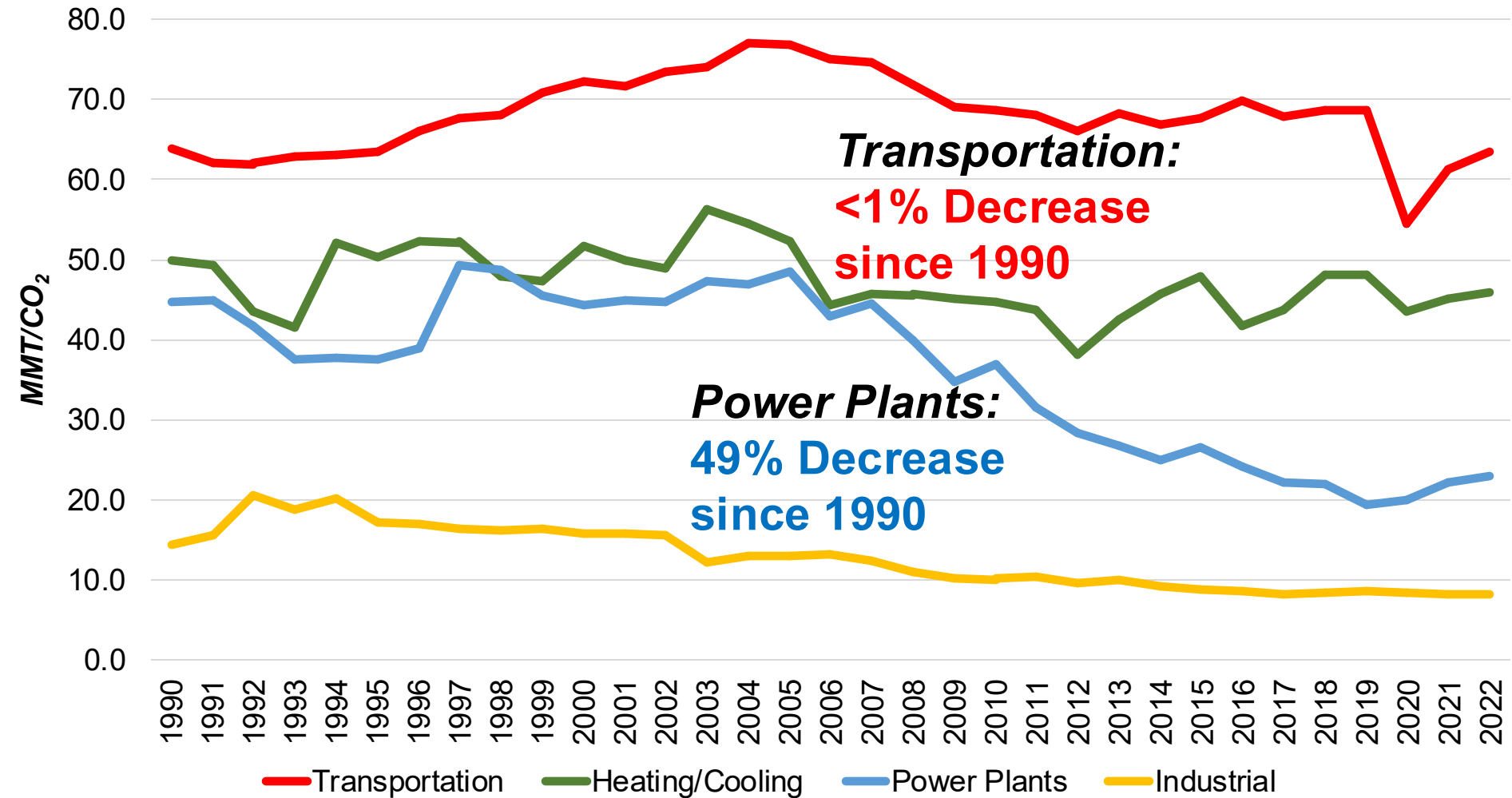
Source: ISO New England
<https://isonewswire.com/2025/01/28/iso-ne-publishes-amounts-sources-of-electric-energy-used-to-meet-demand-in-2024/>

New England Wholesale Energy Prices Since 2003



Source: <https://www.iso-ne.com/about/key-stats/markets>; Adjusted to 2024 dollars

New England Economy-Wide CO₂ Emissions Down 19% From 1990



Source: <http://www.eia.gov/environment/emissions/state/>, released October 29, 2024

A Retirement Cycle

- **Mystic Power Station (Everett, MA)**
 - 1,400 MW – Natural Gas (co-located with LNG terminal)
 - Closed on May 31, 2024
- **Schiller Station, (Portsmouth, NH)**
 - 155 MW – Oil and biomass
 - Closure in 2025
- **Merrimack Station (Bow, NH)**
 - 480 MW – Coal (last coal plant in New England)
 - Closure by mid-2028
- **Middletown Power (Middletown, CT)**
 - 750 MW – Oil
 - Closure by mid-2028

Clean Energy New Entry

- **Offshore Wind Wave Stalled in New England**

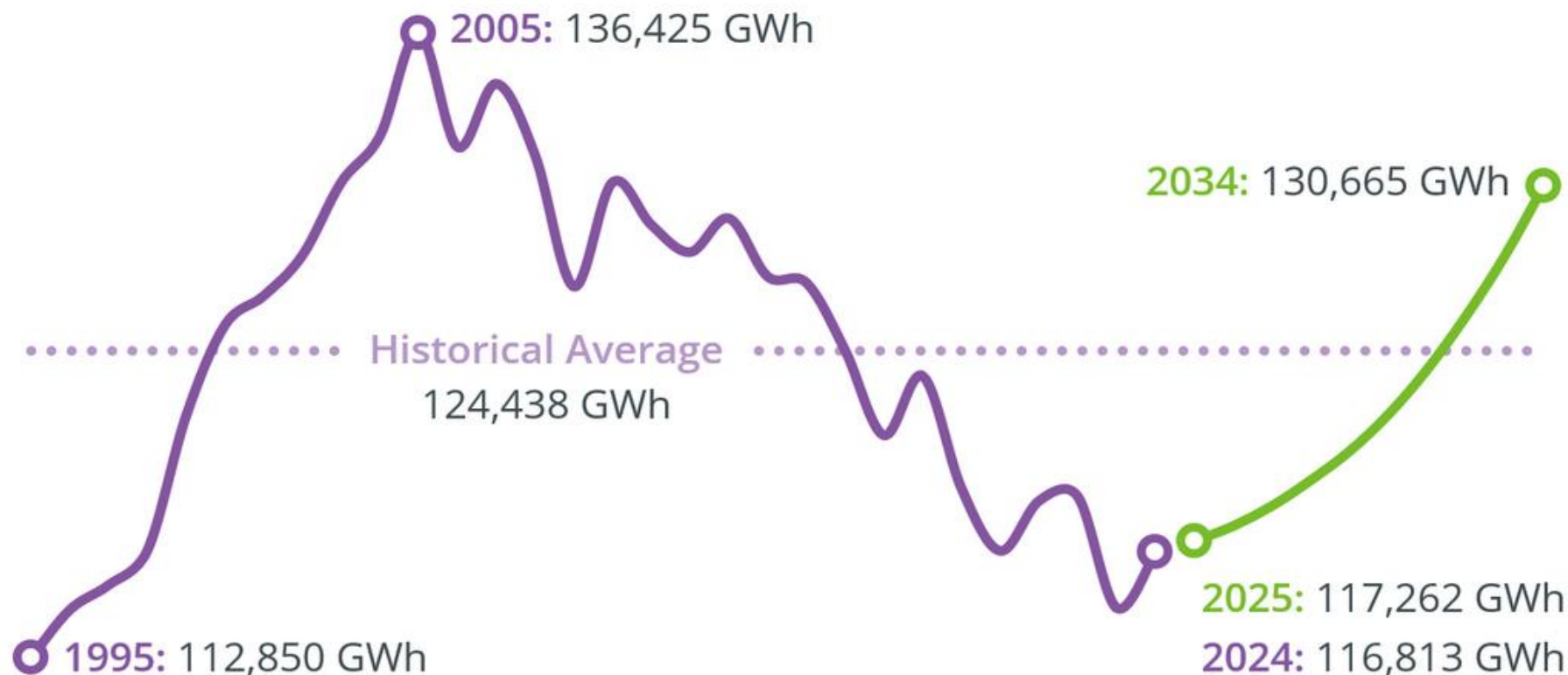
- Nearly 10,000 MW of offshore wind contracts are authorized across New England states. *But, timeline/prospects are uncertain.*
 - MA & RI recently selected ~3,000 MW – contracts under negotiation (still).
- 1,500 MW expected to be commercial soon.
 - Vineyard Wind (MA) & Revolution Wind (RI & CT).

- **Solar & More**

- Over 7,000 MW of behind-the-meter solar in New England.
- Numerous short-duration battery proposals, but few in operation.
- 1,000 MW NECEC transmission line to Quebec under construction.
- Northern Maine & LTTP to unlock Maine export constraints.

Demand is Rising As Supply is Contracting

Historical and Forecast Net Energy Use



Source: <https://isonewswire.com/2025/05/01/enhanced-long-term-forecast-predicts-steady-growth-in-energy-use-peak-demand/>, released May 1, 2025

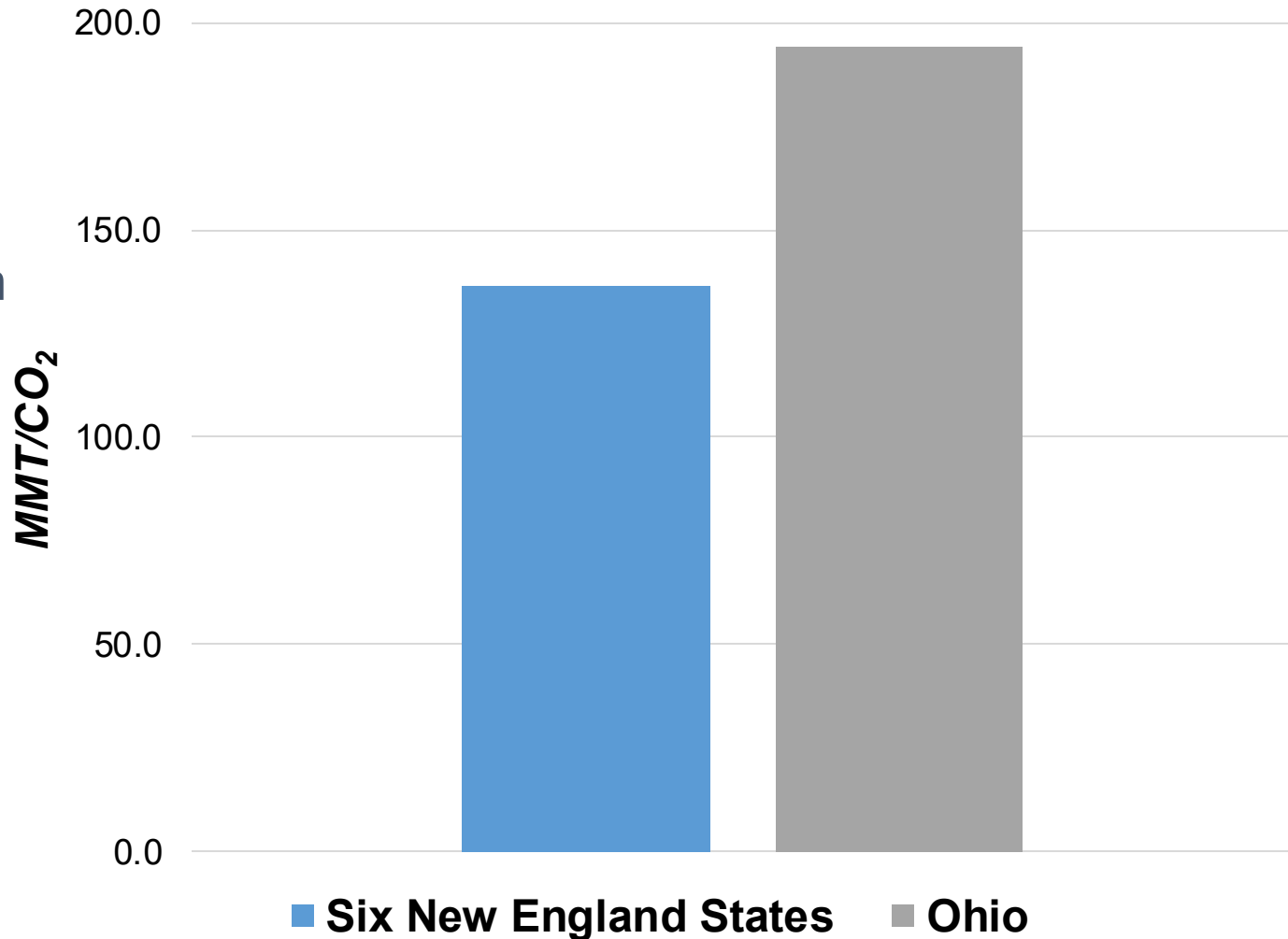
What About Gas (and Oil)?

- **Long Term: Natural Gas Will Remain Critical in New England**
 - Studies from [CT](#), [MA](#), and [more](#) show natural gas and dual fuel generation likely around for decades.
 - Most important in winter periods of low wind & sun
 - As renewables come online that capacity will run less and less.
 - But, their societal value goes up to ensure reliability.
- **Near Term: Maximize Existing & Strategically Deploy More**
 - “All of the above” to ensure supplies meet growing demand.
 - Use existing interconnections to build MWh additionality when, where, and if necessary.
 - Reliability, Affordability, & Clean

New England represents only 70% of emissions of Ohio economy-wide in 2021

New England is responsible for 2.8% of all CO₂ in the U.S.

While being home to 4.5% of the population



Source: <http://www.eia.gov/environment/emissions/state/>, released October 29, 2024



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