



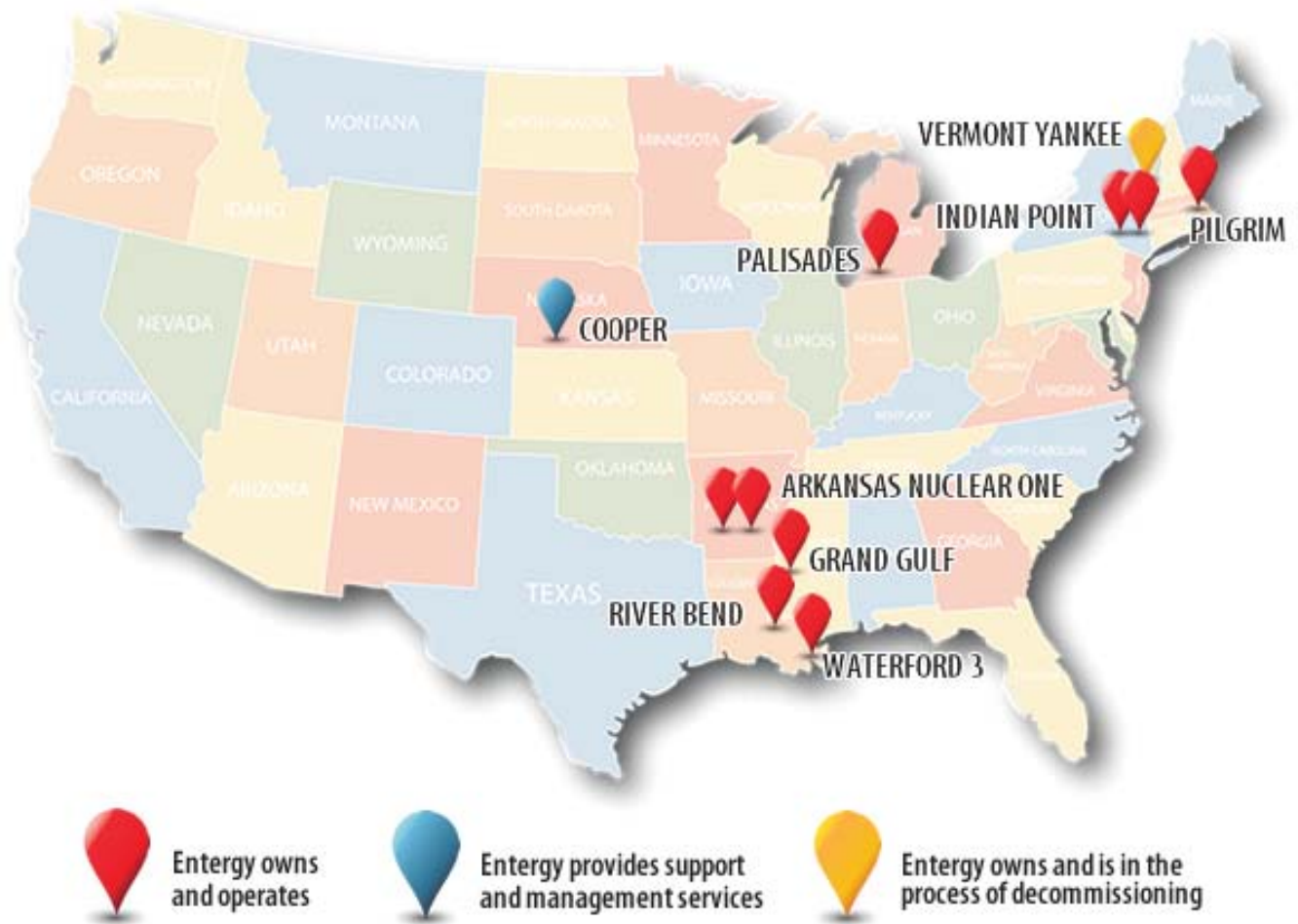
New England – Canada Business Council

Energy, Trade, and Technology Conference

T. Michael Twomey
Entergy Wholesale Commodities
November 9, 2017

Entergy Corporation – Nuclear Generating Fleet

Entergy owns, operates, supports and provides management services to a national fleet of reactors in eight locations in the United States. The company also owns Vermont Yankee, which ceased operations on December 29, 2014, and is now in the process of being decommissioned.



Nuclear Plants In Wholesale Markets Have Been Challenged By Low Power Prices

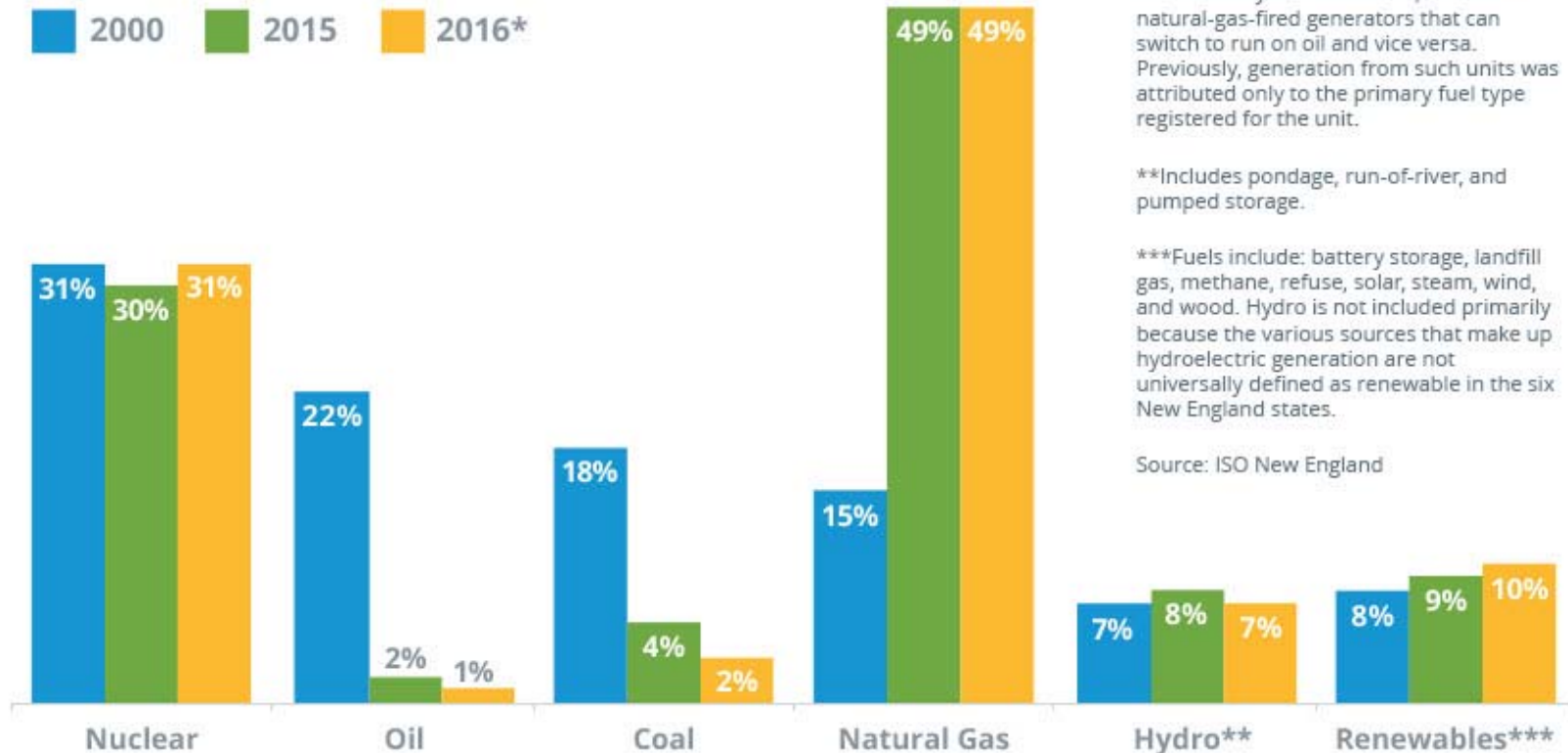
Over the last ten years, the wholesale market for electricity has dramatically changed due to persistent low natural gas prices. In most "organized" markets (New York, New England), the price for power typically follows the price for natural gas. Therefore, as the price for natural gas has plunged, wholesale power prices have also plunged to historic lows. The costs to operate nuclear plants have risen over the same period, due to a variety of factors, including increased security costs after 9/11 and modifications to enhance safety after Fukushima.



New England Electric System – Energy Production

Percent of Total Electric Energy Production by Fuel Type

2000 2015 2016*



*Data are subject to adjustments. Starting with 2015, data more closely approximate the amount of generation by individual fuels used by dual-fuel units, such as natural-gas-fired generators that can switch to run on oil and vice versa. Previously, generation from such units was attributed only to the primary fuel type registered for the unit.

**Includes pondage, run-of-river, and pumped storage.

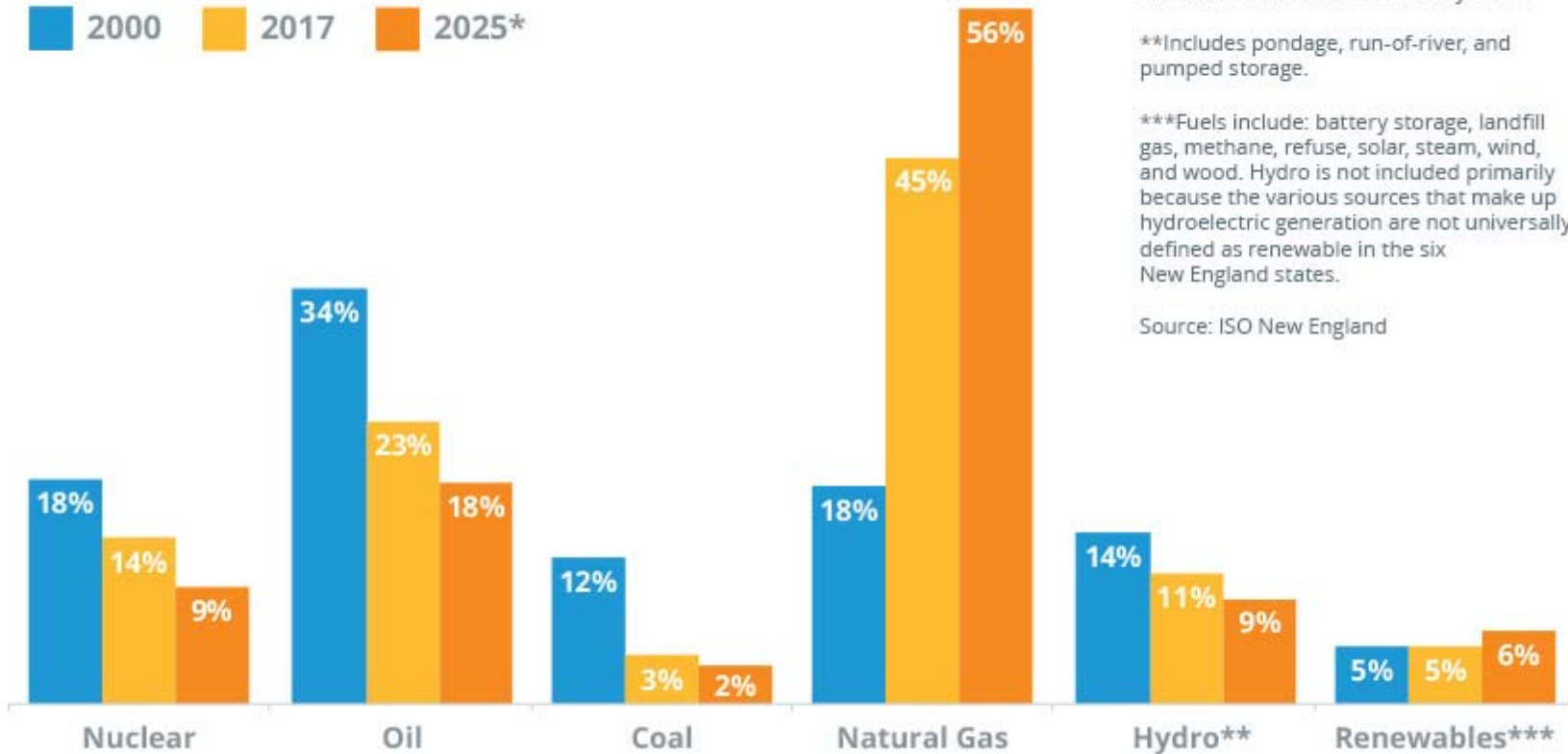
***Fuels include: battery storage, landfill gas, methane, refuse, solar, steam, wind, and wood. Hydro is not included primarily because the various sources that make up hydroelectric generation are not universally defined as renewable in the six New England states.

Source: ISO New England

“The region’s reliance on the natural gas fuel-delivery system, however, exposes the regional electric power system to potential reliability problems and an associated increased cost of electricity when natural gas prices are high. This is the result of limited gas pipeline capacity in New England . . .” ISO-NE Regional Energy Outlook (Nov. 2, 2017) at p. 8.

New England Electric System – Installed Capacity

Percent of Total System Capacity by Fuel Type



*Projected resources in 2025 assume new resources proposed in the ISO Queue and non-price retirement requests for coal, oil, and nuclear resources as of early 2017.

**Includes pondage, run-of-river, and pumped storage.

***Fuels include: battery storage, landfill gas, methane, refuse, solar, steam, wind, and wood. Hydro is not included primarily because the various sources that make up hydroelectric generation are not universally defined as renewable in the six New England states.

Source: ISO New England

“Renewable resources play a valuable, but limited, role in offsetting natural gas consumption because they may not be available during extreme weather conditions or be able to respond to emergencies on the system.” ISO-NE Regional Energy Outlook (Nov. 2, 2017) at p. 8.