



**Acadia  
Center**

Advancing the Clean Energy Future

# Modernizing our Electric Grid

Connecticut League of Conservation Voters 2021 Summit  
January 19, 2021

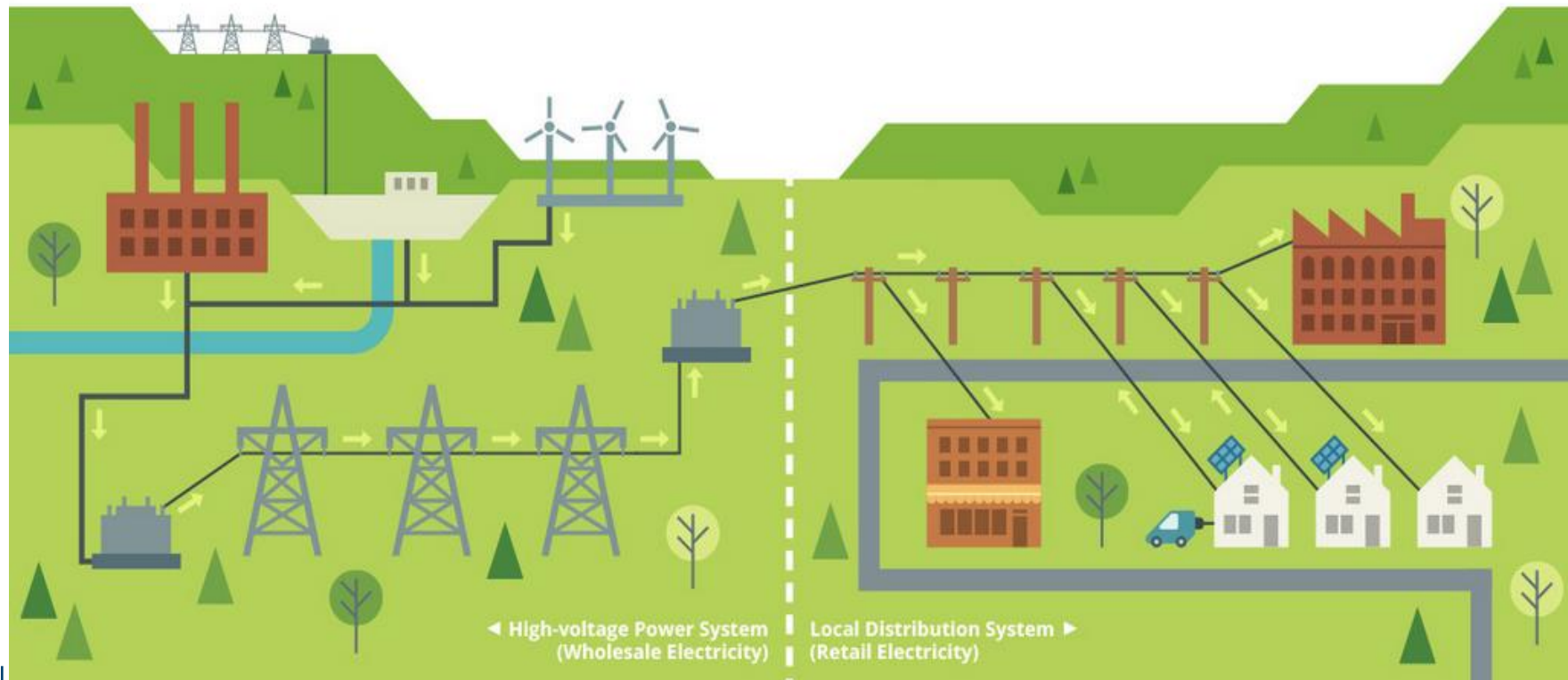
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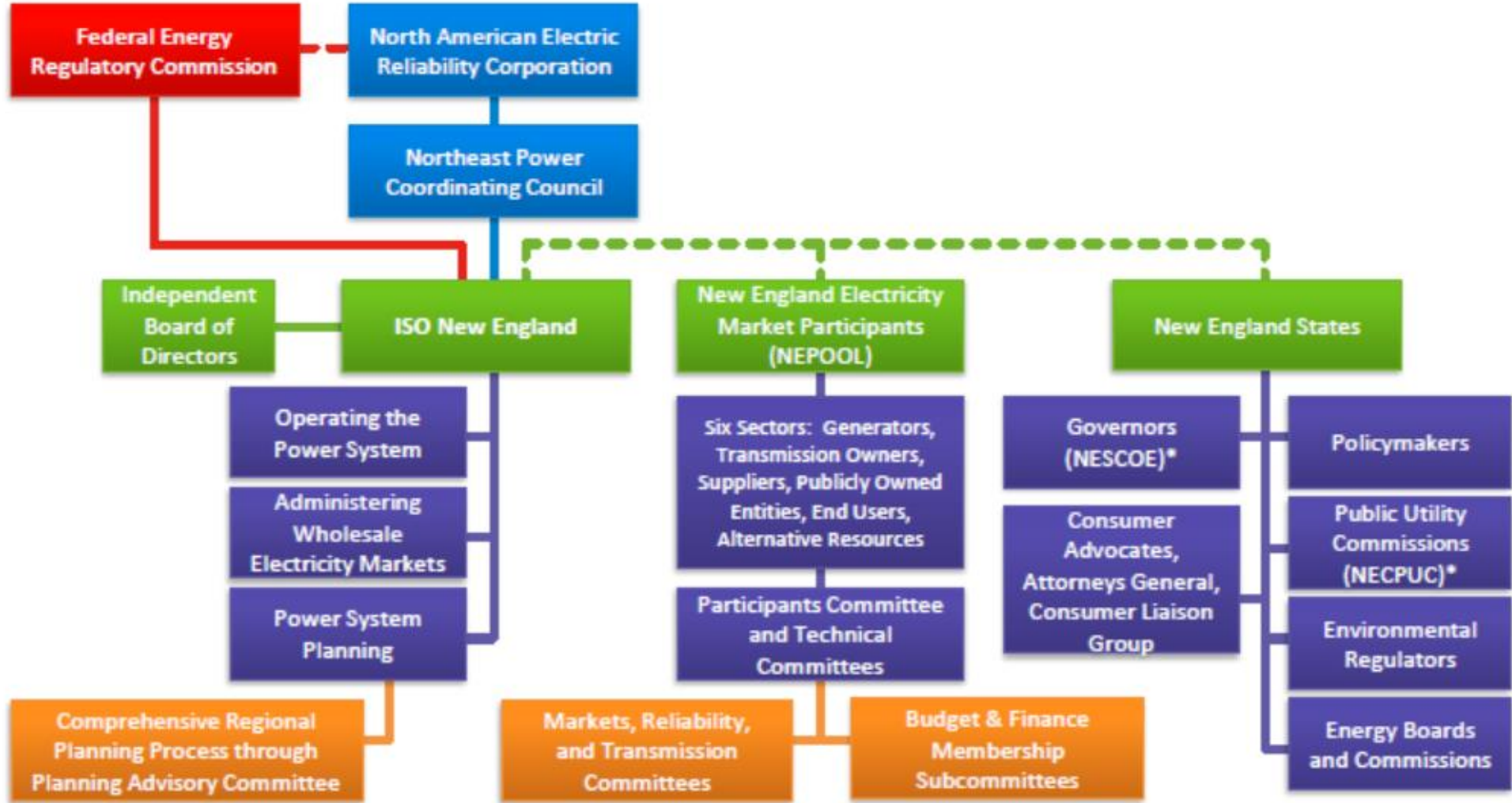
# What is the Regional Electricity Grid?

How electricity is produced, transported, and delivered to consumers





# Bureaucracy Alphabet Soup: FERC, ISO-NE, NEPOOL

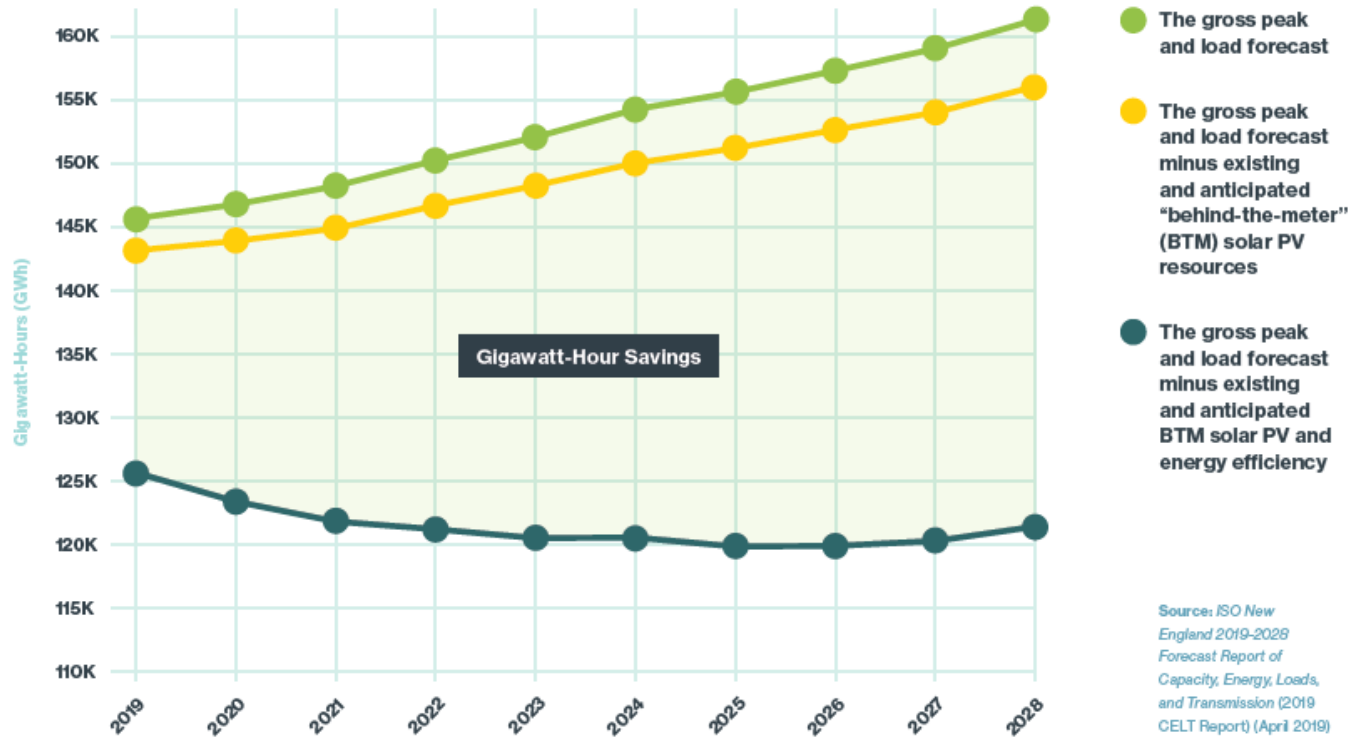




# Efficiency and Distributed Generation – A Success Story

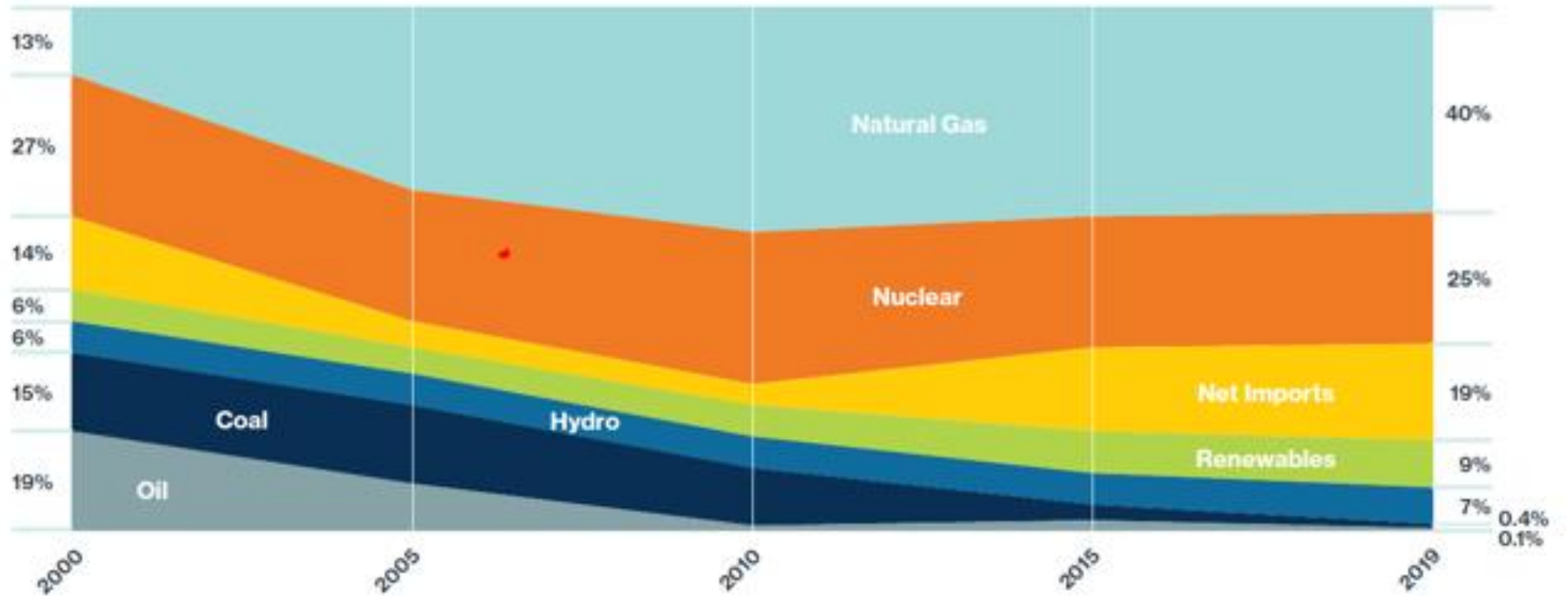
## Energy Efficiency and Behind-the-Meter Solar Are Forecasted to Significantly Reduce Grid Electricity Use Over the Next 10 Years

Projected Annual Energy Use (GWh) With and Without EE and PV Savings



Source: ISO New England 2019-2028 Forecast Report of Capacity, Energy, Loads, and Transmission (2019 CELT Report) (April 2019)

# New England Energy Mix – Mostly Gas





# NE Governors Vision Statement

- *New England States' Vision for a Clean, Affordable, and Reliable 21st Century Regional Electric Grid*



## NEW ENGLAND STATES' VISION FOR A CLEAN, AFFORDABLE, AND RELIABLE 21<sup>ST</sup> CENTURY REGIONAL ELECTRIC GRID

*October 2020* - The New England States' vision, expressed through the New England States Committee on Electricity (NESCOE),<sup>1</sup> for a clean, affordable, and reliable 21<sup>st</sup> century regional electric grid necessitates significant changes in three core segments of our shared energy system: Wholesale Electricity Market Design, Transmission System Planning, and ISO New England (ISO-NE) Governance.<sup>2</sup> The New England States will initiate a public process, supported by NESCOE, to inform the development of any proposals related to the Vision set forth below.

### 1. Wholesale Electricity Market Design

New England's existing wholesale electricity markets must modernize if they are to support achievement of clean energy laws, while maintaining system reliability and fostering more affordable electricity for regional consumers. The existing market structure is not fully compatible with certain state laws and mandates regarding resource adequacy and actions taken (e.g., long-



# Additional Resources

- To learn more about the issues
  - See also the Fix the Grid handout in your packet
  - [New England States Vision Statement](#)
  - Fix the Grid Campaign
    - Contact Shaina Casper of Community Action Works: [shaina@communityactionworks.org](mailto:shaina@communityactionworks.org)
    - “Fix the Grid 101” session accessed [online here](#). Access Passcode: Ncc?7.QH
  - [Massachusetts Attorney General’s resource page on the Region’s Electricity System.](#)
    - [primers about the electricity system](#)
    - brief [informational videos](#)
    - [December 2020 “Teach-in”](#)
  - [New England Energy Vision](#): the six New England states’ technical forums and a central repository for documents and communications



# Acadia Center's Advocacy on Regional Grid Issues

- Regional advocacy organization working at the intersections of energy and climate change:
  - Power generation, consumer-side energy resources, transportation, and buildings
- An equitable, clean energy future must include full recognition that the infrastructure our society has built overwhelmingly impact people of color and low-income communities
- Coalition partner with consumer and clean energy advocates in the Regional Grid stakeholder process as member of the NEPOOL governance body
- Supporting policies that advance clean energy and climate goals
- Fighting poorly designed and biased policies that favor fossil generators
- Raising awareness of the need to reform the outdated and biased system
- Aligning the regional electricity grid with climate goals and consumer and clean energy benefits
- Participating in key governance committees and the Consumer Liaison Group Coordinating Committee
- Contributing to dialogues with ISO-NE leadership