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WHO IS NEI?

• Industry policy organization in place since 1953 (Atomic Industrial Forum)

• Formed in 1994 by merger of:
  
  o American Nuclear Energy Council (legislative)
  o U.S. Council on Energy Awareness (communications)
  o Nuclear Utility Management and Resources Council (regulatory)
  o Nuclear Division of the Edison Electric Institute
MISSION

To foster the beneficial uses of nuclear technology before Congress, the White House and executive branch agencies, federal regulators, and state policy forums; proactively communicate accurate and timely information; and provide a unified industry voice on the global importance of nuclear energy and nuclear technology.
2017 MEMBERSHIP BY CATEGORY

Utilities (44) 41.81%
Plant Designers (3) 1.00%
Large Suppliers (3) 1.00%
Suppliers (75) 25.08%
Law Firms, Financial Companies, Insurance (27) 7.36%
Associations, Government Agencies (22) 9.03%
Universities (125)
STATUS
NUCLEAR ENERGY IN THE U.S.
NUCLEAR IN THE U.S

- 99 reactors across 60 sites in 30 states
- 98,672 MWe of baseload capacity
- 805.3 billion kWh in 2016
- 92.1% capacity factor in 2016
2016 NUCLEAR ENERGY SUPPLY

19.7%

- Nuclear: 19.7%
- Natural Gas: 33.8%
- Coal: 30.4%
- Renewables: 6.9%
- Hydro: 6.4%
- Other: 2.5%
NUCLEAR INDUSTRY CONTRIBUTIONS

- **$60B** EVERY YEAR TO THE U.S. ECONOMY
- **475,000** JOBS
- **$12B** ANNUALLY IN FEDERAL AND STATE TAX REVENUES
ENERGY POLICY - GETTING IT RIGHT

• Must look at the energy mix we want in the future, act to ensure that the U.S. has that mix

• Markets and policies must value diversity, resilience, environmental protection in our electricity system – or we will lose these attributes

• Can’t let distorted market processes determine the energy mix we’ll have to live with for decades
WHAT IF WE DON’T GET IT RIGHT?
CLOSURE OF VERMONT YANKEE

ECONOMIC ACTIVITY
$493 MILLION EVERY YEAR
WHAT IF WE DON’T GET IT RIGHT?

- **Environmental impacts:**
  - Carbon emission increase in NE post-VY closure
  - Carbon emission increase in CA post-SONGS closure

- **Community impacts:**
  - Kewaunee closed 2013: Town of Carlton, Wisconsin, lost 70% of its operating budget
  - Crystal River closed: Citrus County, Florida, raised property taxes 30%
  - Palisades to close in 2018: Covert County, Michigan school system to lose half of its budget
ENERGY POLICY

STATES TAKING ACTION

• New York’s Clean Energy Standard
• Illinois’ Future Jobs Energy Bill
• Connecticut and Ohio
• Pennsylvania and New Jersey
• Others
ENERGY POLICY - STATES TAKING ACTION

- Zero Emission Credits
- Nuclear Portfolio Standards
- State-mandated PPAs
- Carbon taxes
- Tax incentives
- State acts as “caretaker”