



NUCLEAR ENERGY INSTITUTE

**Christine Csizmadia**

Director, State Government Affairs  
& Advocacy

**National Association of State  
Energy Officials**

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**NUCLEAR ENERGY  
INSTITUTE**

# WHO IS NEI?

- Industry policy organization in place since 1953 (Atomic Industrial Forum)
- Formed in 1994 by merger of:
  - American Nuclear Energy Council (legislative)
  - U.S. Council on Energy Awareness (communications)
  - Nuclear Utility Management and Resources Council (regulatory)
  - Nuclear Division of the Edison Electric Institute

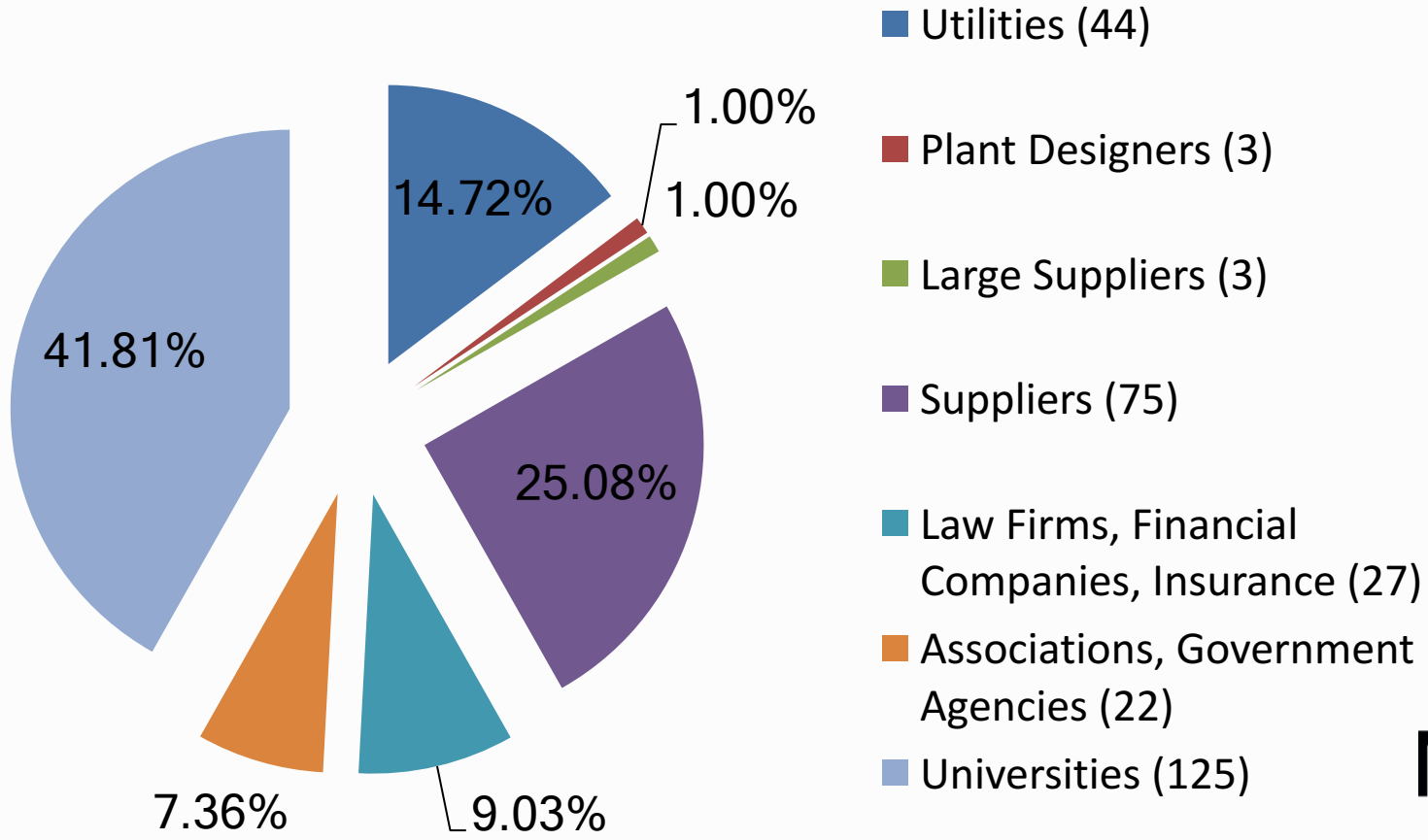


# MISSION

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.

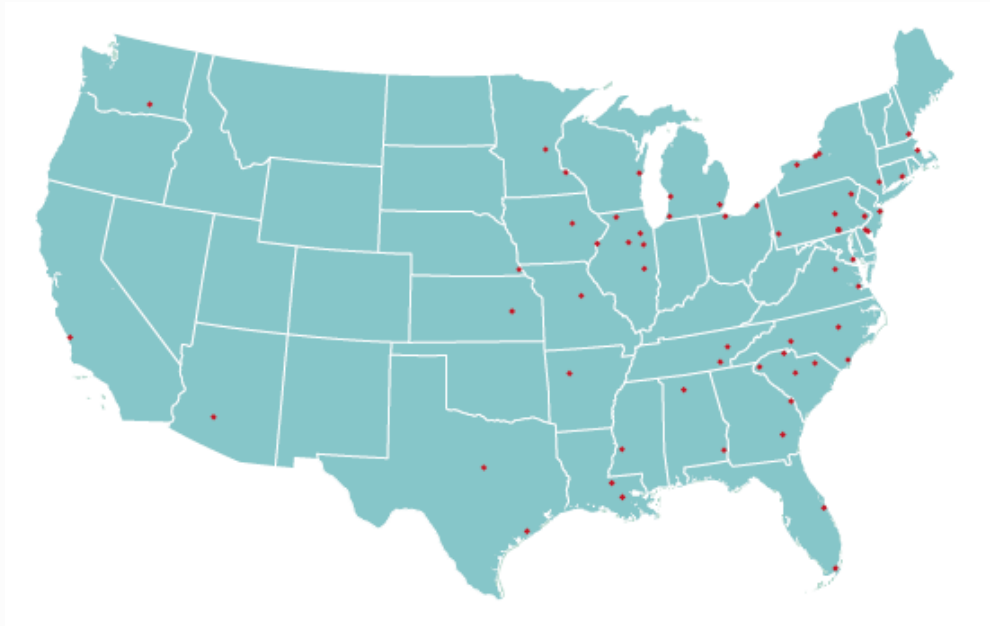


# 2017 MEMBERSHIP BY CATEGORY



**STATUS**  
**NUCLEAR ENERGY IN THE U.S.**

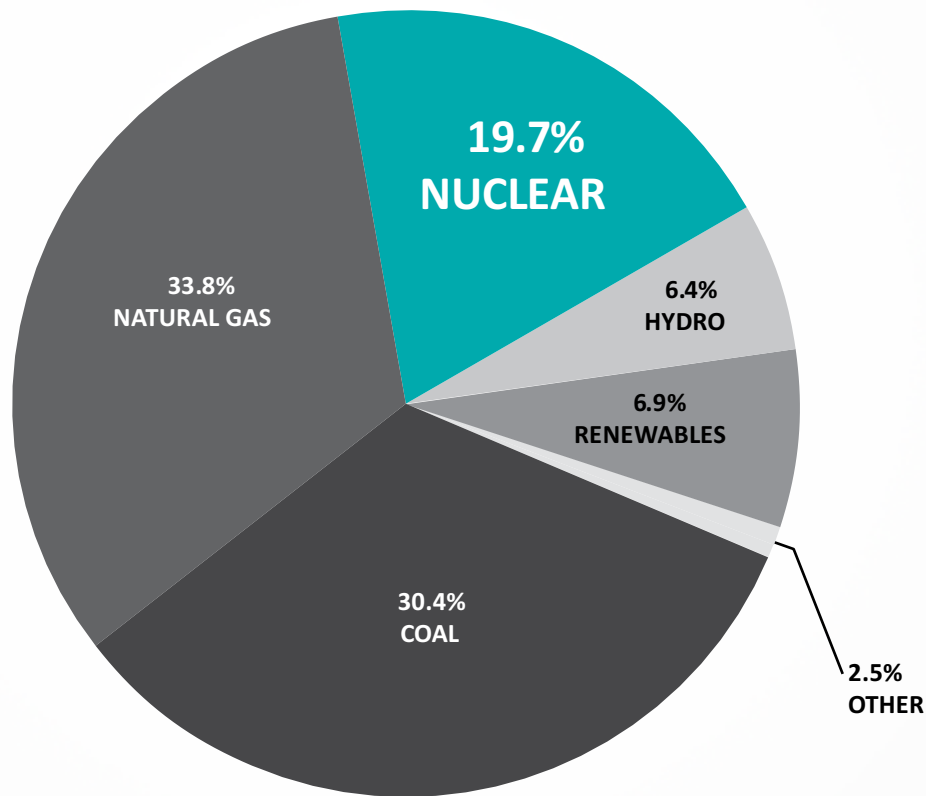
# NUCLEAR IN THE U.S



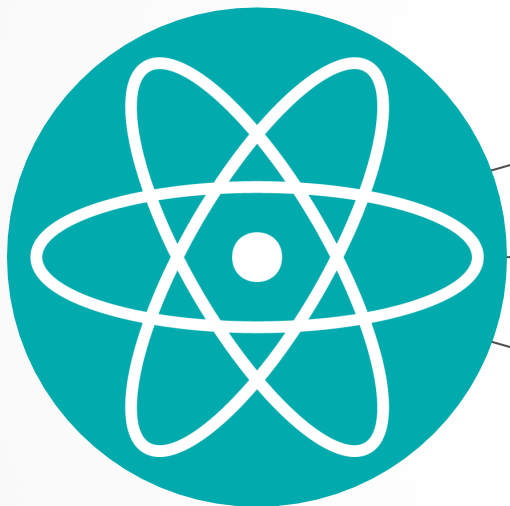
- 99 reactors across 60 sites in 30 states
- 98,672 MWe of baseload capacity
- 805.3 billion kWh in 2016
- 92.1% capacity factor in 2016

# 2016 NUCLEAR ENERGY SUPPLY

19.7%



# NUCLEAR 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”





NEI