

# U.S. Innovation in Present and Future Nuclear Technologies

IAEA Scientific Forum  
Nuclear  
Technology  
for Climate

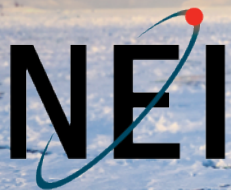
*Mitigation, Monitoring, Adaptation*

**18–19 September 2018**

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Vice President for Suppliers, New Reactors  
and International Programs

Nuclear Energy Institute



# Contributions of U.S. Nuclear

AVOIDS  
**547.5**  
MILLION  
METRIC TONS OF  
**CARBON**  
EMISSIONS  
EACH YEAR

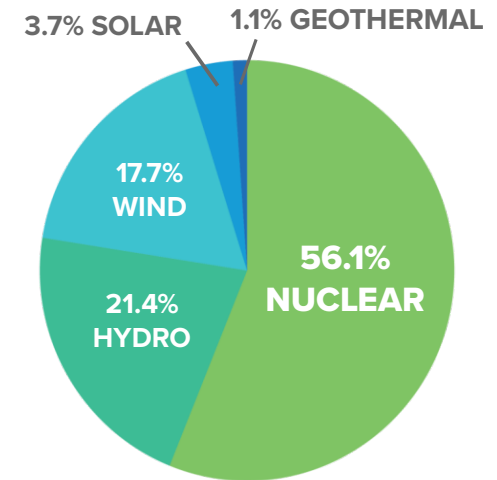
+

PREVENTS  
**315,000**  
SHORT TONS  
OF **NOX**

AND

**374,000**  
SHORT TONS  
OF **SO<sub>2</sub>**  
EMISSIONS

—AVERAGE—  
**CAP FACTOR**  
**>90%**  
SINCE 1999



CONTRIBUTES  
**\$10 BILLION IN FEDERAL**  
AND **\$2.2 BILLION IN STATE**  
TAXES EACH YEAR

SUPPORTS  
**475,000**  
JOBS

SAVES CONSUMERS  
AN AVERAGE OF  
  
**6%**  
ON ELECTRICITY BILLS

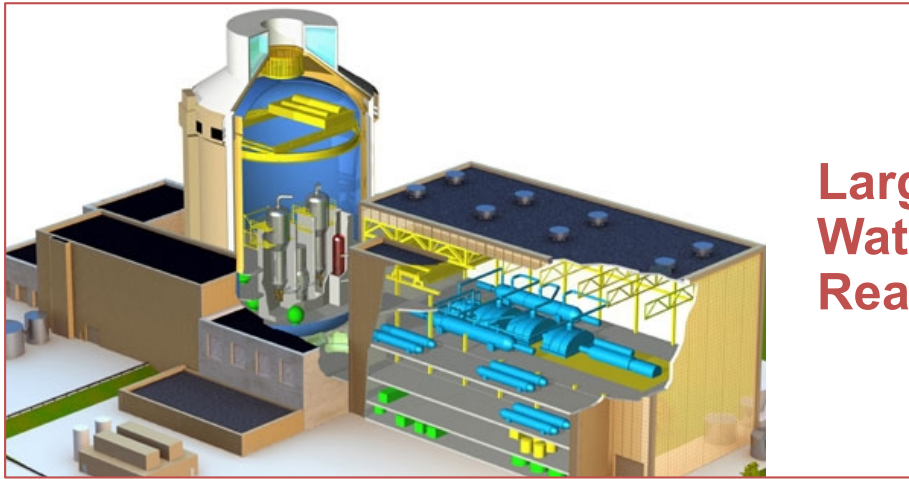
ADDS  
**\$60**  
BILLION  
TO THE COUNTRY'S  
**GDP**



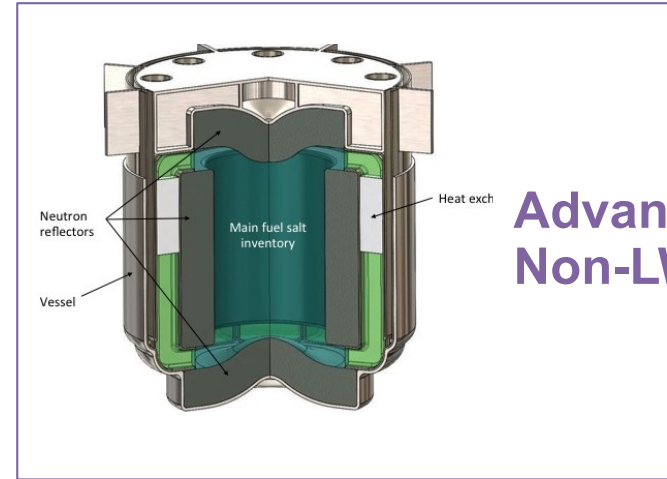
# Innovating for the Current Fleet



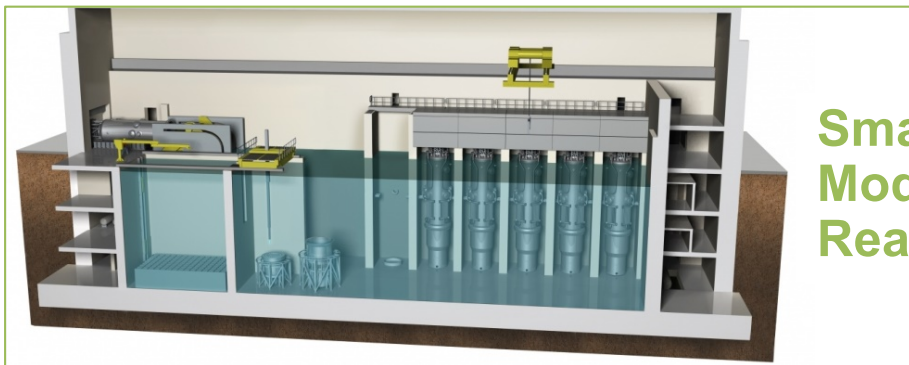
# Portfolio of Nuclear Innovation



**Large  
Water  
Reactors**



**Advanced  
Non-LWRs**



**Small  
Modular  
Reactors**



**Micro  
Reactors**





## Members Include



# USG Support for Advanced Reactors

