



Atoms for Prosperity
The Critical Need for Long Term Operation



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Series of horizontal lines for notes

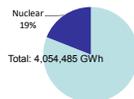


Nuclear Energy Plays an Important
Role in US Energy Supply

Nuclear power is a clean, reliable base load
energy source

- Provides 19% of U.S. electricity generation mix
Provides 61% of U.S. emission-free electricity
Avoids about 700 MMTCO2 each year
Helps reduce overall NOx and SOx levels

Electricity Production, 2012

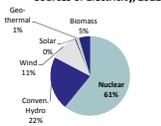


U.S. electricity demand projected to increase
~28% by 2040 from 2011 levels

100 GWe nuclear capacity - 100 operating
plants

- Fleet maintaining close to 90% average capacity factors
Most expected to apply for license renewal for 60 years of
operation

Net Non-Carbon Emitting
Sources of Electricity, 2012



Source: Energy Information Administration

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Committed to "All of the Above" Clean
Energy Strategy



"By 2035, 80% of America's electricity will
come from clean energy sources. Some folks
want wind and solar. Others want nuclear,
clean coal and natural gas. To meet this
goal we will need them all."

~2011 State of the Union

"Electricity generation emits more carbon dioxide in
the United States than does transportation or industry,
and nuclear power is the largest source of carbon-free
electricity in the country."

~ Secretary of Energy, Dr. Ernest Moniz



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■ Nuclear power must play a significant role in our energy future

■ Nuclear power has many benefits that current economic conditions do not consider

- Diversity
- Reliability
- Environmental

■ Existing fleet of nuclear power plants are a critical part of our energy infrastructure

■ New nuclear plants needed in the long term

- Large PWRs
- SMRs
- Advanced Reactors



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