



**Studsvik**

***NUCLEAR ENERGY***

***WHAT IT IS  
WHAT IT ISN'T  
NOW IT'S GREEN***

Presented by: W. A. "Art" Wharton III,  
President/CEO, Studsvik Scandpower



# ***NUCLEAR ENERGY***

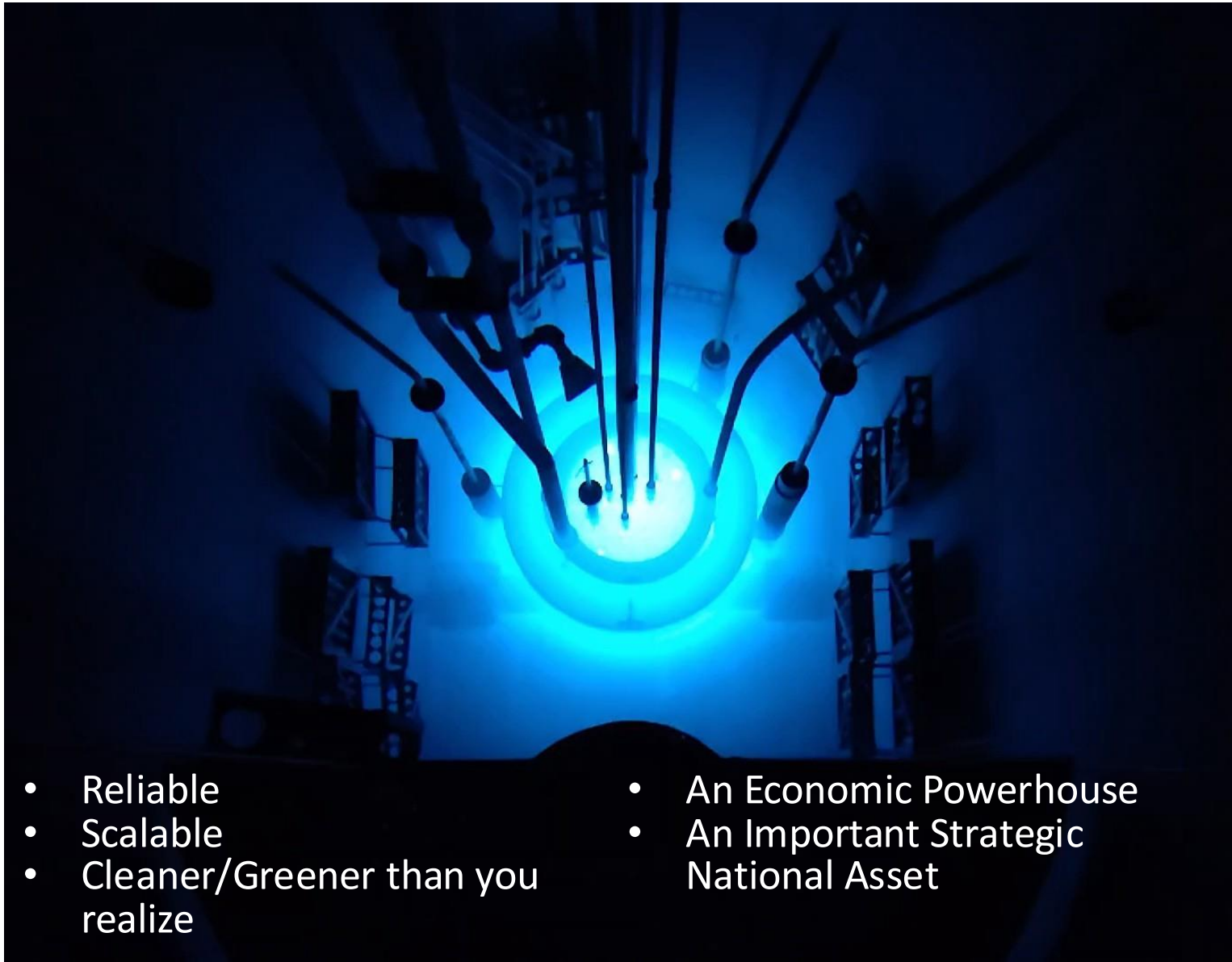
- What it is
- What it isn't
- Now it's GREEN
  
- Q&A AMA ("Ask Me Anything")



***THIS IS NOT AN ADVERTISEMENT FOR MY COMPANY.  
I HAVE NOTHING TO SELL YOU.***



# NUCLEAR ENERGY – WHAT IT IS



- Reliable
- Scalable
- Cleaner/Greener than you realize
- An Economic Powerhouse
- An Important Strategic National Asset



# ***NUCLEAR ENERGY: WHAT IT IS NOT***

**Not**: Nuclear  
Weapons

**Not**: Unsafe

**Not**: Dirty

**Not**: A viable risk to  
the public



# ***GAINING ACCEPTANCE AS WHAT IT IS: CLEAN & GREEN***

**Bipartisan US  
Congressional  
Support**

**Swedish  
Parliament  
Acceptance**

**Middle East  
Plans**



**Japanese  
Government  
Support**

**EU Taxonomy**

**Eastern Europe  
Dependence  
on Russia**





## ***NUCLEAR ENERGY CAN***

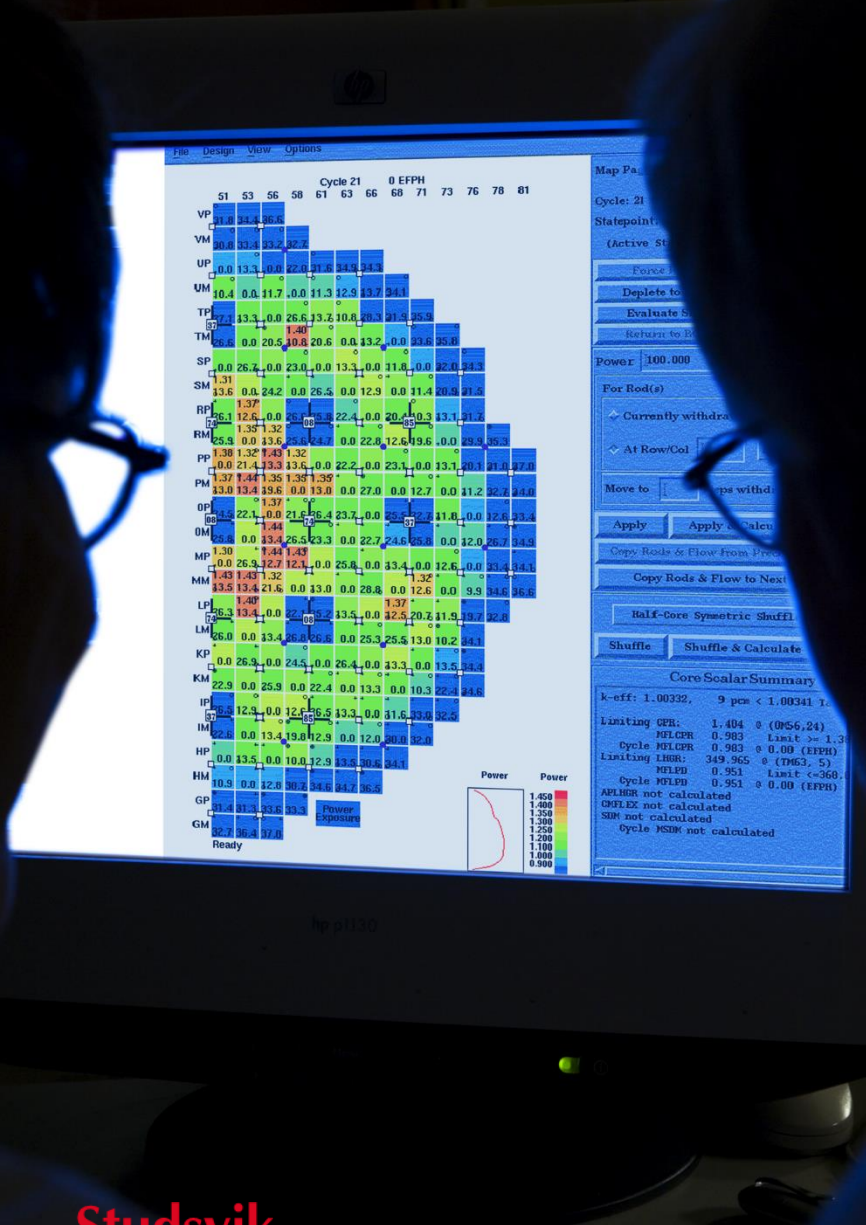
- Anchor your economy
- Provide a clean rural environment
- Provide reliability and consistency for 80+ years

Thank you for listening.

Now, Ask me Anything



# BACKUP SLIDES



• Ask Me Anything (AMA)

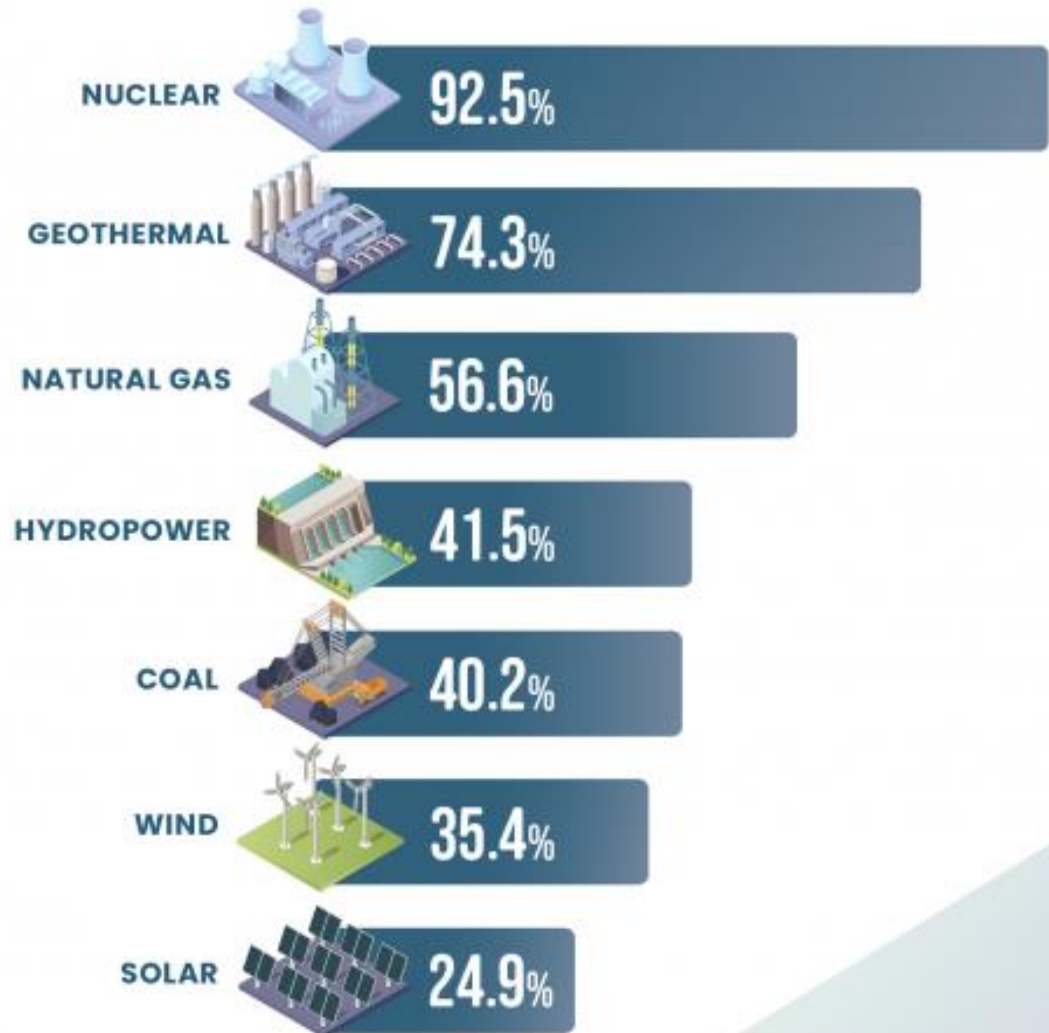


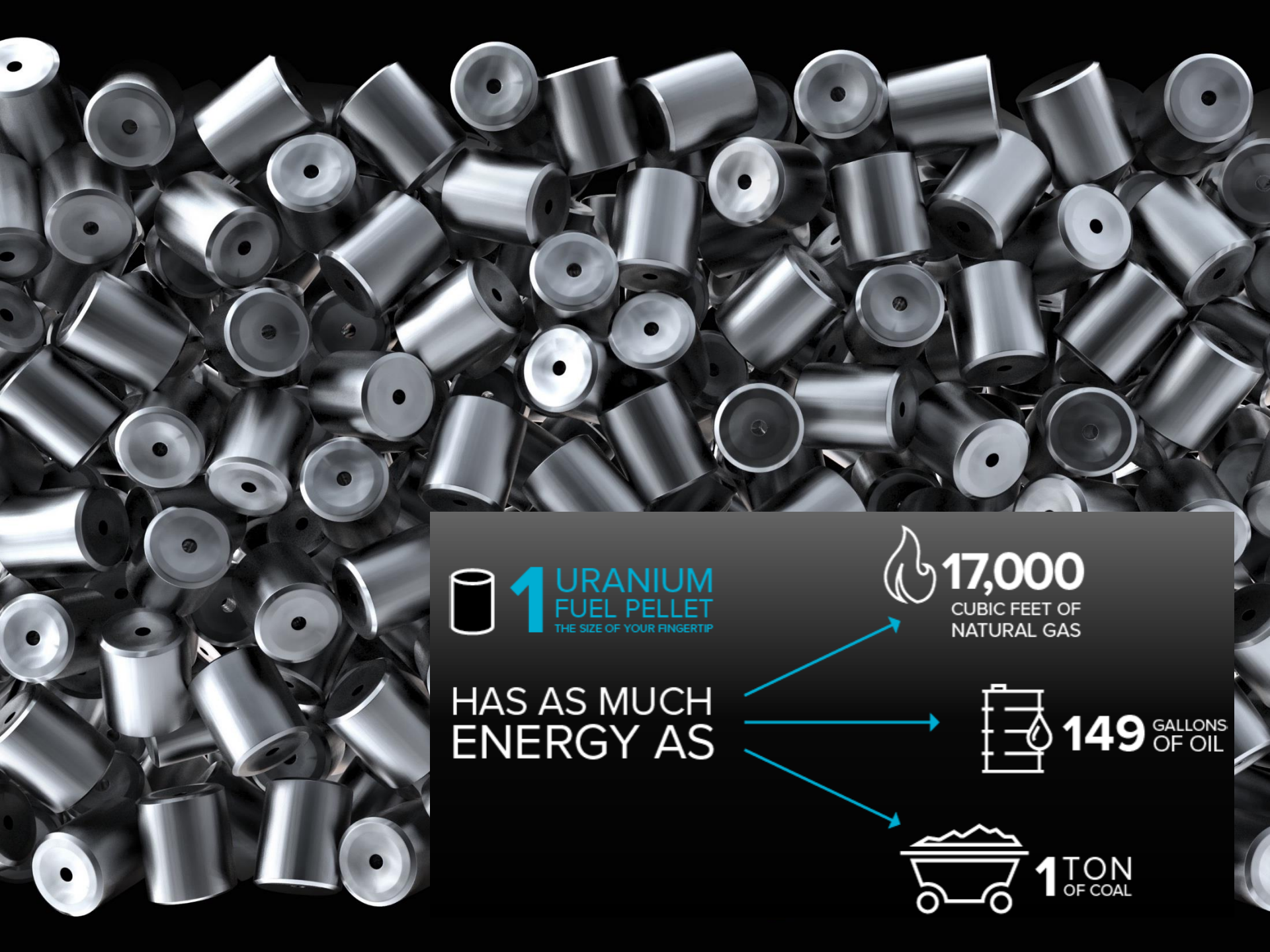


# NUCLEAR ENERGY IS THE MOST RELIABLE SOURCE, AND IT'S NOT EVEN CLOSE.

## Capacity Factor by Energy Source in 2020

Source: U.S. Energy Information Administration





**1** URANIUM  
FUEL PELLETS  
THE SIZE OF YOUR FINGERTIP

HAS AS MUCH  
ENERGY AS



**17,000**  
CUBIC FEET OF  
NATURAL GAS



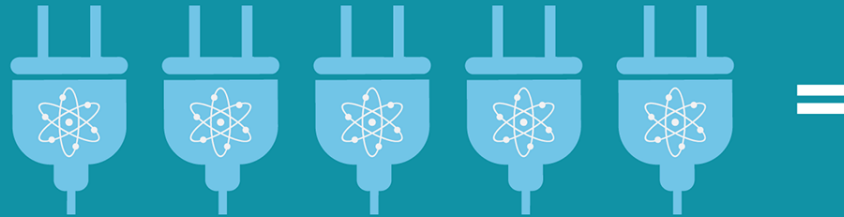
**149** GALLONS  
OF OIL



**1** TON  
OF COAL

# REPLACING LOST NUCLEAR

**5**  
nuclear  
power plants



or

**16**

400 MW natural gas combined-cycle power plants (Emitting a total of 12 million metric tons of CO<sub>2</sub> per year)



or

**7,600**

1.5 MW wind turbines

 = 250 wind turbines

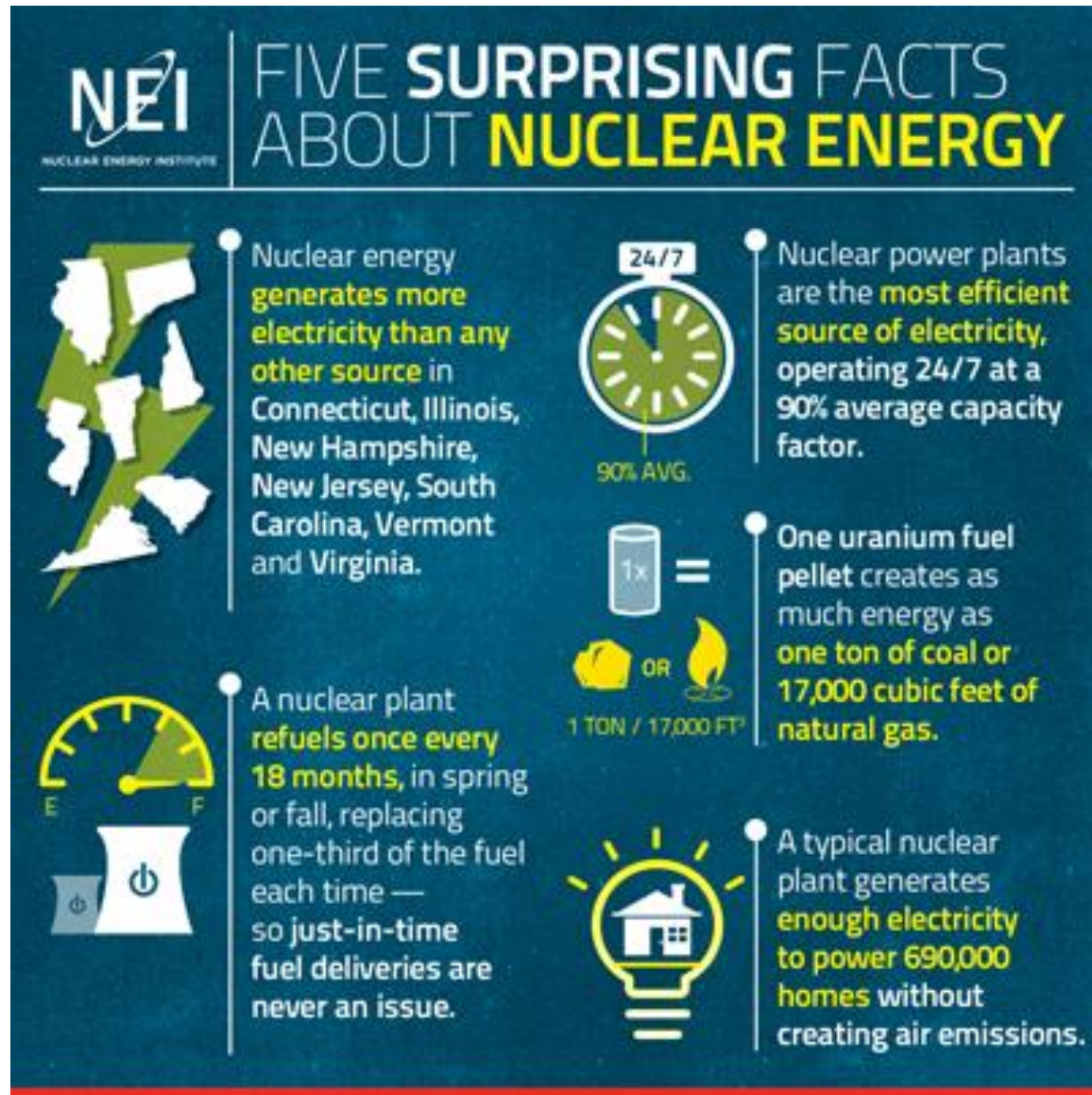


**3,700,000**

5 kW solar PV rooftops

 = 50,000 panels

# CURRENT STATE

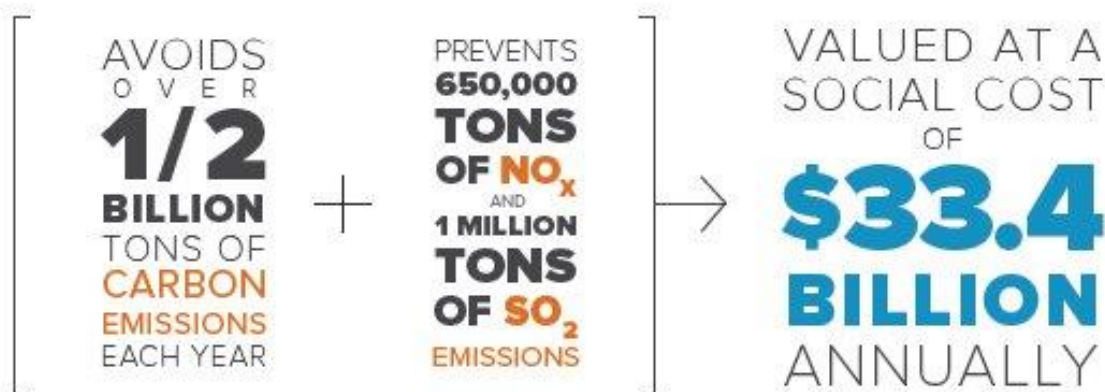


# POLITICS, MONEY, AND WHY YOU HARDLY EVER SEE MY INDUSTRY REPRESENTATIVES IN YOUR TOWN

## ECONOMIC BENEFITS



## CARBON-FREE BENEFITS





# Say No to Nuclear Bailouts

Bailing out the nuclear industry means higher energy rates for consumers like you. These billion dollar companies don't need bailouts, they need to compete with other energy companies on a level playing field.

➔ **GET INVOLVED!** ⬅

**TWITTER:**

@NoNukeBailout

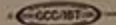
**NO NUCLEAR  
BAILOUT**

**FACEBOOK:**

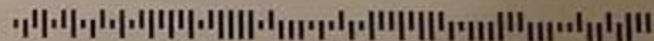
facebook.com/  
nonukebailout

Paid for by The American Petroleum Institute

1220 L Street, NW  
Washington, DC 20005-4070



PSRT STD  
US POSTAGE  
PAID  
GARNER  
PRINTING

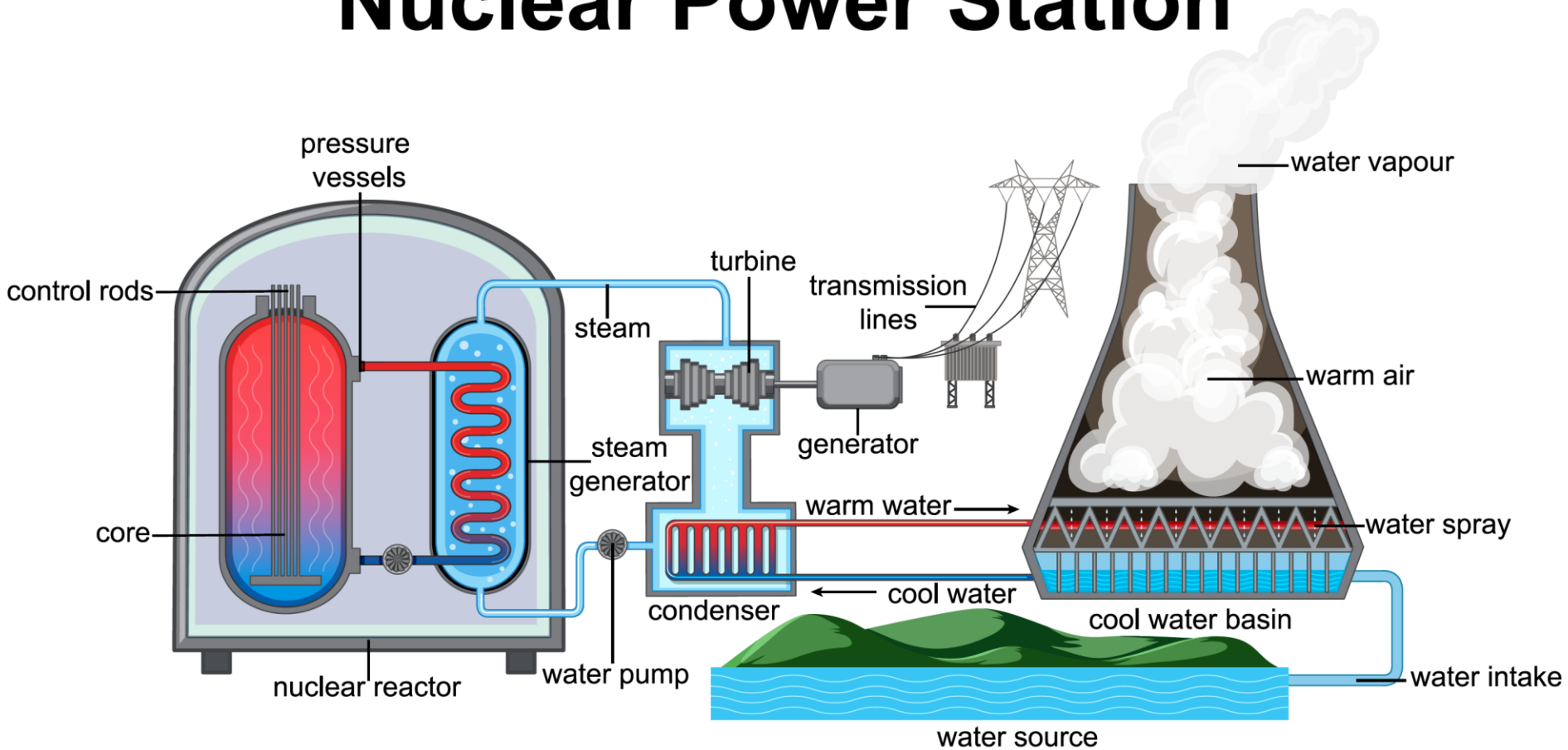


**TAKE ACTION TODAY &  
CALL YOUR LEGISLATOR**

**Senator  
Bob Mensch  
at 717-787-3110**

Tell them competition and lower prices are good for Pennsylvania. A bailout for the billion dollar nuclear industry just won't work.

# Nuclear Power Station



# FUTURE STATE

