Hello and welcome to my presentation of Dr. Thorium or How I Learned to Stop Worrying and Love Nuclear Power.

And Yes you are correct if you guessed that this title is an oad to one of my all-time favorite movies doctor strange love…

CLICK

The prevailing “wisdom” on America’s energy future is leading us down the wrong path.

Renewable electricity sounds good, but with current technology, it means higher energy prices and less-reliable electricity.

America invented the best answer to our energy needs: nuclear power.

CLICK

Now I have always been a big fan of Late Night TV and one of my all-time favorite segments is the Top 10 List by David Letterman.

So naturally I figured I would explain why nuclear power will be the key to Americas energy future with a new installment of a top 10 List

So, without Further Aude…

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Number 1. Zero Emissions:

Nuclear power produces 20 percent of America’s electricity and 70 percent of our carbon-free electricity today.

In contrast, wind and solar power provide only 2 percent of our electricity and only 6 percent of our carbon-free electricity.

Nuclear also produces none of the air pollution that comes from burning fossil fuels.

ClICK

Number 2. Reliable:

America’s nuclear reactors operate 90 percent of the time, making nuclear our most reliable source of electricity.

Renewable energy is intermittent, with power available only when the wind blows or the sun shines.

And Come on the US does not want to look like North Korea At Night...

CLICK

Number 3. Low cost:

The National Academy of Sciences says nuclear can produce electricity at or below the cost of wind, solar or coal with carbon capture.

Renewable sources seem cheap only because they are subsidized with billions in government money and because they have not yet been built to scale.

At current rates, taxpayers would have to shell out $170 billion to subsidize the 186,000 wind turbines necessary to equal the output of 100 reactors.

CLICK

Number 4. Land Conservation:

Renewable sources create what the Nature Conservancy is calling “energy sprawl.”

They consume staggering amounts of land.

An unbroken line of 50-story wind turbines along the 2,178-mile Appalachian Trail would produce no more electricity than four nuclear reactors on four square miles.

CLICK

Number 5. Fewer new transmission lines:

 Nuclear power’s tremendous energy density not only produces a small footprint but means reactors can be located where they are needed.

And new small modular reactors being developed today could easily power the electricity needs of a small town at current coal burning plants with the need for close to zero new transmission lines.

Producing 20 percent of America’s electricity from wind would require 19,000 miles of new transmission lines through backyards, farmland, and scenic landscapes.

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Number 6. Jobs:

Much todo has been made of “green jobs” created by renewable energy,

yet, according to an American University study, 80 percent of the $2 billion in renewable subsidies from the “stimulus” package went to overseas manufacturers.

More jobs will be create for the red, white and blue by the nuclear power industry than by high-cost, intermittent power from renewables.

CLICK

Number 7. Reducing nuclear arms:

In 1996, America pioneered a remarkable deal with the post-  
Soviet government to buy uranium from old Soviet bomb stocks.

For the last two decades, old Soviet weapons material has supplied half our nuclear fuel.

As a result, one in 10 light bulbs in America is now powered by a former Soviet weapon.

To me that is Awesome.

CLICK

Number 8. International competitiveness:

France produces 80 percent of its electricity from nuclear and has among the lowest electricity rates and carbon emissions in Western Europe.

Russia is using nuclear to replace natural gas, which it can sell to Europe at six times the price.

The US could do something similar

Currently There are 55 reactors under construction around the world — none in the United States.

Are we the only country that doesn’t recognize the value of low-cost, reliable energy?

Click

Number 9. Safety:

 While we have experienced coal mine tragedies like the Sago Mine disaster where 12 Miners where killed, a devastating oil spills like deep water horizon and the deadly explosions of a natural-gas pipeline, there has never once been a death from a nuclear accident at an American commercial reactor.

There has never been a nuclear-related death aboard an American nuclear Navy vessel, either.

The Occupational Safety and Health Administration reports that working in the nuclear industry is safer than working in the finance, insurance and real estate sectors.

CLICK

NUMBER 10: Public Support:

According to a Gallup poll back in March 2010, 62 percent of Americans favor nuclear power — an all-time high.

In communities that already have reactors, support runs even higher.

Now I understand that not all Gallup polls are always statistically significant and that this was a survey from 7 year ago.

But nun the less this show that there is some support for nuclear energy.

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And There you have it the Top 10 reasons why nuclear power will be the key to Americas energy future.

And in all Honesty a diverse energy production grid that includes Low-cost, reliable and clean nuclear power, as well as other forms is essential to build a stronger economy, create jobs, and increase our nation’s competitiveness.

It is my hope that we will not wake up one cloudy, windless day to discover the lights do not work because we ignored the best technology to power the 21st century — nuclear power.

Thank you.