

The Future of Energy

Net Zero - Nuclear

The Panel

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Some Observations of Energy

From Some Leaders

There is no such thing as alternative energy. It is additional energy
Former Sec. of Energy Sam Bodman

Petroleum is too valuable to burn in cars – Shah of Iran

From the public

**There is absolutely no economic activity that can take place
without the consumption of some energy**

**Complacent attitude has almost become a constitutional right to
cheap, abundant and now, clean energy**

Demand

Increasing demand is here now and will only grow.

AI

Chip Manufacturing

EV Charging Network

Crypto Currency Mining

This roaring demand is also stretching out the life of conventional (dirty) electric generation

Supply

In the current rush to meet this demand

A BTU (or a KW) by any other color, is still a BTU (or a KW)

It doesn't matter what created the BTU or KW

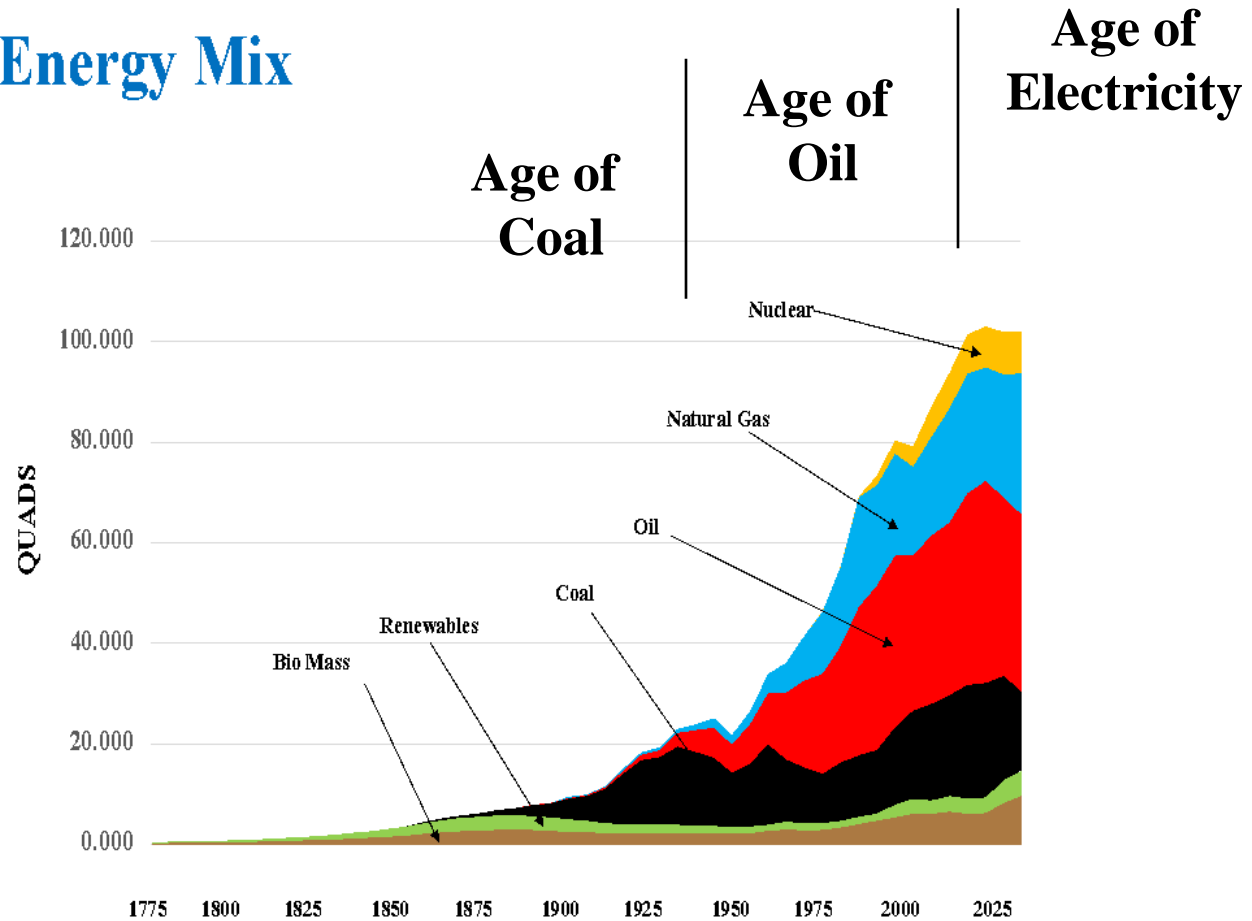
- **Geothermal**
- **Fossil Fuels**
- **Fission**
- **Fusion**
- **‘**
- **‘**
- **Di-lithium Crystals**

Price remains the arbitrator as to which BTUs (or KWs) will be used and when. This goes for nuclear too.

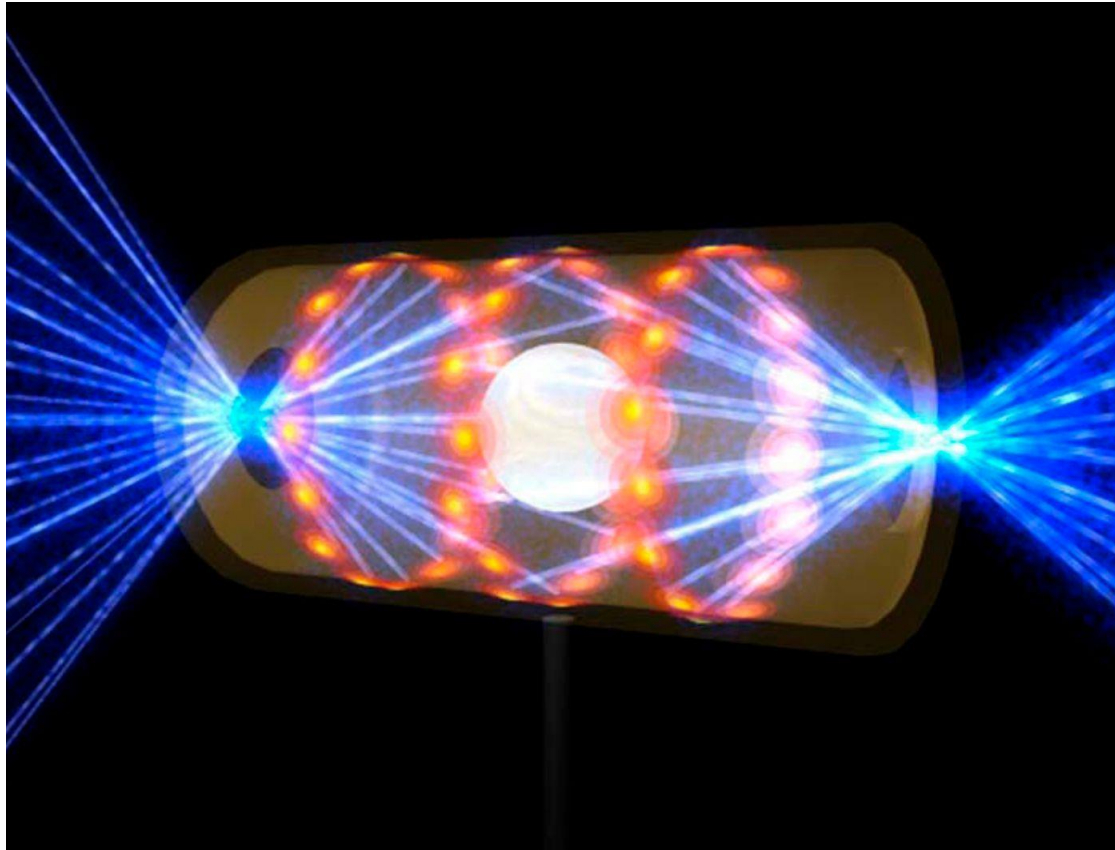
Stages of Evolution

- **Creative Thinking**
 - AI is here
- **Creative Disruption**
 - AI's needs lead to new energy supplies (Fusion)
- **Creative Destruction (Sometimes)**
 - Some current energy sources may not survive (Stranded Assets)

The Energy Mix



A Something that may be gaining on you
Fusion



2nd Anniversary, Dec. 5, 2022

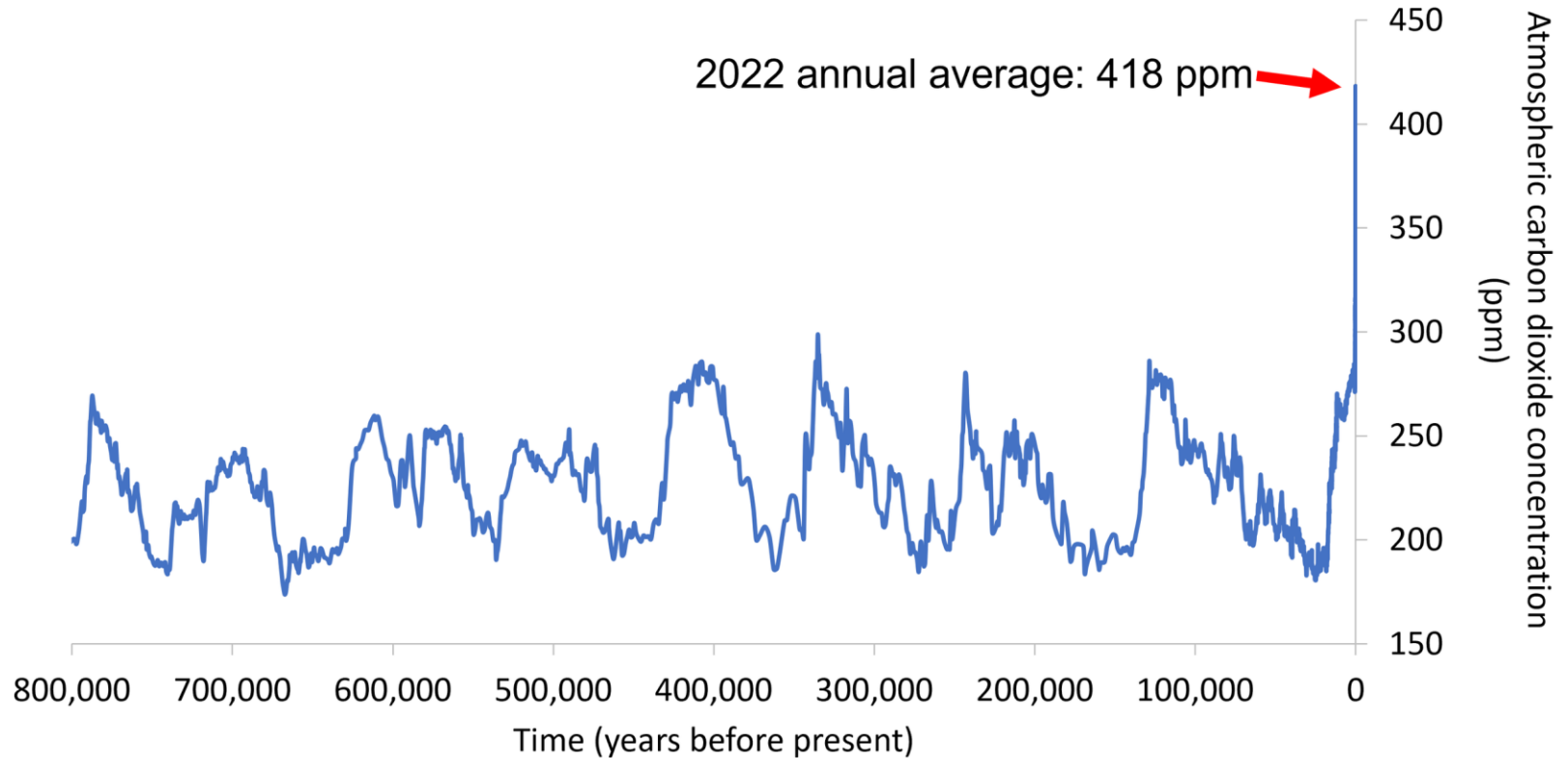
Net Zero -- Nuclear

The Never Fossil Fuels Folks

- Finally admit that if you take something off the shelf**
- You must replace it with something that**
 - Works just as well**
 - Is Cost Effective**
 - As abundant and convenient**

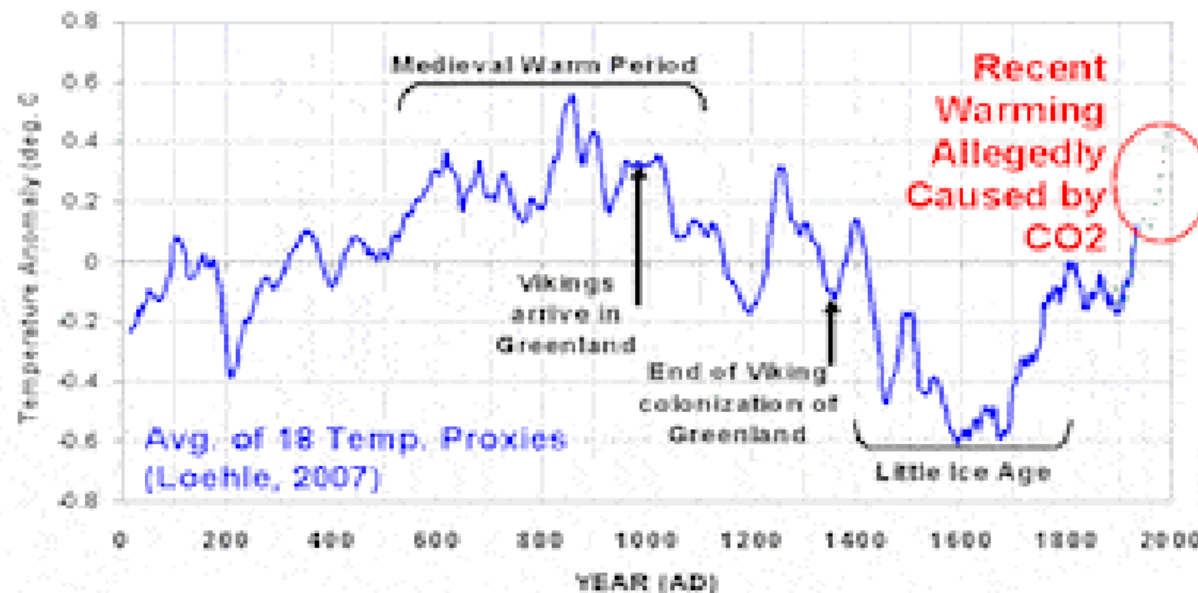
Nuclear is the only energy source that fits this criteria

Carbon Dioxide Variations



Evidence of *Natural* Climate Change

For the last 2,000 years, global warming and cooling have been the rule...not the exception



Additional Momentum



Minimizing One's Environmental footprint makes sense and dollars too.



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