## The Interrelationships of Energy, Environmental Extremism, Economic Prosperity and Education

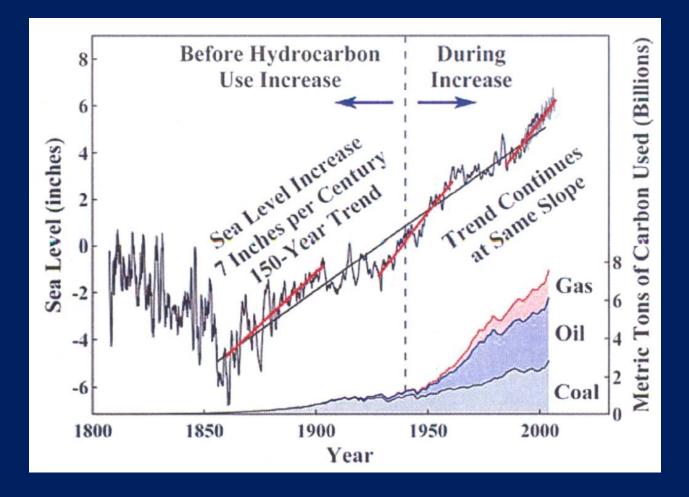
 Mankind is not Changing the Climate.
 Carbon Dioxide is not a Pollutant!
 <u>Carbon Constraints can cause America</u> to become a second rate Country, w/o sufficient Energy.

Dick Storm CEO, Storm Technologies, Inc.



RESULTS STORM

The Mis-Guided ANTI Coal Organizations in America cite "Global Warming" Trends over thousands of years, and attribute the global temperature rise to human activity, when in fact, the earth has been warming well before the 20<sup>th</sup> century and extensive use of fossil fuels.



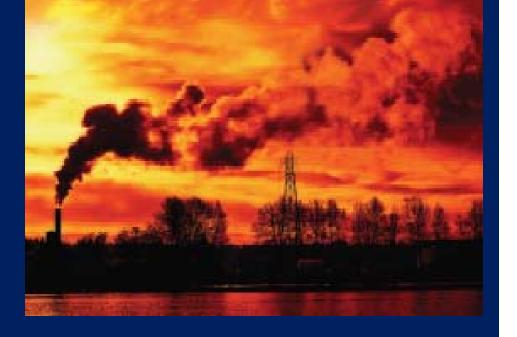




### Sierra Club ➢ Greenpeace ➢Natural Resources **Defense Council** > National Council of **Churches** Hollywood **TV** Big City News Media > and Many more

### THE DIRTY TRUTH ABOUT COAL:

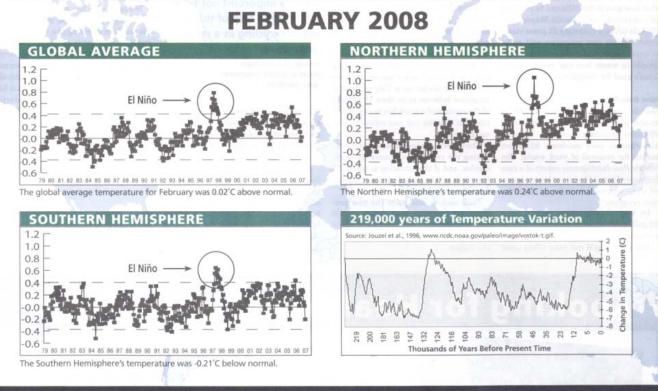
Why Yesterday's Technology Should Not Be Part of Tomorrow's Energy Future



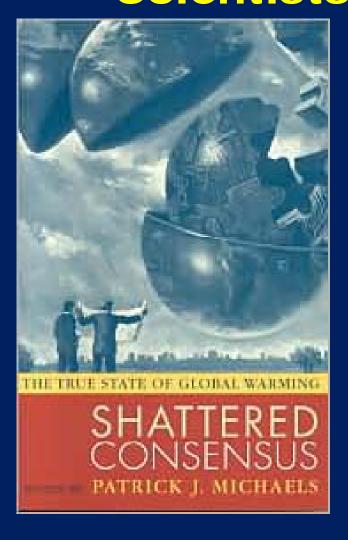


### GLOBAL SATELLITE TEMPERATURES

Each month, Environment & Climate News updates the global averaged satellite measurements of the Earth's temperature. These numbers are important because they are real—not projections, forecasts, or guesses. Global satellite measurements are made from a series of orbiting platforms that sense the average temperature in various atmospheric layers. Here, we present the lowest level, which climate models say should be warming. The satellite measurements are considered accurate to within 0.01°C. The data used to create these graphs can be found on the Internet at http://vortex.nsstc.uah.edu/public/msu/t2lt/tltglhmam\_5.2.



### These are Books Written by "Politically InCorrect" Climate Scientists

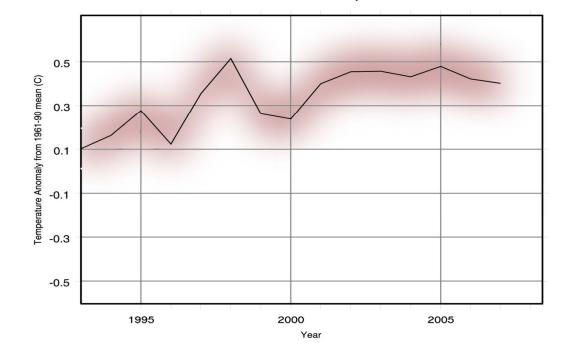


STORM

### CLIMATE CONFUSION CONFUSION HOW GLOBAL WARMING HYSTERIA LEADS TO BAD SCIENCE, PANDERING POLITICIANS AND

MISGUIDED POLICIES THAT HURT THE POOR

Actual Temperatures of the Earth by Richard Lindzen of MIT (a true Climate Scientist) STORM The Climate may not be changing anyway?

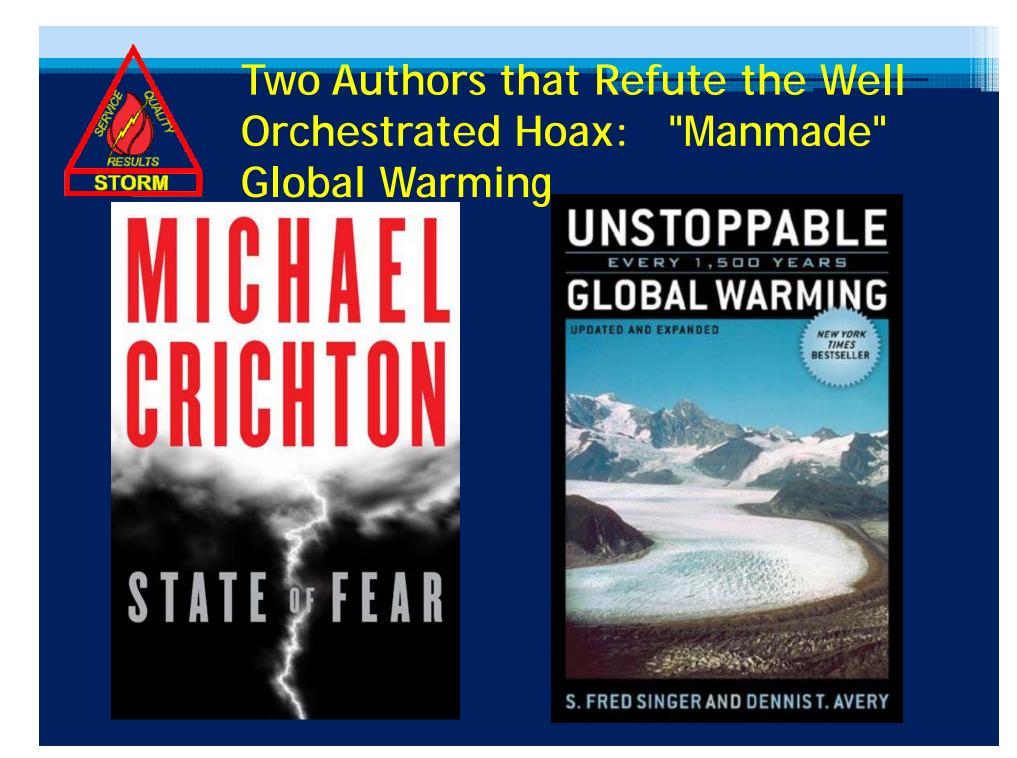


Annual Global Mean Surface Temperature Anomalies



## From "The Australian" Newspaper, April 23<sup>rd</sup>, 2008

- Sorry to ruin the fun, but an ice age cometh
- Phil Chapman | April 23, 2008
- THE scariest photo I have seen on the internet is www.spaceweather.com, where you will find a real-time image of the sun from the Solar and Heliospheric Observatory, located in deep space at the equilibrium point between solar and terrestrial gravity.
- What is scary about the picture is that there is only one tiny sunspot.
- Disconcerting as it may be to true believers in global warming, the average temperature on Earth has remained steady or slowly declined during the past decade, despite the continued increase in the atmospheric concentration of carbon dioxide, and now the global temperature is falling precipitously.
- All four agencies that track Earth's temperature (the Hadley Climate Research Unit in Britain, the NASA Goddard Institute for Space Studies in New York, the Christy group at the University of Alabama, and Remote Sensing Systems Inc in California) report that it cooled by about 0.7C in 2007. This is the fastest temperature change in the instrumental record and it puts us back where we were in 1930. If the temperature does not soon recover, we will have to conclude that global warming is over.
- There is also plenty of anecdotal evidence that 2007 was exceptionally cold. It snowed in Baghdad for the first time in centuries, the winter in China was simply terrible and the extent of Antarctic sea ice in the austral winter was the greatest on record since James Cook discovered the place in 1770.





The War on Coal has Corrupted the understanding of our **Energetic** Young college students and been taken to many other businesses to apply pressure to kill coal...and with it Harm America



## Young, Smart "Well Intentioned", yet Misguided Youth protesting Cliffside



## Earthjustice Lawyers on Call





STORM

Well Intentioned, but not correct! The Facts are:

- 1. Carbon Dioxide is not harmful to the planet.
- 2. Man is not causing Global Warming.
- Actions to reduce Carbon will Harm America's Economy, Threaten National Security and reduce America's Strength in the world.

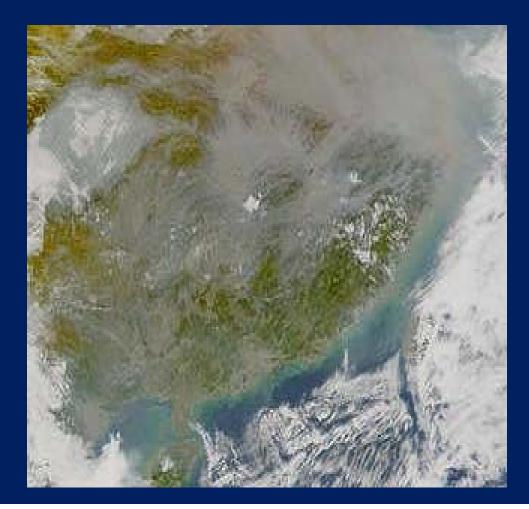
Stewardship is more than merely saying "NO" to Industrial Progress! If America is not Economically Strong, then Who will help the developing world?



Protestors at Bank of America and the "Asian Brown Cloud". While the Misguided Fight America's Perceived Pollution, Asia Truly Spews Toxic Gases and Particulates on the Planet. 20% of So. Calif. Particulates are thought to originate in Asia



STORM



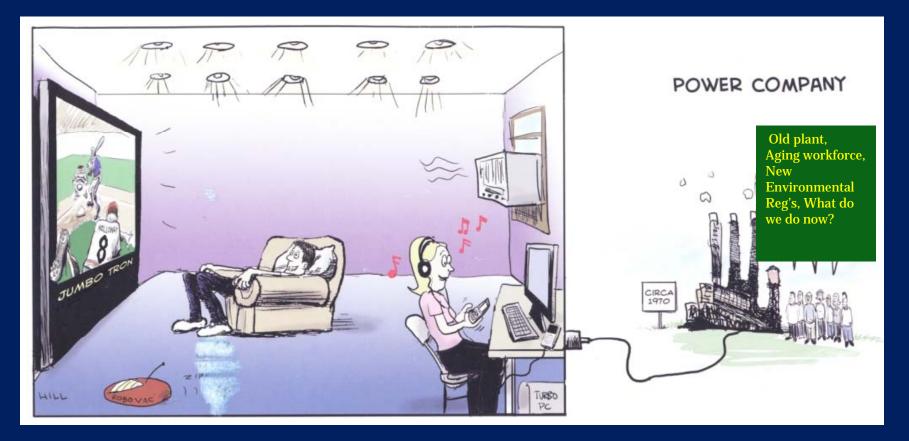


### "NIMBY's" and "BANANA's" in America Can do permanent Harm to America! "WAR on Coal" is a war on the American way of life.



### **Common Challenges for all Utilities:**

RESULTS STORM Electric Power demand is growing at 1-2% per year. America still depends on 35+ year-old, average age, power plants for 50% of its power. These aging plants with minimum O&M budgets continue to power growing technology, some dwindling manufacturing that still remains in the USA, a growing population, more numerous electrical gadgets and soon "Plug-In" automobiles.



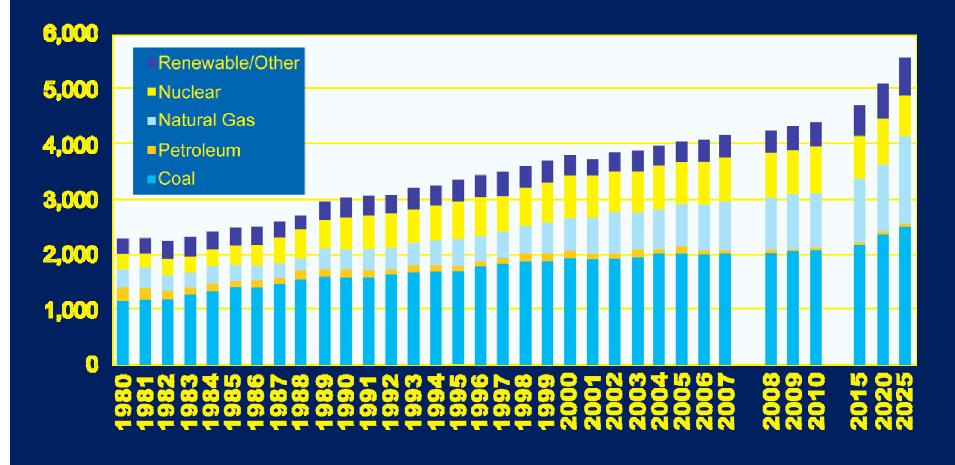


## Facts:

- Iran, Venezuela and Russia are energy "rich" and clearly hate America. They are using enormous "cash inflows" from selling \$130.00/BBL oil and high cost natural gas to arm themselves and create mischief. Worse yet, they are aligning themselves with leaders of other countries that are influenced by their "Petro dollars" to also "Hate America."
- Energy Self Sufficiency is not possible for many years. Please see the figure of "Oil Dependency and Ethanol Myth." We import more oil and a higher percentage of our total than we did in the first OPEC oil embargo of 1974. We Should Produce More Homegrown Energy!
- Can corn and soybeans replace 14 million BBL's/day of imported oil? Not a chance! If all the soybeans and corn grown in the USA was used for ethanol and biodiesel it would only amount to about 12% of our total use. Food prices would sky rocket and the poor nations of the world would have less food. Food prices have already increased from just additives of ethanol. E85 fuel at best is only 15% ethanol, and your car will get significantly less gas mileage using it.
- What about coal? We have about a 300-year supply.

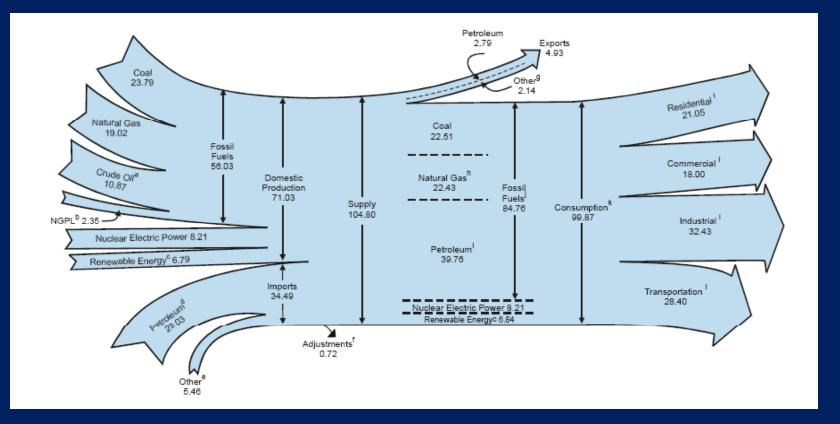


### US Electricity Supply by Fuel Type (TWh)





### USA Energy Flow Why America Needs More Coal and Nuclear Power





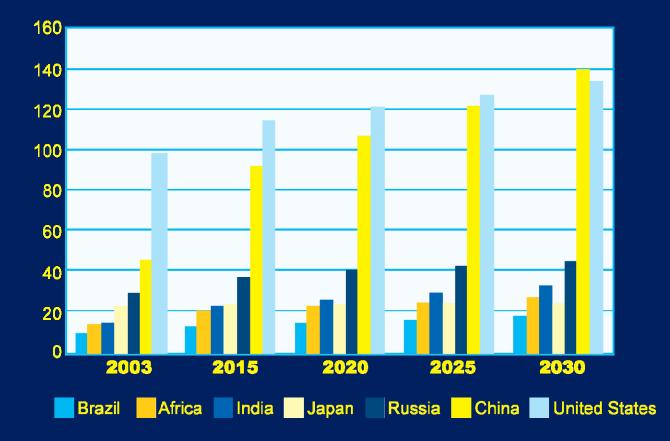
# An Example of a clean US coal power plant



#### **Stanton Energy Center**



### **Energy Consumption Forecast**



Source: J.T. Boyd Company

In America, we have four main pollutants that are controlled and regulated: Sulfur, NOx, Particulates and Mercury. Our stacks do not look like this....



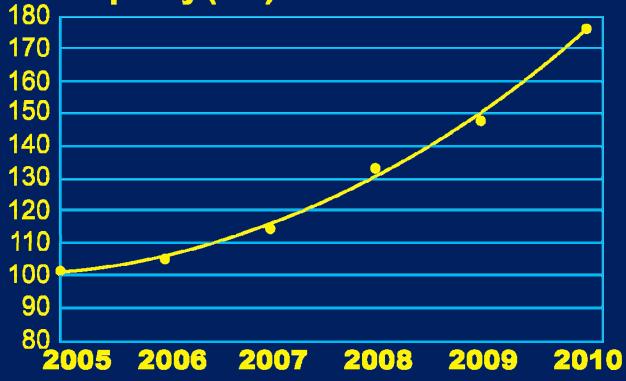
## This is a recent photograph taken in an Indian City, Compare to what we do in America





### Coal-Fired Power Plant Scrubbed Capacity Projection

**Capacity (GW) Includes New Plants** 

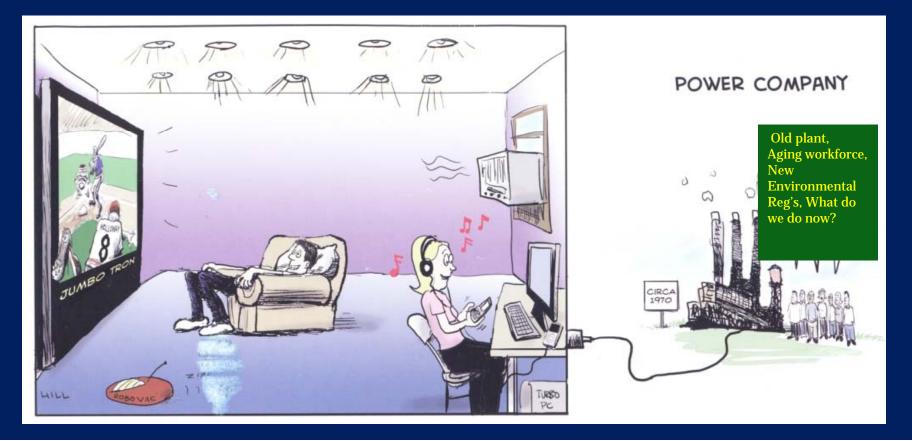


Source: J.T. Boyd Company



### Who Needs new Power Plants Anyway? What about Industry?

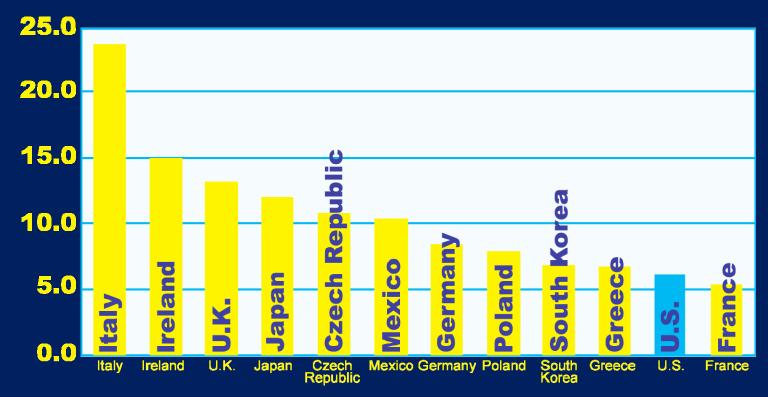
Electric Power demand is growing at 1-2% per year. America still depends on 35+ year-old, average age, power plants for 50% of its power. (Duke's fleet is average age 47 years old.)





# World Electricity Prices for Industry

U.S. ¢/kWhr -1<sup>st</sup> Quarter 2007

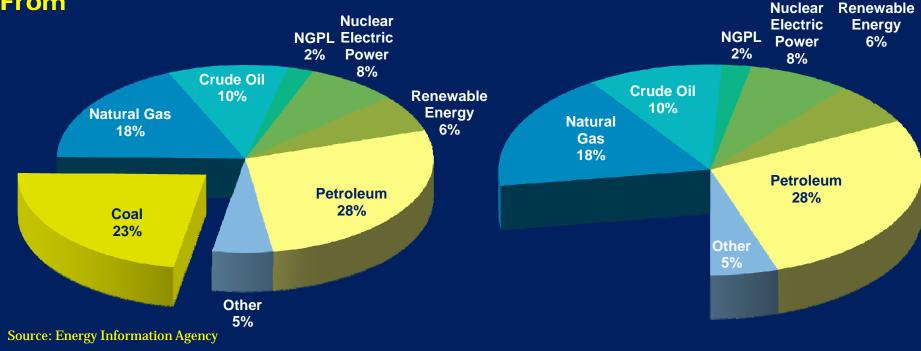


Source: J.T. Boyd Company



#### Without Coal America's Energy Future, and Especially American Manufacturing is in Jeopardy

#### Where America's Energy Comes From





Clean Coal Plants are a "Bridge" over the "Technology Valley of Death" for the Future.





Research the Facts, become knowledgeable on the Four E's! Your Children and Grandchildren will pay a high price for continued Mis-Understanding by our Policy makers. Call or write Senators Dole and Burr Call or write Congressman Hayes Write the Newspapers Contact Duke Energy and your energy providers. Ask them to be more Proactive. >Tell your friends. Spread the truth.

## What are Some Specific Recommendations ?

Produce more domestic energy of all forms. Oil, Natural gas, Nuclear, Coal, Wind, Solar, Biomass, Biodiesel, Tidal, Hydropower

### Drill to explore and produce oil and gas off the NC Coast and Alaska National Wildlife reserve (ANWR) Use "Plug-In" Cars to transfer energy from imported oil to domestically produced energy, including coal, renewable power and nuclear.

Build more Coal and Nuclear power plants ASAP!
Duild Denouve ble Denouve breatient

Build Renewable Power where practical

# Thank You!

Contact me if you want further information. It is very important to spread the truth to as many Americans as possible. Our children and grandchildren are depending on us to do so.

Sincerely, Dick Storm 704-983-2040 <u>www.stormeng.com</u> <u>RFStormSEA@AOL.com</u>