The Chevelon Alliance

Dedicated To The Preservation Of Arizona's Natural Heritage

The Chevelon Canyon, Navajo County, Arizona
Through the Ages its Serene Beauty Has Graced the Colorado Plateau. Today Its Banks Are Targeted For wind "farms"

"Green" Energy

A DELIBERATE QUEST FOR POVERTY

Tom Lahman
August 1, 2011

"A massive campaign must be launched to restore a high-quality environment in North America and to ***de-develop the United States****"*[1]

John Holdren - Obama's Presidential Science Adviser

"If a nation expects to be ignorant and free in a state of civilization, it expects what never was and never will be."

Thomas Jefferson

There is no darkness but ignorance, and there is no slavery but ignorance

Shakespeare

“The Darkest recesses of hell are reserved for those who remain neutral at a time of great moral crisis”

Dante

Foreword

I truly believe that in this century, the energy equation can be solved. If history is an indicator it will happen here in the United States. When that day arrives a new book will open describing a potential for mankind that we don't yet have language for. This will take money, dedication, and sacrifice much as the moon landing did in the last century. The analogy fails in that, the moon landing was an act of exploration, the energy equation is an act of survival for if we fail, so will the hopes of fulfillment, belief in a brighter tomorrow, and the dreams of liberty that this nation has held forth as a beacon for two and a half centuries.

U.N. Population projections predict a world of 8 billion people by 2030. Currently, Nearly one and a half billion people don't have direct access to electricity, and 2.4 billion people still cook with wood or dung. Energy demand is expected to increase 35% by 2030. It is unlikely that this will happen without a disastrous conflict over limited energy supplies.

It is abundantly clear that neither Wind nor Solar has the ability to supply the amount of energy necessary to improve the lot of the 85% of the world's population still living in poverty. Both the International Energy Agency and the U.S. Dept. of Energy place the cost of these far above that of conventional energies. The size of the U.S. and European national debt is evidence enough that we in the developed world cannot afford it. It is not rocket science to conclude that the developing world certainly cannot.

The challenge for America in this decade is to restore and sustain our economy at a level allowing the dedication of a national research program dedicated to solving the energy equation. While our current energy system is less than perfect, it is in place, is reliable and sufficiently affordable. The billions of dollars being misallocated to wind and solar not only destabilize our economy and lower our living standards but actually raise the possibility that our nation will not survive in a form capable of solving the energy equation.

This nation has proven it has the ability to achieve great things. In this one, we must not fail. If we cannot extricate ourselves from the mediocrity of cheap consumerism, if we cannot develop and embrace a vision and the willpower to demand real leaders for the challenge of this century; we cannot possibly succeed. If we are willing to blindly follow a president whose limited vision of energy independence consists of the resurrection and redecoration of antique and failed technologies, our energies will be scattered and dissipated, our economy destroyed and our future immersed in failure.

If instead of leadership we continue placing politicians the likes of Clinton, Bush, and Barack Obama into the highest office of the land, if this is the best that we can produce, then we will surely dissolve in to the same faceless dust as other failed great nations and, like ancient Greece, exist only as a remarkable and short event recorded in a world history dominated by a brutish existence exclusive of human rights.

In 1953, the then head of the Soviet Union: Nakita Kruschev predicted that communism would bury us. If this nation's leadership seriously believes that we can power a steel mill with a subsidized solar panel, it will surely come to pass.

Tom Lahman

First, understand that a **"National Renewable Energy Standard"** is a law requiring every state to buy a specified percent of their electricity from "Green Energy" producers (effectively a subsidy). A law is necessary because there are still 14 states who **insist** that each state is individually better able to determine how to meet their own energy requirements. This is an unendurable affront to unblinking advocates of bigger government and central control.

Governments legislate subsidies to ensure profits for investors when a loss is the guaranteed outcome. Subsidies in no way eliminate Loss. Bill Clinton's Sub-Prime mortgage program was the housing industry's equivalent of a National Renewables Standard. The subsequent melt-down is an excellent example of this! In fact, all the indicators that define an economic "Bubble" are rampant in the renewables industry.

The objective is to transfer the loss from the investor to the taxpayer.

In a free enterprise system a loss occurs when there is no demand for a "good " produced or when the production of that good is so inefficient that the cost to the consumer is not competitive with other products serving the same purpose

In the case of wind and solar, **abysmal inefficiency is the reason no American companies will invest in renewables *-unless-* the U.S. Government (via the American taxpayer) will guarantee a profit**, hence, the clamor of 'Green Energy" promoters demanding subsidies.

Last year the Institute for Energy Research issued a report entitled The Status of Renewable Electricity Mandates in the States. The study compared electrical pricing in states having "Green" Mandates with those who did not. Those states with mandates had average electrical costs **38%** higher. Of the 15 states having the lowest rates, 13 generated their power from coal and hydro (Oklahoma and Louisiana rely primarily on natural gas).

The Energy Information Administration lists the estimated levelized cost of new generation resources for the year 2016, each year in their publication: **Annual Energy Outlook**. The following is from the 2010 outlook.

Levelized Cost For New Generation Sources in the year 2016
(per megawatt hour)

Note: The % given in parenthesis refers to the capacity factor – that percent of the maximum nameplate stated output that the source can be counted on to deliver

Conventional Coal - $100.40* (85%)
Advanced Nuclear - $119.00 (90%)
Wind onshore - $149.30 (34.4%)
Avg. Natural Gas (exc. turbines) **- $92.00 (87%)**
Photovoltaic Solar - $396.10 (21.7%)
Wind offshore - $191.10 (39.3%)

If the dollar figure is divided by the per cent we get a sense of the actual value to the consumer; the smaller the figure-the greater the value**: Gas: $106** ($92 / .87), **Coal: $118**, **Nuclear: $132**, **Wind Onshore: $434**, **Wind Offshore: $486**, **Photovoltaic: $1825**. This gives the cost of onshore wind to be **3.7** times that of coal, offshore wind over **4** times, and solar to be **15.5** times.

***** In 2008 the EIA gave $78.10 as the levelized cost. This figure has been driven upwards as the Obama

administration makes good on his stated goal of making coal unaffordable by heaping regulatory costs and penalties on the industry. Construction plans for 38 new coal plants have been cancelled as 48 more face retirement[2].

Renewables come with a raft of additional burdens imbedded in taxes, the national debt, increased energy costs, diminished living standards, increased unemployment, property devaluation and environmental degradation.

The IER study was preceded by a report released by the Heritage Foundation on May 5, 2010**:** **"A Renewable Electricity Standard: What It Will Really Cost Americans"**

The study assumed a 3% national mandate beginning in 2012, and increasing every year by 1.5%. This produced a 15% mandate in 2020, and ending with 37.5% in the year 2035.

Abstract:

"***Renewable energy…sounds wonderful until confronted with the facts. While wind and sun are indeed free, turning their energy into consumer-accessible electricity is not….Instead of saving money for Americans, renewable energy sources are much more likely to spike their utility bills. Nevertheless, Congress is considering a mandate for a nationwide renewable electricity standard (RES)…..an imposed national RES would be bad for families, bad for business, and bad for the economy."***

Some Background On Electricity and Wind Energy

Electrical appliances operate on alternating current, this requires that all generators in the grid turn at the same frequency and be perfectly synchronized. Further, appliances are designed to operate at specific voltages and amperages. Too little and we get Brown-Outs or complete grid failure: Black-Outs. Excessive voltage will destroy or damage equipment both in the grid and at the consumer end.

The flow of wind is erratic and uncertain. Its unreliable nature is especially problematic when wind is used to generate utility-scale electricity for the power grid. **Without** wind energy, maintaining voltage and frequency is highly challenging and requires constant monitoring of demand and adjustment of supply. The technology for storing grid level electricity does not exist, electricity must be consumed as it is created, standby generators are constantly being ramped up or down as needed. Daily demand varies with season and weather fluctuations, yet based on decades of consumer history it is highly predictable. **What is not,** is the size and instant that wind energy will arrive (wind prediction makes astrology look like an exact science). Think of it as driving down the freeway knowing that every few miles there will be an 18 wheeler coming at you on the wrong side of the road !

The equipment best able to quickly ramp up and down is natural gas turbine generators. These turbines are both inefficient (30%) and expensive to operate ($114 MWh avg.)[3]. Wind power production cannot be divorced from these, nor can the resulting emissions produced by these generators. Further, as the percentage of wind power in the grid is increased so must the per cent

age of gas turbine back-up. Below 20% the needed back-up is on the order of 20% of the maximum wind power output possible. Above this the required per cent age backup rises sharply[4]. If the objective was to supply 100% of demand with windpower; the necessary gas turbine back-up would be above 75%. Rupert Steele, Iberdrola Scotland Regulation Director stated in a Reuter's article of April 2009: "Thirty gig watts of wind maybe requires 25 GW of backup" (83%).

Efficient wind power production requires strong and near constant wind speeds (below 30 mph the power produced by a wind turbine drops off dramatically[5]). The few sites that meet this requirement are not located near the point of use. This requires expensive transmission lines to be constructed. These lines have to be sized for maximum production even though the U.S. average wind power production is only approx. 25% of this (this is akin to buying a Ferrari to use as a golf cart). Further, Inherent line resistances over connection distances can easily result in transmission losses exceeding 10%.

Because wind is incapable of supplying more than a small percent of U.S. requirements, base line requirements are currently met by coal (45%), hydro (6%), natural gas (24%) and nuclear (20%)[6]. Coal provides the single largest portion of our power. The Obama administration has burdened the industry with artificial regulatory expenses which increases consumer costs. As there is no viable alternative to coal, the consumer can only evade these costs by reducing overall power consumption and/or diminishing living standards,. A National Renewable Energy Standard would be a huge step towards achieving Obama's announced goal:

"Under my Plan, Electricity Rates Would Necessarily Skyrocket"

Barack Obama, in an interview with the San Francisco Chronicle, January 17, 2008

Humanity has not survived by willingly embracing negatives. The promoters of renewables tackle this problem with a twofold approach: 1). Lies 2). Money. This paper exposes both. The subsidies, rebates etc, are part of the lies as the intention is to create the false perception of low cost. On the other side of that coin are the regulatory burdens and penalties placed on the conventional energy industries. The purpose of these is to artificially increase the expense of using lower cost conventional energies until they have become the more expensive. As you will see:

Everything in the "windy" world is either upside down or backwards !

Excerpts from:

"A Renewable Electricity Standard: What It Will Really Cost Americans"

- *"Electric power is one of the most critical inputs to a modern economy. Thus, it is no surprise that forcing the cost of electricity to rise dampens economic activity. The cost increase for electricity can be viewed as a particularly damaging energy tax, because a renewable mandate, unlike the case of a normal tax, provides no revenue to at least partially offset the higher cost. By way of comparison, the highway use tax on gasoline*

raises the price of gasoline, but it also generates revenues for building and maintaining roads and bridges. On the other hand renewable energy standard raises costs in the form of less efficient production, which provides no economic benefit."

- *"The broadest measure of a country's economic activity is gross domestic product (GDP). As the mandated level of renewable energy rises over time, so does the cost of electricity and so do the losses imposed on the economy. Compared to the no-RES baseline, GDP drops by $50 billion in 2012. The annual losses increase to $197 billion by 2020, $300 billion in 2030, and more than $325 billion in 2035. Summing up the impacts for 2012 to 2035 yields a total loss of $5.2 trillion."* (This will reduce federal tax revenues while increasing demand for federal services. Tom L.)
- *"When the economy is shocked by the higher electricity prices, employment declines. In the first year (2012), employment drops 330,000 jobs below the baseline level. However, by 2017, employment falls 1,000,000 jobs below the baseline and at times is more than 1.2 million jobs below the baseline. On average, there will be 1,000,000 fewer people working with the RES in effect than if there were no RES. Forced to pay higher prices, households cut electricity use by 19 percent. Even after these consumption cutbacks, a family of four will see its annual electric bill rise by over $300".*
- *"Because the cost of generation is a bigger fraction of the industrial electricity price than of the residential electricity prices, the RES causes a bigger percentage increase in industrial electricity prices than in residential electricity prices. The price increase is 5 percent in 2012 and rises to 60 percent in 2035. The higher prices force cutbacks in consumption that reach 23 percent below baseline in 2035. The net impact in 2035 is that industrial users will pay out 21 percent more dollars for 23 percent less electricity than if there were no RES."* (This increases product costs, decreases consumer demand as well as tax revenues and increases unemployment. T.L.)

Conclusion

1. **By 2035 a family of four would see its share of the federal deficit increase to nearly $11,000**

2. **By 2012 Renewable energy standards would have cost the U.S. more than 300,000 jobs *and 1.3 million by 2032***

3. **Reduce annual GDP by an average of 218 billion annually with a cumulative total of $5.2 trillion by 2035**

4. **Raise electricity rates by 36% for households and 60% for industry** *(This refers to consumer electrical bills. When the additional cost of rebates, subsidies, tax incentives, and tax increases are factored in; the total is much greater. T.L.)*

5. **Reduce annual income by $2,400 for a family of four**

6. **Add more than 1,000,000 people to the unemployment lines**

> ***A renewable electricity standard is not a path to the new economy, but an example of the stale old thinking that will hobble the already damaged economy with job-killing cost increases.***

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The progression of energy use has always been towards ever more compact, concentrated and efficient forms of energy *(wood>nuclear).* The institution of wind and solar is the first instance in this timeline when a regression has occurred *(this is also the first time in the history of this nation when the present generation has come to doubt that the succeeding generation will live better than the last).*

Wind energy is an antique technology that is so unreliable and inefficient that it was abandoned late in the 1800's *(see W.S. Jevons, 1863).* And, for good reason: wind proved incapable of supplying enough reliable energy to meet even the miniscule needs of our fledgling industrial revolution. Even its last suitable use *(pumping water on remote ranches)* has all but disappeared.

The German physicist Albert Betz devised the "Betz" formula proving that the maximum energy that can be extracted from wind can never be greater than 59%. In real world conditions it is far, far, less than this. Something we can all be grateful for. Wind power is the movement of air molecules. A wind "farm" that was 100% efficient would transfer all incoming wind (kinetic energy) into electrical energy and thereby eliminate the wind. Even with their current abysmal efficiencies, climatic impacts have been recorded downstream of existing wind "farms". The issue is of a serious enough concern that Harvard University, MIT and others have done studies on the effect. *(Google: wind "farm" climatic effects*). The MIT study[7] predicted a 1°C rise in temperature combine d with drying effects. Note the irony: The solution to global warming induces more global warming!
*("**Everything in the windy world is either upside down or backwards**" Tom L.)*

Wind "farm" developers and promoters will tell you that "X" wind "farm" can supply the electrical needs for 3,000 homes *(for example*). This figure is arrived at by multiplying the *maximum possible* output (nameplate capacity) of each wind turbine, times the total number of turbines, then dividing by avg. U.S. household consumption (11,232 kWh/year *(EIA*). "*Maximum possible*" occurs when optimum wind speed occurs 24 hours a day, 365 days a year. Doesn't happen! In fact, the worldwide historical average is 23%[8] of nameplate capacity. At this rate the figure of 3,000 is reduced to only 690 homes.

Further, wind activity is inverse to electrical demand. Peak wind occurs at night in the spring and fall when power requirements are minimal. Wind blows least in the daytime of dead winter and midsummer when electrical demand is highest. *Two major university studies indicate that wind speeds across America and Europe have been declining for decades[9]. A 10% decline would result in a 30% loss in electrical production[10]. *(For a full explanation of wind Technology I refer you to the writings of Glenn Schleede, John Droz, and Jon Boone)*

Developers target poorer rural neighborhoods with inflated promises of employment while distributing a few donations to the local library and community projects. Local officials are enticed with predictions of exaggerated tax receipts and lucrative leases signed with large landowners (often absentee and sometimes the same officials with approval authority). In order to minimize public scrutiny, these multi-thousand acre industrial projects are authorized under "special use" permits that defy existing zoning. Few permanent jobs are created and the majority of the construction is done by mobile crews. Under World Trade Organization rules, these crews can be and often are imported by the foreign wind developers.

Typically none of the inducements live up to the promotions. The open land is lost, and the horizon annihilated by unending 400ft tall mechanical monstrosities. Communities are left battered and divided, the environment is defiled and the starry night skies are obliterated in a carnival midway of red strobe lights. For the sick of heart, even the ability to escape is quickly erased by declining property values and scarce buyers.

The Obama administration and other radical promoters of "Green" energy are not confused nor ignorant of the failures of wind/solar. So, what is the explanation? Allow Obama's Presidential Science Advisor to explain, John Holdren: ***"A massive campaign must be launched to..... de-devevelop the United States....redistribution of wealth....world government"*** *(see pg. 55)* ***No*** successful industrial nation can exist without a highly productive, efficient, reliable and affordable energy system. The substitution of wind and solar **will** de-develop the United States!

Make no mistake, this is a ruthless attack on America's heartland by power driven political elites, and radical ideologues determined to eliminate this nation's reliable and affordable energy systems. *(see: YouTube "Treason: Obama shuts down power plants coast to coast").* It is this energy system upon which we built the industrial manufacturing base that gave birth to the American middle class. Globalization has reduced American manufacturing jobs from 19.5 million in 1979 to 11.6 today. In 1978 manufacturing accounted for more than one out of every four jobs. In the 1950's it was more than one out of three, today it is less than one in ten *(or a little less than 10% which happens to be our current unemployment rate***). If the foundation of the middle class is eliminated can the middle class itself be far behind?**

It is the wealth and power of the American middle class that is the real target.
For the following I am indebted to The **Economic Collapse Blog**. After reading it, you can determine for yourself how well they are succeeding:

1. *Ten years ago, the United States was ranked number one in average wealth per adult. In 2010, the United States has fallen to seventh.*

2. *The United States once had the highest proportion of young adults with post-secondary degrees in the world. Today, the U.S. has fallen to 12th. Many of the technical programs in America's best Universities are dominated by foreign students.*

3. *In the 2009 "prosperity index" published by the Legatum Institute, the United States was ranked as just the ninth most prosperous country in the world. That was down five places from 2008.*

4 . *According to a new study conducted by Thompson Reuters, China could become the global leader in patent filings by next year.*

5. *The United States has lost approximately 42,400 factories since 2001. Approximately 75 percent of those factories employed at least 500 workers while they were still in operation.*

6. *The United States has lost a staggering 32 percent of its manufacturing jobs since the year 2000. As of the end of 2009, less than 12 million Americans worked in manufacturing. The last time that less than 12 million Americans were employed in manufacturing was in 1941.*

7. *Manufacturing employment in the U.S. computer industry is actually lower in 2010 than it was in 1975.*

8. *In 1959, manufacturing represented 28 percent of all U.S. economic output. In 2008, it represented only 11.5 percent.*

9. *The television manufacturing industry began in the United States. So how many televisions are manufactured in the United States today? According to Princeton economist Alan S. Blinder, the grand total is zero.*

11. *The U.S. trade deficit is running about 40 or 50 billion dollars a month in 2010. That means that by the end of the year approximately half a trillion dollars (or more) will have left the United States for good.*

12. *Between 2000 and 2009, America's trade deficit with China increased nearly 300 percent.*

13. *Today, the United States spends approximately $3.90 on Chinese goods for every $1 that China spends on goods from the United States.*

14. *According to a new study conducted by the Economic Policy Institute, if the U.S. trade deficit with China continues to increase at its current rate, the U.S. economy will lose over half a million jobs this year alone.*

15. *American 15-year-olds do not even rank in the top half of all advanced nations when it comes to math or science literacy.*

16. *The United States has the third worst poverty rate among the advanced nations tracked by the Organization for Economic Cooperation and Development.*

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"Texas has one of the strongest renewable energy standards in the country….And its wind energy has just taken off and been a huge economic boon to the state."

Barack Obama - June, 2009

Robert Bryce (MasterResource, August 24, 2009):

Texas Wind Power: Reality vs. Hype

Robert Bryce

Alas, the hype exceeds the reality. The Electric Reliability Council of Texas, the operator of the state's huge electric grid, has considered the "capacity factor" of wind — the ability of the generators to produce power at 100% of their maximum rated output – and placed wind's reliability at less than 9%. In a 2007 report, the grid operator, known as ERCOT, determined that just "8.7% of the installed wind capability can be counted on as dependable capacity during the peak demand period for the next year." It went on to say "Conventional generation must be available to provide the remaining capacity needed to meet forecast load and reserve requirements." Earlier this year, the grid operator re-affirmed its decision to use the 8.7% capacity factor.*

*In 2004 two major German studies determined that only 8% of installed wind capacity could be included when calculating overall system production capacity (E.On Netz Wind Report 2004).

Thus, Texas now has about 8,200 megawatts of installed wind power capacity. But ERCOT, in its forecasts for that summer's demand periods, when electricity use is the highest, was estimating that just 708 megawatts of the state's wind power capacity could actually be counted on as reliable. With total summer generation needs of 72,648 megawatts, that means that wind power was providing just 1% of Texas's total reliable generation portfolio. And ERCOT's projections show that wind will remain a nearly insignificant player in terms of reliable capacity through at least 2014, when the grid operator expects wind to provide about 1.2% of its needed generation.

Conclusion

The growth of windpower capacity in Texas is not the result of consumer choice and natural economics but mandates from the Texas legislature. And despite all the hype, the reality is that

the Lone Star State will continue to rely on the same fuels for power generation that it has relied upon for decades: natural gas, coal, and nuclear.

Robert Bryce's fourth book was issued in April, 2010:
"Power Hungry: The Myths of 'Green' Energy and the Real Fuels of the Future"

[11]Texas lists wind as providing 11% of installed power capacity with nuclear 6% and Coal 16%. In 2009 the actual power production was: wind - 5%, Nuclear - 13%, and coal - 39%. As you can see, in the real world, wind's value is halved while that of nuclear and coal is more than doubled. Worse yet, when we look at peak demand periods (hot summers and cold winters) we find that wind's 5% contribution drops to only **1%!** All across this nation, wind's peak production occurs when it is least needed! The baseline cost of power to ERCOT is $40 MWh. With the current subsidy structure wind is costing $35 MWh. **Without the subsidies the cost leaps to $85 MWh**. Texans have a $4 a month surcharge added to their electrical bills to pay for the grid expansion necessary to connect the wind farms in west Texas to the population centers hundreds of miles to the east. The new grid must be sized to carry the full name plate rating even though the average production is less than a third of that.

"What windswept madness hast thou green fools wrought?"

Quote from: KD Knoebel

The true test of Texas windpower came on Feb. 2, 2011[12]. Construction and updating of conventional power plants in Texas have taken a back seat in the subsidy rush for wind "farms" construction. The night of Feb 2 was unusually cold, clear and nearly windless. Two thirds of Texas homes are heated electrically; electrical demand spiked and set a Texas record. The increased demand resulted in several older conventional plants going off line and rolling blackouts resulted. So where was all that Texas wind power? Didn't happen! Nada! Zilch! No Mas'! Despite having an announced **11%** wind capacity ERCOT concluded that Wind power production contributed a remarkable **2%** to the grid. 10% of this was eaten up in transmission losses on the way to Austin. A frantic call was made to Mexico, where GE has been building gas turbine power plants ever since the wind craze took hold. It was 280 megawatts of Chicano power that prevented another Texas grid disaster.

This is one of several instances where wind generation failure in Texas has resulted in brown outs/blackouts and problems with the electrical grid. Blackouts are increasing likely when electrical power is needed during very cold or very hot weather. Conditions that typically correspond to little or no wind.

This is not a localized phenomena.

The following is excerpted from an article in www.windaction.org, Jan. 14, 2011:

Britain is becoming less windy,
raising doubts over Government's wind farm strategy

"There is a direct correlation between a lack of wind and cold weather. According to the Met Office, last month was the coldest December since records began a century ago. Last year as a whole was the coldest for 14 years. On the coldest days of last month, when the need for power was at its greatest, there was virtually no wind, Britain's 3500 wind turbines were largely idle and almost no electricity was generated by them."

"At 5.30pm on December 7, which National Grid says was the moment of the fourth-highest demand ever recorded in British history, wind contributed just 0.4 per cent of the country's electricity needs. The generation system coped – but it includes large numbers of old power stations that will soon be closing. In the future, under the far more wind-based system the Government wants to see, such levels of demand could turn out the lights. "If, as government plans, we place too much reliance on wind, the electricity system will come under considerable stress, with very high prices, and even unscheduled interruptions, blackouts in the layman's terms," said Dr Constable."

> *"To avoid power cuts if the Government does go ahead with a mass wind-turbine programme, it will also need to build large numbers of new coal, oil or nuclear power stations for backup when the wind is not blowing. The cost of providing so much duplicate capacity is expected to dramatically increase electricity prices, with potentially serious effects on consumers and the economy"* **Dr. Constable**

If you have been wondering what the future will look like in Obama's America, here is literally a chilling revelation from Steve Holliday, Chief Executive of Britain's National Grid. During a radio interview before a speech given on Monday, March 1, 2011 at the Royal Academy of Engineering he was pointedly asked how the U.K. would keep the lights on, given the government's plans of increasing wind power by six-fold**. Holliday warned U.K listeners that the era of constant electricity is ending.** *"Families will have to get used to only using power when it is available. We are going to change our own behavior, and consume it when it is available, and available cheaply !"* (Source: The Daily Telegraph, Mar. 2, 2011)

The Green hills of Scotland have been decimated since the Scottish government announced its determination to transform Scotland's windy highlands into the "Saudi Arabia of wind Power"

Green Scotland Relying On French Nuclear Power,

Dec 27, 2010, *news.scotsman.com* :

Jane Bradley - Last Monday and Tuesday Scotland's wind farms were unable to cope with the freezing weather conditions – grinding to a halt at a time when electricity demand peaked at one of the highest levels yet recorded. Output from major wind farms fell to as low as 2.5 per cent of maximum output. During the cold snap, the country was forced to rely on power

generated by French nuclear plants. Over the past ten days, when temperatures have plunged across Scotland , the average power generation from Britain's wind developments was just 10.75 percent.

Predictably, **the Scottish Government is opposed to nuclear power**[13], insisting no nuclear plants will be built in Scotland once Hunterston B in Ayrshire and Torness in East Lothian are decommissioned, in 2016 and 2023 respectively (these two plants currently supply 55% of Scotland's power[14])

This is reminiscent of California, which has steadfastly refused to sully their "Green" landscape with conventional "Dirty" power generation plants. Remaining "true to the cause" they have insisted that their power requirements will be met thru wind and solar installations. Predictably, 62%[15] of their power is now imported from Arizona's Palo Verde nuclear and Four Corners coal powered plants, and the Bonneville hydro system in the northwest. Of the three states most likely to collapse under their debts, California, (home to Nancy Pelosi) with its "Green" mandates and unsustainable social contracts, heads the list.

If anything can make the appalling efficiency and unreliability of wind look good, it is Solar. Thinking of "*going solar"*? A recent report by the Lawrence Berkeley National Laboratory found that the average cost of installed solar power is **$7.50 per watt**[16]. That is **75** times what the average American homeowner currently pays for conventionally produced electricity (**$0.10 per 1000 watts per hour)**.

The "Holy Grail" of photo voltaic is the creation of an economically viable cell that can simply generate enough energy during its expected life to replicate its' self! Like ethanol the product requires more energy to produce than can be derived from it. The negative return on ethanol has been known since the 1970's but, it is with us today as a result of an indestructible subsidy to benefit corn growers and alternative fuels producers. Again the loss is shifted to the taxpayers.

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So, what can we expect from a **"National Renewable Energy Standard"?** Let's take a closer look at the Ethanol subsidy program as it provides a well worn **GPS** *(Government Provided Subsidy)* road map.

Ethanol

"We know that corn ethanol has been the most successful alternative fuel we have ever developed. I've been a champion for ethanol. In just two years, the Renewable Fuel Standard, I helped pass, has sparked an historic expansion of ethanol production. It has helped displace foreign oil and strengthen our rural economy" *Barack Obama, Portsmouth, NH, October 08, 2007*

After the 1973 oil embargo, corn producing states began subsidizing Ethanol as a replacement for gasoline. The first federal program (1978), consisted of a tax emption for biofuels. In his 2007 State of the Union address, Bush called for the country to use 35 billion gallons of biofuel by 2020. He backed this up with the Energy Independence and Security Act of 2007. This mandates an increasing annual use until the consumption of 36,000,000,000,000 *(36 billion)* gallons of biofuel are reached in 2022. For 2011, the ethanol mandate is for 14 billion gallons.

Since the '07 economic collapse, gasoline consumption has declined and sales of ethanol have disappointed ethanol producers. In 2010, and earlier, gasoline contained 10% ethanol. In 2010, Growth Energy, an ethanol producer consortium *(read lobbyist)* petitioned the EPA for a 50% increase. This was granted and approved for automobiles produced **only in 2007 and later**. Fuel blenders must now include 15% ethanol.

Other than flex fuel vehicles, no gasoline powered vehicles on American highways today are designed or approved for more than the 10% ethanol blend. A Higher ethanol content risks serious permanent damage to hoses and major engine components *(as well as the transporting tanker trucks and fuel station equipment.* Especially affected are engine valves. (the ethanol deposits an ever increasing layer of "Gunk" on these - substantially reducing performance. *See: "Ethanol hobbles Baltimore Police Fleet"-by Kate Galbraith).* While, most automobile manufacturers' warranties reflect this, the EPA's evaluation focused on the emissions generated at the 15% level - **not mechanical compatibility**. The potential liability greatly concerned producers, distributors and fuel station operators. The solution: a bill was introduced and passed by Congress to transfer liability for damage caused by the 15% blend to the American taxpayer[17] *(ah, the power of lobbying!).*

Ethanol production had increased by 46% between 2006 and 2009[18]. Still, **No subsidy has ever been large enough.** Industry spokesmen and political representatives of the major ethanol producing states were highly disappointed with the new limited mandate. The problem was: approving only the 2007 and newer vehicles excluded two thirds of the autos on the highways today. Nebraska Senator Mike Johanns lambasted the Obama Administration for "foot-dragging" on what could have been a huge market expansion. "**Anything** we can do to create market opportunities for Wisconsin-made products is a good thing," said Joshua Morby of the Wisconsin Ethanol Coalition. Expect the 2001-2006 expansion to happen **sooner** than later.

In December last, Obama signed into law the latest chapter in the ethanol saga.

Extended for one year were:

1. **The 45 cents per gallon Volumetric Ethanol Excise Tax Credit (VEETC)** T*his was first instituted in 1978, under President Jimmy Carter A 2009 Congressional Budget Office (CBO) paper estimated that since its inception it has cost U.S tax payers $3 Billion in foregone revenues[19].*

   Note: A Nov. 2010 study by the economic consulting firm, Advanced Economic Solutions concluded that: "By maintaining VEETC during 2011, an additional .4 B gallons of ethanol would be produced at a taxpayer cost of **$15.45 per gallon"**. Nathaniel Greene of the Natural Resources Defense Council stated that extending the VEETC will increase employment in the ethanol industry by about two thousand people at a cost of $2.5 million per year !

2. **10 cents per gallon for the Small Ethanol Producer Credit**

3. **54 cents per gallon tariff on imported ethanol** – this exists because Brazil can produce more ethanol from sugar cane and export it to the U.S. for less than the cost of domestic production

The combined cost of these comes to around $6,000,000,000 *($6 billion).*

So what else does the ethanol subsidy program do for us?

- **Nobel prize winning chemist Paul J. Crutzen estimates that production of ethanol in the U.S. releases a quantity of nitrous oxide whose global warming effects are at least equal to and as much as 1.5 times the CO2 emissions saving attributed to the ethanol program[20].** Overall the production and distribution of ethanol emits more green house gases than for an equivalent amount of gasoline.

- A CBO study found that in 2008, the $4 billion ethanol program had only reduced gasoline consumption by 4% *(though gasoline contains 10% ethanol, the energy content of ethanol is approximately 1/2 that of gasoline)* and **reduced Green House Gas *(GHG)* emissions by less than 1%[21]** *(originally, ethanol was hyped as an alternate fuel, currently, GHG reduction is the announced justification for the program)*

- In the last decade corn production increased **11%** (8.6 million acres - *this artificially inflated the price of farm land in the corn belt*), while **spring and winter wheat fell a combined 13%** (4.8 million acres in 2009 alone), cotton fell by 28% and grain sorghum fell by 41%. The USDA estimates that this year's wheat crop will be the lowest since 1971. This year's corn production is expected to be the second largest in history[22].

- **The February report from the World Food Organization paints a grim picture: Estimates of global hunger suggest that 1.02 billion people were undernourished in 2009 – the highest number on record while Global food aid deliveries of 5.7 million metric tons in 2009 were the lowest since 1961. They credited this in part to biofuel production in the U.S. combined with lowered grain harvests around the world.**

- When the cultivation of grain crops is shifted to Asia and South America, rain forests, jungle, and grasslands are destroyed to create the needed acreage (often through "slash and burn" techniques). As native vegetation absorbs substantially more CO2 than cropland; this can actually result in a gain in CO2 levels. Perennial vegetation acts as a carbon sink that stores huge amounts of CO2. This is released slowly as plants die and decay slowly over time, but when burnt, the release is immediate[23]. Thus**, the Ethanol Subsidy Program eliminates a significant portion of the Earth's natural CO2 absorption ability**! Ethanol supporters in congress have consistently tried to prevent this from being considered whenever the program has been evaluated.

- In 2001, Cornell University professor David Pimental published an article in the Encyclopedia of Physical Sciences and Technology. His study concludes that **the production of Ethanol consumes 70% more energy than the finished product**

contains. Of the total energy contained in a gallon of ethanol, an amount equal to approx. 80% (of the 70%) is consumed at the ethanol plant *(ethanol plants are fueled by coal, oil, or natural gas).* Most of the remainder is lost in the farming phase. Some researchers have since argued that increased efficiencies in the production processes have shifted the energy balance to the positive. However, at this time, there is not a conclusive consensus to support this.

- **The blending of ethanol with gasoline reduces fuel efficiency** (more gasoline is required to travel the same distance – an additional expense borne by the consumer).

- A price jump in U.S. livestock markets paralleled the 2007 legislative boost in the ethanol mandate. Still the industry suffered: "…..**due mostly to high feed-grain prices, pork producers lost an average of $24 a hog and the industry lost nearly $6 billion."** Said Steve Meyers an Iowa economist in a National Pork Producers Council press release

- **The U.S. Ethanol subsidy for 2009 was $7.7 billion[24].**

- According to the environmental group: Friends of the Earth, **by 2022, U.S. biofuel subsidies will have totaled $400,000,000,000** ***(four hundred billion dollars)***.

- It appears that the U.S. Ethanol industry exported as much as 350 million gallons in 2010[25]. Not only is **the American taxpayer now subsidizing European consumers** but in doing so runs afoul of world trade organization rules. In an avaricious display of typical "Green" ethics, the industry claims it cannot survive without subsidy, demands import protection, then produces a substantial excess, which is then exported in violation of international trade agreements.

- The International food Policy Research Institute credits global biofuel production with **40%** of the rise in corn prices between 2000 and 2007.The World Bank Development Prospect Group concluded that **75%** of the price increases that occurred during the 2007/2008 food crisis *(corn prices rose by 50%)* was due to the U.S. and European Union biofuel programs. In the U.S., the CBO estimated that food prices rose 10-15 percent.

  Note: According to Bloomberg Business Week (Feb.7, 2011), the new ethanol mandate combined with disappointing world corn production in 2010 may be setting the stage for a replay of 2007/2008. The price of corn has soared 88% in the past 12 months, the highest since July of '08. The recent riots in Egypt and Algeria are due in part to this. The question now forming is: Will Obama continue his fraudulent promotion of ***"the most successful alternative fuel we've ever produced"*** **- while people starve?**

- Food price increases boost the consumer price index**,** which is used to calculate annual cost-of-living adjustments in benefits for such programs as Social Security, military and civilian retirement, and Supplemental Security Income. **The CBO estimated that Federal food programs for fiscal year 2009 cost an additional $600-$900 million as a result[26].**

- The United States Department of Agriculture estimated that**, in 2009, one third of U.S. corn cereal production went to biofuel – 107 million tons.** According to the Earth Policy Institute **this would have fed 330 million people** at avg. world consumption levels. *(Since 07-08 the U.S. export of corn has fallen close to 20%, while in the past decade the amount of corn allocated to ethanol has grown 700%).*

- An acre of farm land is required to produce 400 gallons of ethanol[27]. A single tank of ethanol requires more grain than an adult consumes in a year. **To produce 14 billion gallons of ethanol** *(the 2011 mandate)* **requires 35 million acres***, almost 1.5 times all the farm land in the state of Illinois. *(To produce all our electricity by wind (1 Meg turbines @25% efficiency, 60 acres per turbine) would require a gigantic wind farm three times the size of Illinois.*

  *This acreage figure is only for ethanol. The quota for combined biofuels is **35 billion gallons**. If production efficiencies are consistent, total farm land required would be on the order of **90 million acres** *(2.4 times).* This is close to **10% of all U.S. farm land[28] !**

- **To produce 14 billion gallons of Ethanol would require 6,289,000 trailers loaded with 5,614,875,000 bushels of corn. If each trailer is 48ft long and placed end to end, the train would stretch almost 2.5 times around the earth !**

- The agricorp giant Archer Daniels Midland, is the largest American producer of ethanol. The Cato institute estimates that **every dollar in ADM profit, costs the American taxpayer $30.00 in the form of rebates, subsidies and tax benefits.**

- "**The Gulf Dead Zone".** In 2010, at over 8,000 sq. mi[29], the dead zone was larger than the state of Mass. and the largest on record. Each year spring rains carry nitrate and phosphate fertilizers from Midwestern cornfields down the Mississippi river and into the Gulf of Mexico. These fertilizers generate massive algal blooms on the ocean surface that quickly die and sink to the ocean floor. Tiny microbes consume the algae and deplete the available oxygen causing other ocean floor dwellers to suffocate. Within the affected area, the entire ocean food chain is impacted. This reduces both the productivity and living standards of the gulf fishermen. The new Mandate can only amplify this !

The preceding effects occurred at the 10% Ethanol blend level. As the new Mandate is 50% larger, the damage is likely to increase an equivalent amount !

The U.S. Biofuel scam: A View From Abroad,

Caroline Boin, March 9,2010

"In private industry, when few to zero of one's stated objectives for a major project are achieved, while burning through an organization's resources, you are typically fired. But under the perverse incentive system of government, it's more likely one will receive a budget increase to implement new mandates to correct the previous failures.

(Caroline Boin is project director at the International Policy Network, London)

There is a reason underlying the award and infinite life of subsidies**:** any politician, approached by a subsidy promoter, knows that voting for a subsidy will ensure a hefty reelection contribution. When enacted a significant portion of the new subsidy will go towards the formation of a trade organization *(read lobbyist*)* whose job is to ensure the continuity and expansion of the program through even more and larger reelection donations *(in effect voting for a subsidy creates an ongoing source of reelection funds at taxpayer expense)* to an ever increasing list of politicians leading to an even larger trade group whose expanded goal is to……..ad infinitum! From the politicians' viewpoint the rapid expansion has a built in attraction: as the industry expands so does the number of people employed in it. These people add their support for the subsidy. Soon, fear of "adding thousands to the unemployment lines" becomes a primary justification for the subsidy !

*From 1998 to 2006, ExxonMobil alone spent more than **$80 million**[30] lobbying the federal government. The arrangement is accurately summed up by an old and enduring joke**: "The price of crude has dropped so low that ExxonMobil laid off 20 Congressmen and five Senators!"**

"Enough Horsepower and a bathtub will fly!"

Subsidies are multipliers.
The unshakeable law of subsidy is: "Whether it be widgets, deficits or outright failure,
A subsidy will guarantee more of it !" *Tom L.*

Subsidies, Rebates, Grants and Tax Incentives

("spreading the wealth around")

These are mistakenly thought to be generous government benefits without cost. The industries and governmental agencies who promote these schemes go to great lengths to perpetuate the myth. The marketing process is simple, effective and rarely varies: Exaggerate *(or create)* a desirable benefit and ignore *(conceal or deny)* the true cost and long term consequences.

Solar and wind rebate/grant/subsidy and tax credit programs are funded by:

1. **utility rate increases spread across the entire consumer base**
   (see "Cape Wind: Spreading the Pain", by Lisa Linowes),
2. **seemingly unrelated federal and state tax increases** (instituted to make up the shortfall)
3. **Debt** *(most insidious of all)*

Taxpayers will eventually see the promised benefit turned negative by increases in utility rates, taxes or as is currently the practice: lowered living standards as a consequence of devaluation of the U.S. dollar: **inflation** *(the dollar has devalued 67% in the past 20 years*[31]*)*. 62% of U.S. government operations are now funded thru **deficit spending**. In the month of February, the $23 billion dollars that was added to the national debt was the largest for a single month in the history of the United States The Congressional Budget Office predicts that deficits generated over the upcoming decade will **add** $15 trillion[32], to the **over** $14 trillion dollar existing debt.

Our gross domestic product (GDP) is $14.736 trillion[33] dollars giving us a debt to GDP ratio of 98.1%. Economists **Kenneth Rogoff** and **Carmen Reinhart** reported in January 2010 that above 90% of GDP, economies enter a **danger zone**. Of the 20 advanced countries studied they found that with a ratio of less than 60% of debt to GDP, annual growth rates of 3-4% were typical. Above 90%, growth rates plummeted to around 1.6%. *(the U.S. must expand its economy by 3% annually just to absorb immigrants and new workers")*

Decade	Debt (billions)	% of GDP	Compound % Increase
1930	16.2	Base Year	Base Year
1940	50.6	52.4	12%
1950	256.8	94.0	17%
1960	290.5	56.0	2%
1970	380.9	37.6	3%
1980	909.0	33.4	9%
1990	3,206.3	55.9	13%
2000	5,628.7	58.0	16%
2010 (est.)	14,456.3	98.1	19%

biggovernment.com

In December of 2010, **The National Commission on fiscal Responsibility and reform** issued its report. Following are excerpts from that report:

"Large debt will put America at risk by exposing it to foreign creditors. They currently own more than half our public debt, and the interest we pay them reduces our own standard of living. The single largest foreign holder of our debt is China, a nation that may not share our country's aspirations and strategic interests. In a worst-case scenario, investors could lose confidence that our nation is able or willing to repay its loans – possibly triggering a debt crisis that would force the government to implement the most stringent of austerity measures.....By 2025 revenue will be able to finance only interest payments, Medicare, Medicaid, and Social Security. Every other federal government activity – from national defense and homeland security to transportation and energy – will have to be paid for with ***borrowed money****. Debt held by the public will outstrip the entire American economy, growing to as much as 185 percent of GDP by 2035."*[34]

~

"The fact that we are here today to debate raising America's debt limit is a sign of leadership failure. It is a sign that the US Government cannot pay its own bills. It is a sign that we now depend on ongoing financial assistance from foreign countries to finance our Government's reckless fiscal policies. Increasing America 's debt weakens us domestically and internationally. Leadership means that "the buck stops here".... America has a debt problem and a failure of leadership. Americans deserve better."

Senator Barack H. Obama, March 2006

Yes, Mr. President we certainly do!

The 2010 Congressional campaign rhetoric was dominated by which party could be trusted to restore the economy, eliminate the national debt, and foster party cooperation. Immediately thereafter a "lame duck" Congress, in an outstanding example of bi-partisan cooperation announced their solution to "all the above": **Increase the deficit by nearly $ 9 billion*!***

I am reminded of Athens. Their military and economy in tatters, and, on the verge of losing the Peloponnesian War - Athens voted to expand the war ! Sparta triumphed and Athens ceased to be a military, economic or cultural power (Thus, ended the Golden Age of Greece).

For one nation to attack another's monetary system with the intention of causing a collapse of that nation's economy is an act of war. When an organization or individual within a nation, embraces, promotes and enables an agenda with full knowledge that the end result is destruction of that nation's monetary system this is defined as seditious and traitorous ***(or an example of bi-partisan cooperation)!***

Tom Lahman

As of Nov. 2010, China holds $896 Billion of the total $4,346,000,000,000 ($4.3 Trillion) U.S. debt held by foreign governments[35]. Upon buying U.S. treasury notes, China becomes both the manufacturer of the "Green" energy components and the financier of the purchase. Both the purchase price and the interest on the treasury notes are capital that is removed from the U.S. economy and further expand the nation's trade deficit. As stated previously both ultimately lower American living standards. This is another of the hidden costs that are never mentioned by the promoters of "Green" energy rebates and subsidies.

In the Obama stimulus bill; billions of borrowed dollars were allocated to subsidize the construction of wind farms. **A report by the Investigative Reporting Workshop found that 83% of this went to foreign corporations.** The investigation found that about 6,000 jobs had been created overseas and maybe a couple of hundred here in the U.S[36].

In Obama's promotion of the "Stimulus Bill" he had guaranteed job creation and elimination of unemployment in order to "sugar coat" the massive debt the bill would generate. After the report revealed the truth, "Spin Doctors" were assigned to tackle damage control:

- Matt Rogers is Energy Secretary Steven Chu's senior advisor on the stimulus program*: "If you take a look at where the jobs are – the jobs are in the United States. Every dollar from the recovery act is going to create jobs for American workers here in the United States."*

  Interview with ABC News, Feb. 8,2010

See also: "Salazar's revelation" in the **Jobs** section of this paper, Deval Patrick's spin on pg. 28 and Obama's Labor Secretary Hilda Solis's delusion on pg. 31. Also: definition of **prevarication.**

From an article by *biggovernment.com* :"**America's Deficit Spending Addiction",** Jun 6, 2010:

"Passage of the $787 billion American Recovery and Reinvestment Act (ARRA) was trumpeted as the silver bullet to save the economy and create 3.5 million jobs. The Administration estimated that although ***each job would cost taxpayers $92,136****, the resulting increase in gross domestic product of $105,000 would more than pay for the cost. But a referral to "Recovery.Com", the official U.S. government web site regarding ARRA "funded jobs", states that only 681,825 jobs have been funded so far and at a cost of $117,933 each. Given that the average American working in the private sector makes only $36,400 per year,* ***it would take the equivalent of 3.24 full-time workers taxed at 100% of their annual income to pay for one make work job."***

"The U.S. Federal Reserve in their April meeting continued to predict that unemployment will fall to 9.3% this year and 8.2% in 2011. In order to achieve this reduction, the U.S. economy would need to add 385,000 jobs each month through December of this year and 323,000 each month next year. With the trend of initial jobless claims running above the 400,000 level where the economy starts to add net jobs, these numbers seem psychotic."

The Great Wind "Farm" Subsidy Race

Who got what:

- Spanish wind giant Iberdrola collected the most in '09 - $577 million. The company projected another $430 million in 2010. In total, Spanish companies have collected $708 million[36].
- Horizon-EDPR *(**Portuguese**)* $277.5 million[37]
- AWEA statistics show FPL/NextEra (Florida Power and Light - **U.S.**) owning the most U.S. wind plant capacity, followed by Iberdrola *(**Spain**),* and Horizon/EDPR *(**Portugal)***

  Note: China's announced intention is to displace all three. As we are at only 2.5% penetration (double entendre intended) and Obama's goal is 20% there is ample time for China to succeed.

On December 17 U.S. Energy Secretary Steven Chu announced that a **$1.3 billion** DOE loan guarantee had been approved for developers of the Caithness Shepherds flat wind "farm" in Oregon[38]. This is the largest Doe loan in the history of the program and will go towards the purchase and installation of 338 G.E. wind turbines **(made in China).** The developer, N.Y. based

Caithness Energy, will qualify for a 1603 grant of about **$420 million**. A portion of this will fund the developer's "Hush Money" program. Caithness is paying **$5,000**[39] each to local residents who sign a contract agreeing not to complain. They have reason to complain: besides enduring environmental destruction and property devaluation, the noise levels are expected to exceed allowable limits. Then, to add *"insult to injury"***:** whatever power is produced, will be sent to California ! (Google: **"**Wind bargaining**:** Patient homeowners"...Dec 26, 2010, *www.wind-watch.org)*

It is expected that the single largest 1603 payout will go to **China's Shenyang Power Group** for a **$1.5 billion Texas wind "farm" covering 36,000 acres**[40]. The turbines and other components will be manufactured in China. According to the New York Times: the project will generate 3000 jobs in **China** and about 330 in the U.S. – **30 of these permanent** ! The **$450 million 1603 grant** will be accompanied by a Dept. Of Energy backed loan.

Wind farm	**Location**	**Amount**	**Developer**	**Turbine Mfg.**
Meadow Lake I,II,III,IIV	Ind**.**	**$276,000,000**	Horizon-***Portuguese***	Vestas-***Denmark***
Penascal I,II	Tex	**$222,000,000**	Mitsubishi-***Japan***	Mitsubishi-***Japan***
Windy Flats	Wa.	**$218,000,000**	Cannon-US	Siemons-***Germany***
Pattern Gulf	Tex**.**	**$178,000,000**	Babcock & Brown – ***Aus***	G.E.-***China***
Blackstone I,II	Ill.	**$171,000,000**	EDPR-***Portugal***	G.E.-***china***
Streator-Cayuga	Ill.	**$170,000,000**	Iberdrola-***Spain***	Gamesa-***Portugal***
E.on Climate	Tex.	**$122,000,000**	E.on-***Germany***	GE-***China***
Milford	Utah	**$120,000,000**	First wind-***china***	G.E.-***China***
Papalote Creek	Tex	**$117,000,000**	E.on-***Germany***	Vestas-***Denmark***
Penascal	Tex.	***$114,000,000***	Iberdrola-***Spain***	Mitsubishi-***Japan***
Meadow Lake	Ind.	**$114,000,000**	EDPR-***Portugal***	Vestas-***Denmark***
Panther Creek	Tex	**$107,000,000**	E.on-***German***	G.E-***China.***
Northern Colorado	Col.	**$100,000,000**	FPL/NextEra-U.S.	Siemens-***Germany***
Inadale	Tex.	**$94,000,000**	E.on-***German***	Mitsubishi-***Japan***
Barton	Ia**.**	**$93,000,000**	Iberdrola-***Spain***	Gamesa- ***China***
Bull Creek	Tex	**$91,000,000**	Eurus-***Japan***	Mitsubishi-***Japan***
*(This was an international potpourri. The developer was Eurus America (**Japanese**) who hired RES America (**British**) as the construction contractor, then EnXco (**French**) to operate it)*				
No Trees	Tex**.**	**$90,000,000**	Duke Energy-U.S.	G.E.-***China***

Farmers City	Mo.	**$84,000,000**	Iberdrola-***Spain***	Gamesa-***China***
Langford	Tex	**$84,000,000**	Enel-***Italy***	G.E.-***China***
Barton Chapel	Tex.	**$73,000,000**	Iberdrola-***Spain***	Gamesa-***Spain***
Rugby	N.D.	**$73,000,000**	Iberdrola-***Spain***	Suzlon-***India***
Hoosier	Ind.	**$70,000,000**	Inexco-***France***	Repower-***India***
Ecogrove	Ill.	**$68,000,000**	Acciona-***Spain***	Acciona-***Spain***
Natur Uner	Mt.	**$62,000,000**	Accionia-***Spain***	Accionia-***Spain***
Rail Splitter	Ill.	**$61,000,000**	EDPR-***Portugal***	Edpr-***Germany***
Harvest	Wa.	**$61,000,000**	Res-***U.K.***	Siemens-***Germany***
Locust Ridge	Pa.	**$59,000,000**	Iberdrola-***Spain***	Gamesa-***Portugal***
Blackstone	Ill.	**$55,000,000**	Edpr-***Portugal***	G.E.-***China***
Stateline II	Or.	**$55,000,000**	FPL/NextEra.	Vestas-**Denmark**
Elk City	Ok.	**$52,000,000**	Acciona-***Spain***	Acciona-***Spain***
Dry lake	Ariz	**$31,000,000**	Iberdrola-***Spain***	Suzlon-***India***

.

$3,285,000,000

($3 billion,285 million dollars!)

The total payout under the 1603 program comes to**: $5,794,909,000** ***($5 billion,795 million)***. 85% of this went to the wind industry **: $4,926,000,000**. According to the American wind Energy Assoc., wind currently produces 2.5% of the U.S electrical requirements. Obama's stated goal is 20%. To meet that we need to increase that figure 8 times = **$39,680,000,000**. As this figure is only the 30% direct 1603 pay out from the U.S. treasury we are still short 70%. 3.3 x **$39,680,000,000 = $130,944,000,000.** To this we must add the estimated **$200 billion transmission line cost**[41] to connect to the grid: total = **$330,944,000,000 ($330 billion, 944 million)** for an unnecessary, inefficient, unreliable, environmental damaging, and land devouring wind power boondoggle. Actually, this figure is modest to the point of being of only marginally value:

Other substantial costs:

1) Increases in consumer electrical rates

2) Loss of industry and jobs Those companies dependant on interstate commerce or who compete in the global economy will find that they cannot compete with producers not saddled with the same crushing energy costs *(this is exactly what happened to Acerinox, Spain's largest*

producer of stainless steel[42]*).* In order to survive, they will be forced to relocate - *taking employment with them.* If you substitute the term "Energy Costs" for "Labor Costs" you can replay the same scenario that created that "Giant Sucking Sound" of American industry heading to Mexico. This time, unemployed Americans will have been displaced by low cost Asian energy and even lower cost Asian workers

3) State and local grants, rebates, tax incentives

4) Loss of capital from the U.S. economy to foreign corporations

5) The 5-year Double Declining Balance Accelerated Depreciation tax shelter. See: "Dear Virginia: Beware of a Windpower Racket in Your State" by Glenn Schleede – MasterResource. *(Mr. Schleede served as assoc. Director of the Office of Management and Budget under President Ronald Reagan)*

6) Federal production tax credit of 2.1 cents per kWh for ten years ***(****Instituted in 1992 under George H.W. Bush)* At 2.1 cents per kWh x 20% of the current U.S. power consumption this equates to **$17,640,000,000** a year *($17 billion, 640 million).* The ten year total is **$176 billion, 400 million** ! In less than nine years the tax credit alone totally offsets the wind industry's construction costs *(including lobbyist fees and reelection contributions).* Adding this to the previous total of **$230,944,000,000** would bring the taxpayer bill to **$407,344,000,000 ($407 billion, 44 million dollars).**

According to the Bureau of Labor Statistics the current civilian labor workforce is 154 million**. In the end the federal government will have borrowed and added an additional $2,645 to the current $91,000 that each and every working American now owes to the national debt! And this, for the privilege of paying a tripled monthly electrical bill.** *(I wonder how immigrants would feel about raising their hands if they were made aware that in doing so they are agreeing to pay the United States government $91,000 dollars?)*

~

Obama's 2011 budget called for the elimination of the $4 billion in annual oil and gas subsidies. He wants these added to the $18.2 billion the U.S. already spends on "Green" subsidies. I will not defend any subsidy yet, this is an excellent example of lopsided "Green" rhetoric.

A few relevant facts:

- According to the EIA solar is subsidized $24.34 per MWh, wind $23.36, coal 44 cents
- Onshore wind production costs 1.5 times that of coal, Offshore wind = 1.9 times, Photo Voltaic solar = 4 times, and advanced nuclear 1.2 times that of coal (see pg. 2).
- Solar is federally subsidized at 5.6 times that of coal; wind: 5.3 times, and nuclear: 1.7 times that of coal
- The U.S. in 2009 allocated a total of $25 billion[43] to energy subsidies. 60% ($11 billion[44]) of this went to "renewable" energies that produced less than **4%**[44] of this nation's power.

Each green kWh of electricity costs American taxpayers $.025 in subsidies. For natural gas the same kWh costs $.00025 or 1% ! (The avg. KWh cost in the U.S. is ten cents)

- Between 1981 and 2008 the "fossil" fuels industry has paid to the federal and state governments: $388 billion in income taxes and $472 billion in severance and windfall taxes. Additionally there has been $1.1 trillion collected in excise and sales taxes on petroleum products.[45] The renewable industry has produced a net drain on the U.S.Treasury.

Consider **Florida Power and Light *(FPL/NextEra):*** This is the single largest player in the American wind industry as well as the industry's largest American recipient of Federal largess. A Bloomberg Business report dated Jan. 5, 2011 states that last year **FPL paid 1.3% taxes on total earnings of more than $2 billion** *(it appears that FPL didn't pay any in 2002-2003)***.** FPL is not unique: Last summer a report by the General Accounting Office revealed that from 1998 to 2005, 55% of major American corporations had at least one year in which they paid no federal taxes. *(while the official corporate tax rate is at 35%, and one of the highest in the industrialized world, the effective rate is much less than this due to the fact that few ever pay at that rate. For the entire S & P 500 the overall corporate average is 26%) For the years 2000-2007 GE paid an avg. of 11.5 %. In 2009 GE not only paid nothing but realized a $1.1 billion dollar tax benefit for abandoning U.S. operations.*

Energy Secretary Steven Chu Stated on his face book page that the purpose of the grant program is: "ensuring America leads the world in creating jobs in manufacturing the parts that go into wind "farms". **Steven Chu is another wind industry "Snake Oil Salesman":**

The only reasons that industrial wind "farms" exist today are the tax write-offs, subsidies and green mandates that make it profitable to build and operate them - Even when there is not enough wind to power them - *a sort of "bottom-up" welfare program for foreign corporations – or, if you prefer:*

"*Spreading The Wealth Around*"

Tom L.

China

Economics and global warming

Through deficit spending, borrowing, and sacrificial trade agreements the federal government has weakened the United States to the point where virtually no action on the national level can be taken without considering the impact on U.S./China relations. In effect we are no longer an independent sovereign nation!

Besides producing 95% of the world's consumer electronics, **China is also the largest manufacturer of solar cells**; these are then shipped around the world for assembly into solar

panels. The production process for solar cells is so polluting that the cost of meeting EPA regulations effectively prohibit their manufacture in the U.S[46].

Most of the world's wind turbines are Manufactured in China. China's position is supported by a substantial advantage: China is virtually the world's only source of rare earths from which neodymium magnets are created. These magnets are essential to the construction of the most efficient, lightest weight, wind turbines. About 700 pounds of neodymium magnets are required per megawatt of generating capacity[47]. In February, China announced that it was reducing rare earth exports by 35%[48], and that soon it will cease neodymium exports entirely. Thereafter, anyone manufacturing a product requiring neodymium will have to produce it in China. This is the likely explanation as to why last year GM shifted management for all overseas operations from Detroit to Shanghai.

Note: *to achieve Obama's "20% by 2015" goal would require 140 million pounds of these magnets. The est.* ***world*** *production for neodymium in 2014 is about 80,000,000 lb[49]. Assuming that China really, really, likes us and is willing to divert* ***10%*** *of this each year for the Obama National wind "farm", the 17 years It would take to accumulate enough neodymium would bring us to 2029! In Obama's 2011 state of the union address the new goal is* ***80% by 2030****. Even if somehow we managed to double our supply, it would still take 34 years, putting us about the year 2044 – 14 years behind schedule ! Don't forget that the life expectancy of the turbines is only 20 years[50], so, a large per centage of those built prior to 2024 would have to be replaced during the project.*

> ***"This may indeed be the new model for the future - but only if you believe that a combination of smoke, mirrors, and prohibitively high utility rates are the key to our economic and environmental salvation"***
>
> *Thomas J. Pyle, president of the Institute for Energy Research.*

China is the **only** source of dysprosium from which heat resistant magnets critical to military applications and electrical vehicles such as the GM Volt *(I contacted GM concerning production of the Volt in China. The sidestepping, "non-answer" I got reminded me a lot of trying to pin a wind energy spokesman down on production figures).* Other notable uses of rare earth metals are energy efficient lighting, computer hard drives, air bags, anti-lock brakes, cell phone speakers, pollution control systems, and military guidance systems *(missiles, smart bombs etc.)*

> **China possesses 95% of the world's neodymium, no EPA, an immense labor force willing to work for less than a $1.00 an hour, and a robust economy financed with the world's largest sovereign reserves.**
>
> **The idea that the United States, with a $14 trillion deficit, an emasculated economy, and the liability of a dysfunctional and destructive government, is going to challenge China for leadership in wind and solar technology is suspect or, at best, indicates a serious intellectual deficit. It might be amusing, were it not for the economic, energy system, and ecological damage this nation will endure.** *Tom L.*

The only other significant source of neodymium is a mine in Australia. There is in California a rare earth mine that is just reopening. The mining and processing of rare earths is another ecological nightmare that keeps the EPA up at night. It is estimated that simply meeting EPA demands will cost from $1-2 million every year *(a burden that amuses China)*[51]*. (Google: "*In China, the true cost of Britain's clean, green wind power", Jan 29, 2011, *www.dailymail.co.uk)*

~

China and Pollution

Global Warming Theory - more specifically**, "Draconian" reduction of human caused "Green House" gases is the foundation on which "Green" energy extremism is built.** Any meaningful goal of reducing emissions must consider China.

China is the most polluting nation on earth. Nearly half of China's most important rivers and streams are so polluted that they are dangerous for drinking, cooking or bathing, some even for irrigation![51] If tomorrow the U.S. managed to achieve zero emissions, that achievement would be swamped under china's output.

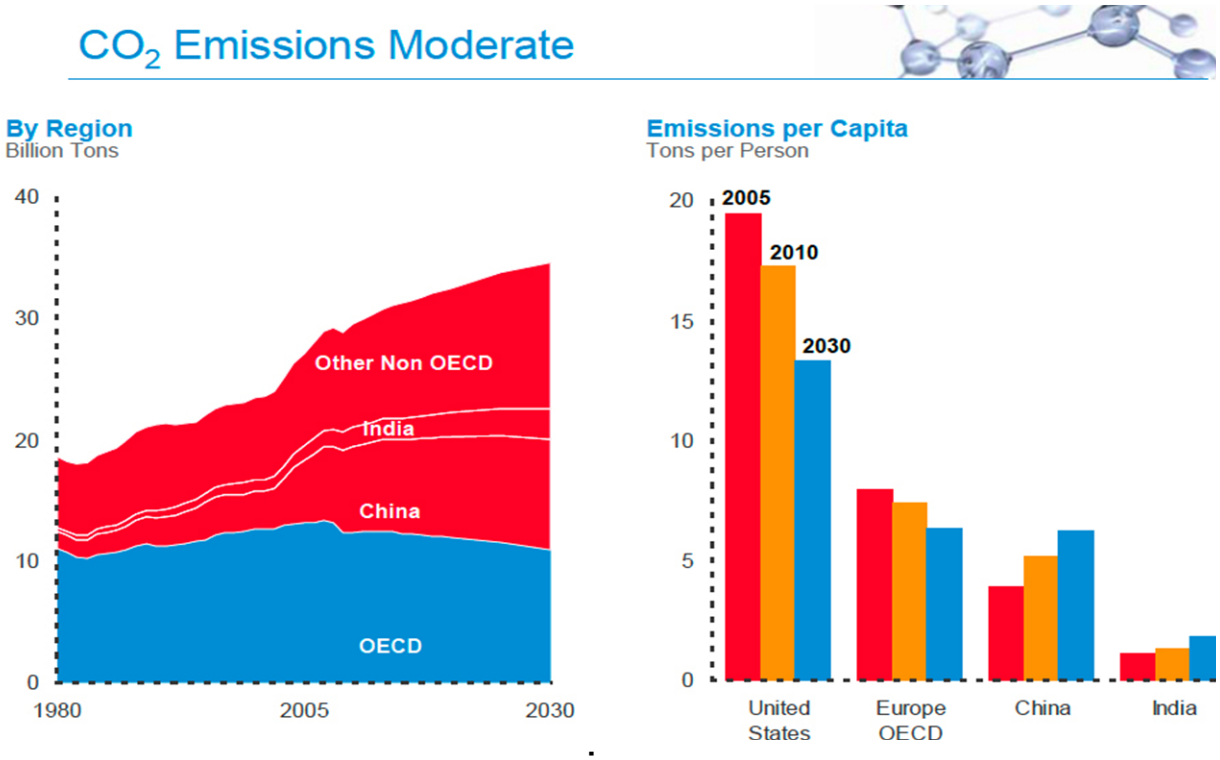
The following are from: ***"****The Last Empire****: China's Pollution Problem Goes Global",*** Mother Jones**,** Dec 10, 2007

- ***Half of China's population-600 to 700 million people-drinks water contaminated with human and animal waste. A billion tons of untreated sewage is dumped into the Yangtze each year.***
- ***In 2005, China's sulfur-dioxide emissions were nearly twice those of the United States. Acid rain now affects 1/3 of China's land.***
- ***Each year, at least 400,000 Chinese die prematurely of air-pollution-linked respiratory illnesses or diseases. (100,000 from water related pollution)***[52]
- ***Of the world's 20 most polluted cities, 16 are in China.***
- ***Currently, up to 36 percent of man-made mercury emissions settling on America originated in Asia.***
- ***4/5 of China's rivers are too polluted to support fish.***
- ***More than 3/4 of China's forests have disappeared; 1/4 of the country's land mass is now desert. Dust storms used to occur once a year. Now, they happen at least 20 times a year.***
- ***In 2001, a huge Chinese storm dumped 50,000 metric tons of dust on the United States. That's 2.5 times as much as what U.S. sources produce in a typical day.***
- ***Particulate matter from Asia accounts for nearly half of California's annual pollution limit.***

Kenneth Green:

> *"Looking back 300 years from now, the initial pulse of GHGs from the developed world will pale in comparison to the titanic flux of GHGs (and other conventional and water pollutants) that the developing world will emit as it develops.*
>
> *And, unlike the developed world, which largely completed development before there was even a small understanding of the risk of climate change or air pollution, the developing world is polluting with the full knowledge that their emissions can cause environmental damage, harm existing populations, and burden future generations."*

The ExxonMobil 2010 energy outlook book reinforces Kenneth Green's prediction



China and Export Emissions

The official position of U.K. department of Energy and Climate Change is that green house gas emissions have declined by about 22% since 1990. The Government's chief environmental scientist, Professor Bob Watson, disagrees: *"At face value UK emissions look like they have decreased since 1990. But if you take in carbon embedded in our imports, our emissions have gone up about 12%*[53]*"* *(The Stockholm Environment Institute places the increase at 20%).* While Britain feels good about curbing its green house gas emissions (in large part this is due to deindustrialization), in reality they, like the U.S, have simply transferred the carbon generated during the manufacture of goods consumed by their citizens to the most polluting factories on

Earth. These goods are then loaded on diesel powered ships and sent half way around the world. If Britain and the U.S. had continued the manufacture of those goods under emissions reducing regulations, both their national economies and the world's environment would be better off today. The irony and hypocrisy is that now the reverse is true.

A recent United Nations study has concluded that pollutants from shipping are almost three times higher than previously believed. CO2 emissions under current shipping growth are expected to increase 30% in the next decade. Sulphur and soot emissions, which are linked to lung cancers, acid rain and respiratory problems are expected to rise almost as much. The report credits shipping with almost 5% of worldwide CO2 emissions. The Aviation Industry, which has received the most attention, generates just over half as much[55]. (the yearly amount of CO2 emitted by a single Boeing 747 greatly exceeds the CO2 displaced by a 50-60 mega watt wind "farm")[54]

In 2008, research published in the scientific journal Geophysical Research Letters[56] concludes that about a third of carbon emissions generated by China between 2002-2005 were the result of its export industries. While more recent research has shown a smaller percentage, it is due to increased manufacturing for internal consumption. The overall volume of emissions due to exports is even larger now than before. The consumer nations cannot escape responsibility any more than a drug addict can deny the part he plays in supporting the illegal drug industry.

Following are excerpts from a 2009 Heritage Foundation report authored by Derek Scissors

(*Note that the simple text boxes contain my comments. Tom L.)*

- **China leads the world in raw spending on "Green Energy."**
- **China also leads in coal production and consumption**. In 2000, China's official figure for coal output was 880 **million** tons and dropping: in 2008, it was 2.62 **billion** tons and still climbing. China's share of world coal use: over 40 percent and climbing.

[China's coal use exceeds that of the U.S., Europe and Japan combined. Still, Chinese coal production is insufficient and it imports a substantial amount. According to the DOE, China is the world's largest steel and iron producer and *almost half of china's coal consumption, powers this industry while the greater portion goes to power production. Tom L.]*

- **Many of China's wind farms aren't connected to the grid.**

China's high regard for Wind Energy is best exemplified by this statement from Hu Xueha, the Deputy Chief Engineer of China's Power Grid Research Institute: ***"Because wind energy is unstable, it is a pollutant and affects the safety of the power grid."***

Note: It appears the China's primary objective has been to gain expertise in design, development, and construction in the wind farm export industry - an industry that China is intent upon dominating**.** Last year Chinese wind turbine manufacturer Sinovel and the Ming Yang Wind Power Group *(wind "farm" developer)* Were Listed On The New York Stock Exchange; offering public stock through Morgan Stanley investment brokers *(China owns10% of Morgan Stanley).* Tom L.

- **Diversification from coal has failed and will continue to fail.** Coal now provides 70 percent of the PRC's energy and almost 80 percent of its electricity *(compared to about*

41% for the U.S. Tom L.). These shares may barely shift for decades to come. And while the PRC has a much-touted goal of 15 percent of energy from renewables, U.S. government projections have the proportion of Chinese electricity generated by coal remaining at 75 percent in 2030.

- The resulting figures are ugly: The PRC's coal-fired power capacity is set to increase from 350 gigawatts at the start of 2006 to 950 gigawatts at the end of 2030 *(the U.S. produces about a 1000 gigawatts. Tom L.).* In 2006, coal use in China's electricity sector was 20 percent higher than in America's electricity sector**. In 2030, coal use in China's electricity sector is forecast to be 135 percent higher than in America's electricity sector**.
- David Mohler, Duke Energy's chief technology officer**:**

> ***"China is preparing, by 2025, for 350 million people to live in cities that don't exist now, They have to build…almost as much added capacity as the entire U.S. grid by 2025. It took us 120 years!"***

- Even taking into consideration the planned retirement of outdated plants and their replacement with new, somewhat cleaner versions, use of coal will have a predictable effect on greenhouse gases. *[only about 60% of new plants are of high efficiency design. Tom L.]* Prior to the recent financial crisis, the PRC's carbon emissions were almost 15 percent larger than America's and pulling away. A year after the global financial shock, Credit Lyonnaise has forecast that ***China alone will generate 63 percent of the world's emissions increase over the next decade.***

- **It is unreasonable to expect the PRC to follow the U.S. on climate change**. The PRC's existing and anticipated coal dependence dwarfs America's. Moreover, China has steadfastly avoided the Western European cap-and-trade experiment *(wisely so, as **the EU has failed to cut emissions while harming its economy.** Tom L.).* That China will follow an American lead in cutting greenhouse gases flies in the face of all available evidence

- Such data prompted Environmental Protection Agency ***(EPA)*** Administrator Lisa Jackson to note that ***"U.S. action alone will not impact world CO2 levels."***

> ***Absent a technological breakthrough, the only way to contain greenhouse gases is to drastically alter Chinese coal use. Unilateral American action to contain the level of greenhouse gases is essentially useless. Even if the U.S. is willing to pay the economic costs, unilateral American action will not work.***

- **If greenhouse gas emissions are to be treated as a serious threat, research must be concentrated almost exclusively on carbon capture and technology aimed to cut emissions from coal, not turned into a green energy boondoggle.**

Derek Scissors, Ph.D., is a Research Fellow in Asia Economic Policy at the Heritage Foundation

From the Dec., 2010 edition of the Atlantic Magazine: **"Dirty Coal, Clean Future".** The author is James Fallows and he reinforces Dr. Fellows' conclusion. **James Fallows:**

> ***"…the only serious limit on how fast Chinese power companies can increase their use of coal is the capacity of the country's transportation system. Right now railroads are at capacity, you have entire highways being blocked with coal trucks, and the problems cascade. Part of the reason China has committed some $80 billion over the next decade to build light-rail networks across the country is to get human passengers off the main rail lines and opening up more capacity to move coal."***

More*: "Overall, coal-burning power plants provide nearly half (about 46 percent this year) of the electricity consumed in the United States. For the record: natural gas supplies another 23 percent, nuclear power about 20 percent, hydroelectric power about 7 per cent, and everything else the remaining 4 or 5 percent. The small size of the "everything else" total is worth noting; even if it doubles or triples, the solutions we often hear the most about won't come close to meeting total demand."*

In his book Power Hungry, Bryce describes a visit to a single coal mine, the Cardinal Mine in western Kentucky, whose daily output supports three-quarters as much electricity generation as all the solar and wind facilities in the United States combined. David MacKay, of the physics department at Cambridge University in England, has compiled an encyclopedia of such energy-related comparisons, which is available for free download (under the misleadingly lowbrow title Sustainable Energy—Without the Hot Air).

***James Fallows** has been a national correspondent for The Atlantic for 25 years and is a former speechwriter for President Jimmy Carter*

Obama has an announced goal of eliminating the coal power plant industry. So what happens to the American coal mining industry if he succeeds? China has about 14% of the world coal reserves yet consumes about 47% of world coal production. They are a net importer, mostly from Australia but with a growing amount from the U.S. As suppression of coal consumption accelerates in the U.S. and Europe, U.S. coal production will simply shift to supplying the factories of China, India and other Asian markets.

Recently ports throughout the Northwest have received a spike in inquiries regarding coal export capabilities. Last year, Kinder-Morgan one of America's largest coal mining corporations announced that it had received environmental approval for the yearly export of 2.5 million tons of coal through the port of Longview on the Columbia river. A subsidiary of Australia's Ambre Energy is planning for a facility at Longview capable of handling 5.7 million tons with a long term goal for as much as 80 million tons. The majority of this is to come from coal mines in Wyoming and Montana[557].

The **hypocrisy** here reveals the lie of Green House Gas Abatement as a justification for elimination of coal consumption. America's coal is to be exported to feed power plants in the most polluting countries on earth and with the end result of a net increase in CO^2, mercury etc. emissions. **The intent is clearly to destroy America's self sufficiency** *(de-development*), **export our resources and force reliance on developing third world manufacturers?**

> ***History is full of examples where tremendous profits have been extracted from a gullible public by generating the belief in a devastating prediction - in order to sell a very expensive solution; or worse, fulfill a desire for power and political control.***
>
> *Tom Lahman*

CO2 Displacement

The Theory: *"Nitrous oxides, Methane,CO_2, etc. are "Green house" Gases (GHG). Anthropogenic (human caused) "Green House" Gases are causing global warming"*

"The great masses of the people will more easily fall victims to a big lie than a small one"

Adolf Hitler

The theory of Anthropogenic Global Warming is the foundation for the "Green Agenda". This paper is about the politics, perceptions, and responses to the theory. For an informative primer and overview I suggest the website: www.isthereglobalwarming.com. The writings of Kenneth Green and John Droz on the subject are excellent. The website, Master Resource, is the ultimate resource on this and every energy issue.

Federal subsidies aren't based on CO2 displacement. There is a very good reason for this**:** the entire industry would collapse overnight! All independent scientific research, to date, concludes that ***wind power makes only a trivial reduction of CO2!*** The definitive study on this concluded that at best the savings is no more than 3% *(power engineer Peter Lang)*. This is primarily because wind power, when integrated in to the grid, displaces the next most expensive fuel: this is natural gas – not coal. There is not one instance where wind energy has replaced a coal burning facility and as long as the laws of physics and sound economic judgment prevails – never will be ! *(The last half of that statement is the wild card at play here - "green Scheme" promoters have demonstrated an appalling willingness to sacrifice our economy and, literally risk this nation in order to institute their agenda)*

Note: *Automobiles create approx. 23% of U.S. CO2 emissions. Ironically this is due in part to the Catalytic Converter[58]. The Catalytic Converter, converts about 90% of carbon monoxide, Hydrocarbons, and nitrous oxides into CO2. Effectively* ***the Catalytic Converter functions as a CO2 generator and is required by federal law to be installed on every new car since 1981.***

While natural gas is what wind energy displaces in the grid, the wind industry's figures given for "tons of green house gases displaced" are for an equivalent amount of electricity generated by burning coal – **not natural gas**. Natural gas is the cleanest fuel used in electrical production *(ignoring nuclear)* and currently there is so much of it out there, that, in energy circles this has been declared the century of natural gas. **For a miniscule CO2 reduction of 3% we will pay *(as Europe does)* tripled utility costs**. Did I mention that even if tomorrow this nation were to achieve zero "green house gas" emissions, the accomplishment would be buried by China who has no qualms about building coal burning power plants at a torrid pace *(less than 15%[59] of China's coal plants are equipped with "scrubbers").*

The University of Washington has determined that a significant percentage of Seattle's air pollution comes from China[60] – A 2008 article in Science Daily put the figure at almost **12%[60]** ! As this figure continues to climb, western states, will fail to meet EPA standards and tougher regulations will be instituted which ultimately must also fail. The burden of complying with increasing emissions standards will increase production costs and reduce the competitiveness of western industries *(Boeing for one – see the section in this paper on the outsourcing of Boeing's latest plane).* The fear and irony here is that these industries will be forced to relocate to the source of the pollution *(**"That Giant Sucking Sound"-** once again).*

This ecological issue places environmentalists in an awkward position. A few years back "tree huggers" were chaining themselves to trees in opposition to logging. Today "Greenies" are supporting the clear cutting of thousands of acres of pristine New England and Virginia mountaintop forests for placement of wind turbines. Obama's wind "farm" agenda will also require thousands of miles of wide, compacted roadbeds that are especially constructed for the overweight, over-length tractor trailer rigs necessary to bring them in. Add to this, the thousands of miles of power line right-of-way required to link them to the grid. Then too, those turbine blades are spinning at close to 200 mph. The bird and bat kills are so devastating that **"Cuisinarts of the Sky**" *(Paul Gipe)* is an entirely appropriate description for them, as is **hypocrite** for those who would promote wind energy under the guise of environmentalism!

If CO^2 mitigation is a serious goal (and we refuse to accept an unreliable, inefficient and unaffordable power generation system) nuclear is about the only current option. From an article by **Michael Dickey: Anti-Nuclear Power Hysteria and its Significant Contribution to Global Warming** (Wattsup website, March 30, 2011): ***"Of the 253 nuclear power reactors originally ordered in the United States from 1953 to 2008, 48 percent were canceled, 11 percent were prematurely shut down, …Thus, only about one-fourth of those ordered, or about half of those completed, are still operating. if the US had simply built and operated the nuclear power plants it had planned and licensed, it would today be producing not only less carbon emissions than it did in 1972, but would in fact be emitting almost half the carbon emissions it is now."***

I applaud serious concern for our environment. We have much to thank the environmental movement for. I own 90 acres of magnificent canyon lands in Northern Arizona which I am fighting to preserve from the desecration of a wind "farm". I am grateful for the few environmentalists who have taken the time to educate themselves and develop a lucid assessment of our energy system and its relevance to our economy, living standards, and National security.

"If attention continues to be focused on increasing renewable energy targets, without any requirement to demonstrate what each development will achieve in greenhouse gas emissions reductions (including all aspects of the generation and transmission), we face a possible worst case scenario, where we achieve renewable energy targets through inappropriate developments and at great cost to important environments — only to discover that our greenhouse gas emissions are up, along with our energy consumption, and our energy supply is not secure."

The John Muir Trust
http://www.jmt.org/what-wethink.asp

A Summary of the Wind "Farm" Movement

1. **Manufacture the essential hardware with coal generated electricity in the most polluted** *(and polluting)* **countries in the world** and…..
2. **Transport them** *(by diesel power)* **across thousands of miles of ocean and land.**
3. **Bull doze and clear cut thousands of acres of meadow and forest** *(diesel)* and…
4. **Construct thousands more miles of roadbeds** *(diesel)* to enable the…..
5. **Installation of** *(diesel)* **skyscraper size mechanical monstrosities** *(that disrupt communities, massacre birds, damage the environment and threaten the economy).* Followed by…….
6. **Hundreds of miles of trenching (diesel) in which to bury connecting lines.** Then…..
7. **Constructing thousands more miles of transmission lines and rights-of-way** *(by diesel power)* **at an estimated cost of a $100 billion dollars !**

The only green in the "Green" Energy Movement is the massive amounts of taxpayer dollars wasted in the inefficient generation of trivial amounts of unreliable energy! There is, however, a massive amount of movement, powered mostly by diesel fuel. *Tom L.*

Electrical Vehicles

"Can our existing system handle it? Given that the grid is stressed already, probably not"

Brad Allenby, Professor of Engineering at Arizona State University

People often suggest to me that the ideal "Green" transportation system would consist of electrical cars supplied with electricity produced by wind "farms". Obama has a stated goal of 0ne million electrical vehicles by 2015 (according to the U.S. dept. of transportation, there are 62 million cars registered in the U.S. - one million would be 1.6% of this.).

According to the EPA, an electrical vehicle using 33.7 KW is equivalent to a conventional vehicle using one gallon of gasoline[62]. In 2008 there were a little less than 3 trillion miles[63] driven in the U.S. at an est. avg. of 25 mpg. Dividing 3/25 we get 120,000,000,000 *(120 billion)* gallons of gasoline. If we multiply that by the EPA's electrical equivalent we arrive at 4.04 trillion KW. Rounded down, this is 4 Giga Watts Hours (GWH). In 2009 the U.S. consumed 3.74 GWH[64] of electricity. Replacing the entire U.S. passenger car fleet would require more than double the existing generation capacity.

Replacing **only** 10% of the gasoline powered vehicles in this country with EV's supplied by wind would require increasing our current electrical system by about 11% *(411MWh).* Currently there is 36,300 mW[65] installed wind capacity in the U.S. This provides 2% of the total U.S. demand so we will need to add five times this (181,500 MW). If we scaled up the recently approved Sheppard's Flat Wind project[66], we would need:

- **72,600 wind turbines** *(made in China)* producing 2.5 mega watts each (*this is about three times what is currently installed in the U.S.)* These have an expected life of 20 years.
- **$430,000,000,000** ***($430 billion borrowed from China)***
- **4,128,000 acres**
- **18,275 miles of new roadways** *(more than ¾ around the earth)*
- **20,350 miles of new power lines** *(the diameter of the earth is 24,000 miles)*
- **Increase grid capacity by 10%.** ***(****currently the grid consists of 200,000 miles of high voltage lines and approx. 5.5 million miles of local distribution lines)*
- **An electrical storage system** for which the technology does not exist. The intermittency problem of wind power is compounded by the fact wind power is created mostly at night and in the winter – the inverse of vehicle demand.
- **A national system of recharge stations.** At 80 amps, a 4-8 hr recharge can draw as much power as an avg. home. Typical home and industrial power is A.C., electrical vehicles are D.C. Recharging is done thru an A.C. to D.C. converter (home recharge systems cost from $1-$2 thousand dollars). A full charge for a Nissan Leaf takes about six hours at 240 volts – twice that at 120 volts. The most expensive chargers operate at 480 volts and can charge most EV batteries in about 15 minutes, however, this shortens the life

of the batteries and the charge will likely be more expensive). A.C. to D.C. converters are typically 87%[67] efficient: at this rate putting $50 worth of electricity into a vehicle battery bank will cost $56.70. This portion of the overall efficiency occurs ahead of the vehicle and generally is not reflected in the vehicle efficiency ratings.

While on the subject of efficiency consider comfort heating (and automotive air conditioning). Heat is a natural byproduct of the internal combustion engine. A portion of this is easily diverted to heating of the passenger compartment. Any battery drain allocated to this end will be substantial, as will the impact on overall efficiency. The drain due to this is compounded as the batteries themselves are significantly affected by the outside temperature. The optimum temperature is 77 degrees F. (See: "Cold truths about electric cars" by Charles Lane, Washington Post, Jan 28, 2011). Range is greatly reduced by higher speeds, low temperatures, passenger loads, uneven terrain, and stop and go driving.

Also, the new smart meter system being installed throughout the U.S., senses spike draws and penalizes for it, especially during peak demand periods (which just happens to coincide with peak driving hours). Driving to work will likely require a recharge in order to get home. If this is done at the work place, business owners are sure to object to the enhanced expense – unless there is a subsidy!

On a pound for pound basis: gasoline contains about 80 times the energy as the best lithium-ion battery[68]. As an example, a Ford Focus or Golf-sized car can travel over 370 miles in mixed driving conditions and can easily maintain a speed of 70mph; even when fully loaded. For an electric car* to match that, its lithium-ion batteries would weigh over 1.5 tons and would be as large as the car itself. And remember we are talking about a two-seater. Few are going to choose a two-seater as a primary vehicle, until this changes, electric vehicles will remain at best, expensive optional second vehicles.

*The Nissan Leaf and the Mitsubishi i-MiEV,have exactly the same range as the 1908 Fritchle Model A Victoria (EV): 100 miles (160 kilometres) on a single charge.

From The Washington Post:

> **"Prices on electric cars will continue to drop until they're within reach of the average family."**
> *Oct. 31, 1915*

The 1000 lb lithium-ion battery pack in the Tesla Roadster[69] has an anticipated lifespan of about 7 years or 100,000 miles. At five years/50,000 miles, the battery pack is expected to have degraded to a 70% capacity. The cost of replacing the pack is expected to be approximately $36,000 (2009). The Roadster itself will cost almost $100,000. The Nissan Leaf[70] **(green***, get it?)* lists for about $32,000. Its battery pack represents about half of the cost and is guaranteed for only 75,000 miles. Question: At the 75,000 mile mark would you be willing to sink an additional $16,000 into your current automobile*?* Another Question: How much will a used EV be worth as it nears the warranted life of the battery? *(Electrical vehicles weigh approx 30% more than gasoline vehicles of*

the same size. This results in a corresponding reduction in tire life. Tires are a crude oil product. Most tires sold in America are made in China)

The manufacturing of Lithium-Ion batteries, like wind turbines and solar cells will be dominated by Asia. In a Bloomberg article[71] last summer Former Intel chief Andy Grove had this to say*: "The U.S. lost its lead in batteries 30 years ago when it stopped making consumer electronics devices. U.S. companies did not participate in the first phase and consequently were not in the running for all that followed.* ***I doubt they will ever catch up.****"*

In South Korea, there are 17,600 people employed in the Lithium-Ion battery industry, China has 33,200, and Japan 35,700. Here in the U.S., the entire workforce consists of 1100 lonely souls – a little over 1.2% of the world wide total.

There is research underway to create huge Lithium Ion battery banks for wind "Farms" *. Lithium is not a hugely abundant resource (*the most economical sources are in Bolivia and* ***China).*** It is doubtful that there are sufficient quantities of lithium to achieve this any meaningful way. Any attempt at this will increase demand and will most certainly launch the cost of automotive battery banks to such a level that for replacement to be even remotely affordable, yet another subsidy will be required.

Wind Farm Battery Banks

This will be an enormously expensive "solution" requiring yet another subsidy to "solve" an underlying problem *(intermittency)* inherit in an existing massively subsidized program *(wind power)* created to displace CO2 *(failed)* in response to a highly dubious theory:

"Human Caused Global Warming"

The U.S. government purchased one quarter of GM and ford hybrids in 2010[72]. In Oct. GE announced that it intends to buy 12,000 Chevy Volts[73] *(It's useful to keep in mind that GE is heavily invested in supplying major components for the Volt) The announcement came a week before GM's first stock offer after the government takeover and, no doubt, was timed to improve investor response*. Through the subsidy, the U.S. taxpayer is paying, in part, for the G.E. corporate fleet.

The Electric Vehicle has significant surface appeal; it is when one tries to integrate them into the real world that the "Black Tailpipe Smoke" begins to appear.

For the foreseeable future, electric vehicles will be relegated to a wealthy "niche" market in areas where the primary competitor *(and better choice)* is the bicycle – and then, only so long as the subsidy lifeline remains uninterrupted.

Tom L.

~

"Green" Jobs

"Over 180 projects in over 40 states will receive these tax credits. And one of them is TPI Composites, Inc., which is based in Newton, Iowa — one of America's leading wind turbine manufacturers. Because of these tax credits, TPI Composites will not only be able to expand an existing facility in Newton, they'll not only be able to build a brand new facility in Nebraska, they'll also be able to hire over 200 new workers."

Barack Obama – Jan 8, 2010

Correction Mr. President: TPI Composites is based in Scottsdale, Arizona, nor is TPI *"one of America's leading wind turbine manufacturers"*. The TPI plant in Newton, Iowa manufactures wind turbine **blades** for G.E. G.E. has 13,000 employees in Shenyang, China who build G.E's wind turbines. Afterwards they are shipped to the U.S. for final assembly.

Tom L.

If any American city epitomizes the damage wrought by Globalization, it is Newton, Iowa. *(the Maytag washing machine was invented there in 1907*). **In 1993 congress ratified the North American Free Trade Agreement[74] (NAFTA)**. NAFTA promoters *(including large multi-national corporations)* promised hundreds of thousands of new high paying jobs, improved living standards, and huge new export markets (**none** of which came true). Opponents *(including presidential contender Ross Perot)* argued that NAFTA would result in spiraling trade deficits, decimated American wages, and a **loss** of hundreds of thousands of good paying jobs *(**all** of which came true).*

Immediately upon ratifying NAFTA, America's trade balance headed south and for 20 years has continued in an unwavering plunge[75]. In 1994 the U.S. held a trade surplus with Mexico of **$41** billion, 14 years later we are at a **$64** billion deficit[76]. The U.S. congress instead of correcting the damage done, in 2005 acquiesced to George Bush's strong arm techniques and voted to expand NAFTA to include five Central American countries[77].

The American corporations that promoted NAFTA recognized that the more profitable facets of NAFTA were illegal under Article 27 of Mexico's Constituiton[78]. This article was incorporated after the 1917 revolution to protect Mexican citizens from the abuses that led to the revolution.

Article 27:

- **Allowed only Mexican citizens to own land and water**
- **Decreed that only the state may control, extract and process oil and its derivatives**
- **Returned stolen peasant lands to their owners and generally protected Mexican peoples' land ownership rights from foreign exploitation.**

The repeal of Article 27 was achieved in 1992 and the way was paved for all that followed.

Especially hard hit were farms on both sides of the border: the U.S. has lost 38,000[79] small farms. Now (2009), a mere 2.3% of U.S. farms (AgriCorps) net 54% of agricultural net income[80]. 2.3 million Mexican agricultural jobs were lost[81]. The manufacturing or "maquiladora" operations along the U.S. border initially offered wage improvements. This proved temporary for even lower cost Chinese production has exerted downward pressure on Mexican wages as American international corporations are leaving Mexico and relocating to Asia[82]. Mexico's manufacturing wages are now lower than they were prior to NAFTA The flood of Chinese goods, even cheaper than the traditional Mexican products have created a looming trade deficit for Mexico just as it has here in the U.S. . Much of the U.S. trade deficit with Mexico is translated into dollars that go to financing Mexico's trade deficit with China[83].

This destruction of Mexico's lower income economy has resulted in a massive illegal immigration into the U.S. and a huge expansion of the illegal drug industry that the U.S. spends billions annually to combat. Still in a testament to the power of International Corporations (and reelection donations), Congress refuses to even consider the elimination of NAFTA (or ethanol).

On July 28, 2005, Deborah James, Global Economy Director at Global Exchange wrote:

> ***"The main issue here is that so-called "free trade" doesn't actually deliver the promised benefits -- because it really has little to do with free trade, but much to do with transferring wealth and decision making power from the public to private, unaccountable elites known as multinational corporations. Until we have a sea change in what the US public understands by the phrase "free trade" we will continue to see our democracy turned into a political system of corporate rule.*"***

Benito Mussolini: "Fascism should rightly be called corporatism, as it is the merger of state and corporate power".*

Within a few years after the ratification of **NAFTA**, that **"Giant Sucking Sound"** (*Ross Perot's poetic description of NAFTA)* had inhaled most of the American appliance manufacturers, still, Maytag resisted. In 2001 Maytag caved and built its first factory in Reynosa, Mexico[84].

In **1986**, Maytag came to Galesburg, Illinois. 14 years later, the Chicago Tribune in an article on Oct. 12, **2002** announced**:** "**Maytag to Close Refrigerator Plant in Galesburg, Ill.; 1,600 to Lose Jobs".** Galesburg was in much the same situation as Newton would be a few years later. Due to public outcry, Maytag agreed to remain in Galesburg in return for $7.5 million in state loans and grants, a $3 million dollar city grant funded by increasing local taxes, and tax incentives worth $4 million ***(expiring in '04).***

In Sept. 2004, Maytag closed the doors in Galesburg[85]. Of those 1600 jobs, most went to Mexico where "maquiladora" workers were paid about one sixth that of the Galesburg workers. Some went to Daewoo *(a Korean multinational corp.),* and a few to Newton, Iowa. Galesburg's loss was added to the 2.7 million manufacturing jobs the U.S. had sacrificed in the previous two years. Illinois had

been hit the hardest; in just the first three months of 2004, an estimated **7500 Illinois jobs left for Mexico** *(nationally Mexico benefitted most with China Second).*

In Dec. 2004 ,David Moberg, editor of "*In These Times*" wrote:

"They become part of the national problem posed by the growing trade deficit that may approach a record $600 billion this year (laughable by today's standards - a mere six years later we stand at an astounding $14 trillion dollars ! Tom L.)*. As more governments and financial market players have perceived this deficit (and the federal budget deficit) as unsustainable, the value of the dollar has fallen* (16% in the six years since David Moberg wrote this. Tom L.). *The deficit increase partly reflects rising oil prices and* ***a growing trade imbalance with China,*** *whose currency, the Yuan, is pegged to the dollar and, according to critics, undervalued. But the deficit is also a result of the shift in jobs manufacturing tradable goods".*

."A declining dollar should reduce this trade deficit. But changes in the American economy may blunt its effect. With the decline in its manufacturing base, the United States has fewer producers of tradable goods for export and relies more on imports for essential goods, even if their price in dollars rises sharply. The United States even runs deficits in agricultural commodities and advanced technology, while the small trade surplus in services has been shrinking. The surge in off shoring of white-collar work undercuts the traditional expectation that the United States would simply shift to theoretically higher skilled jobs as it lost manufacturing."

In 2005, Newton, Iowa's population was 16,000. At its peak, 5,000 of these worked at the Maytag Plant[86]. In 2005 the town was optimistic and unaware that Maytag had just been acquired by Whirlpool. In 2007, the plant doors at Newton were locked and all operations were relocated to Mexico. Though the economic impact was immediate, no one at that time realized how serious things were to become. For Newton, Iowa, Maytag had just opened the first page of **"The Great Recession".**

[87]A few months later, representatives from the Newton Development Council attended a **Wind Energy Association** expo in Los Angeles (The **WEA** is the umbrella lobbying organization for the wind industry). There, they approached **TPI Composites**, who, a year later moved into a portion of the old Maytag plant and began manufacturing wind turbine blades *(**TPI** also has plants in Juarez, Mexico and Taicang, China).*

Note*: as you read the following, it's useful to keep in mind that TPI has on its board of directors a former* ***Chairman of the Federal Energy Regulatory Commission: Pat Wood III***[88]*, a well connected Washington Bureaucrat who knows his way around the Federal, state and local feeding troughs! Wood was appointed to the chairmanship by George Bush on the recommendation of Enron's chairman Ken Lay.*

Pat Wood has just left his imprint on another failed government subsidized boondoggle[89]. The Range Fuels Corporation's[90] ethanol from wood chips plant in Georgia has just closed after soaking up a $76 million dollar grant authorized by George Bush in 2007 as well as an $80 million dollar USDA loan guarantee approved in 2010. In its four year existence all it managed to produce was a small demonstration batch. The plant was promoted as capable of producing 100 million gallons of ethanol a year and employing 250 workers. A management spokesman stated that a couple of hundred million dollars more was all that was needed to meet production goals. Pat Wood III was director of operations.

From PRNewswire: "**Former GE Executive Joins TPI Composites Board of Directors"**
SCOTTSDALE, Ariz., Aug. 12. *"TPI Composites, Inc. today announced Stephen Bransfield has joined its board of directors. Bransfield, a 37-year veteran of* ***General Electric*** *brings his operations and manufacturing experience to TPI."* **Note:** the relevance of this will become apparent later in this paper.

So far TPI has received:

1. **$3.9 million in Department Of Energy (DOE) tax credits to expand its operation in Newton, Iowa[91].**
2. **$5.1 million in DOE tax credits to build a turbine blade manufacturing facility in Grand Island Nebraska[92],**
3. **$2.2 million in forgivable loans and tax credits from the Iowa Department of Economic Development[93]**
4. **$2.5 million forgivable Iowa state loan for road improvements[94]**
5. **$480,240 refund of Iowa state sales, service, or use taxes[95]**
6. **$17 million in county and city assistance[96]** ***(to secure the TPI project in Newton, Jasper County issued about $4 million in general obligation bonds)***

For Iowa's contribution, TPI agreed to hire 504 employees in Newton by July 30, 2010

In May of 2010, five months after Obama's Jan, 2010 speech at the old Maytag plant, the "Newton Independent" carried the headline **"Wind Blade Maker Lays Off In Newton".** TPI was reducing its staff from **470 to 233**.

- **Jan. 9, 2010:** The Arizona Republic, **"Solar, Wind Tax Breaks to Aid Arizona – Feds offer millions to Spur Renewable-Energy Projects":** *"TPI Composites Inc. of Scottsdale, which makes blades for wind turbines at several facilities outside Arizona, will qualify for $3.9 million in tax breaks to expand an Iowa factory and another $5.1 million for a new factory in Nebraska that will employ 200."*

TPI President/CEO Steven Lockard: *"The administration's Clean Energy Manufacturing Tax Credit Program is an important step in helping the U.S. become more competitive for clean energy manufacturing jobs, TPI's tax credit award will help the company advance its plans to expand operations and create additional manufacturing jobs in the U.S."*

Note: also in that article was*: "Chinese company Suntech Power Holding Co. said in November that it would build a Phoenix-area factory employing 75 people in its first phase. The announcement said Suntech's facility, which could get a* ***$2.1 million*** *tax break, is planned for Tempe. "*

"The White House also said Yingli Green Energy Holding Co., a major Chinese competitor to Suntech, is planning its own factory in Phoenix, and would receive a ***$4.5 million*** *tax break if it gets built."*

- **Feb 01, 2010:** Sioux City Journal, **"Wind Project Could Bring 500 Jobs":** *"To land the large-scale project, the city and Woodbury County expect to construct the facility and then lease it back to the company, Arizona-based TPI Composites. To finance the construction, the county likely would issue Revenue Zone Financing Bonds, a new form of tax-exempt bonds authorized by the 2009 federal stimulus bill to*

spur private development. Sioux City in recent months has been hard hit by layoffs, most notably last month's closing of the 1,400-worker John Morrell plant."

- **May 19, 2010:** Sioux City Journal**: "Wind Blade Firm Courted By Sioux City Cuts Jobs In Newton**": *"The disclosure comes as the Iowa Economic Development Board on Thursday considers whether to approve millions of dollars in state aid for a TPI factory in Sioux City. Sioux City is competing with at least one other city for the $38 million project, which would create 500 jobs by December 2012."*

- **August 1, 2010:** The Employment Spectator announces**: "Iowa Extends TPI's job-Creation; Sioux City has Eyes Set On Creation of 500 Jobs".** The Iowa Economic Development Board had extended the deadline to Sept. 15.

  Note: also in the Article was this*: "The American Wind Energy Association reported Tuesday that the construction of wind farms has taken a 71 percent dip nationwide in 2010 and come to a complete halt in Iowa". (This was predominately due to the expiration of federal wind subsidies on Dec. 31, 2010 as well as the glut of natural gas at bargain prices. The subsidies were extended by the "lame Duck" congress and proudly signed into law by Barack Obama as part of an $8 billion dollar addition to the national debt)*

  (And the party never ends!)

- **August 27, 2010:** Plastic News: **"TPI Composites Opening Mass. Wind Blade Center": "***TPI Composites Inc. will open a wind blade innovation center early next year to develop new technology and serve as a launching pad for new products, according to a joint announcement Aug. 25 from state, city and company officials (Governor Deval Patrick, U.S. Representative Barney Frank and Fall River Mayor William Flanagan – Tom L.). The new facility will employ 30 to 50 workers at the start and the company has been awarded a* ***$250,000*** *grant from the Massachusetts Clean Energy Center*

Note: on April 28, 2010 Interior Secretary Salazar approved the **$2.5 billion** Cape Wind offshore wind "farm" project, Cape Cod Mass. Fall River is less than 50 miles from the site. (Cape wind is promoted as able to supply power for 200,000 homes, and provide 160 permanent jobs. This equates to: $12,500 per home *(in construction cost)* to produce electricity @ an initial **wholesale** rate of 18.7 cents a KWH (this was contingent upon federal continuation of the 2.1 cent per KWH federal subsidy) + a 3.5% annual increase for the 20 year contract. The last year of the contract, the **wholesale cost will be $.374 KWH –** three times the current national avg. **consumer** cost. of conventionally produced electricity @ 10 cents a KWH. (See: www.masterresource.org - Cape wind)

Nearby, is the Rhode Island "Block Island" offshore wind project. Here, the Rhode Island Public Utilities Commission rejected a $.24 KWH contract as **"Commercially Unreasonable"[97].** This was an unendurable affront to the Rhode Island State Legislature who had with great fanfare instituted a **"Renewable Energy Standard".** In an act of "Creative Genius", that great body then legislated a law redefining the term **"Commercially Unreasonable".** The new definition essentially reads: **"Immediately acceptable"** !

- **August 31, 2010:** Newton Independent**: "TPI to Launch Wind Blade Innovation Center in Massachusetts":** *"TPI Composites announced last week that it plans to open a wind blade innovation center in Massachusetts designed to support its manufacturing facilities around the world, including its operation in Newton. The new plant is expected to open in early 2011.* ***TPI received state assistance*** *contingent upon creating and maintaining 30 jobs."*
- **Sept 14, 2010:** Newton Independent**: "TPI Seeks Another Extension of its Jasper County Job Creation Requirements":** *" The company, however, forecast in its request for an extension that it would have 405 FTE positions at the Newton plant by Dec. 31, 2010, 522 by March 31, 2011 and 690 as of July 31, 2011, numbers it noted were far above the original requirements*"
- **Oct 20, 2010:** "The Newton Independent"**: "TPI Has Delayed Sioux City Wind Blade Facility":** *"John Ragan, vice president, business development and government affairs, states that the company is not planning to move forward with the project at this time. The U.S. economic downturn coupled with the low price of natural gas has reversed the growth in the wind power market from the previous year."*

TPI's wind sector exemplifies an opportunistic industry *(the word **"Carpetbagger"** comes to mind)* that is created by and can only exist as long as the subsidy lifeline is unbroken. America has now entered an era where such corporate welfare is unsustainable.

The following text box contains a prophetic excerpt from a **United States Senate Report** published in the spring of 2009: **Yellow Light on Green Jobs.**

> *"The example of the TPI Composites wind turbine facility in Newton, Iowa shows how American workers and communities are net losers when traditional jobs are destroyed and subsidized green jobs created.*
>
> *The Maytag workers earned $20 an hour in addition to health benefits. Newton TPI turbine workers will earn only $13 an hour. Newton workers went from wages that could support a middle class family to wages not much higher than the federal poverty wage for a family of four.*
>
> *National policymakers and legislators do have a choice over whether they will enact climate change legislation to fund green jobs creation programs that result in the destruction of good paying manufacturing jobs like those that were in Newton, in part to create fewer, lower paying green jobs like those that came to Newton."*

In October of last year, **CBS's "60 Minutes"** profiled the town's experience in**: "Newton, Iowa: Anger in the Heartland**". Afterwards a blogger left this moving comment**:**

By **bluecollarman** November 3, 2010 4:33 PM EDT**:**

> *"The middle class here is becoming extinct. They are dying off as American manufacturing leaves here to go to foreign countries where these companies don't have to pay taxes or decent wages or worry about the EPA or OSHA or anything like that. The days where people can graduate from high school and go out to get a job are just about gone. We are left to compete against people that make 86 cents an hour. There is only so much room for people with degrees also. There is no shortage of them in the unemployment lines too."*

Last year the town of Newton, Iowa was proudly awarded the
"2010 Siemens Sustainable Community Award"

The award is given to communities who embrace **"renewable energies**". Siemens is a global corporation, with 405,000 employees in 190 countries, a major player in the wind industry and supplier of the turbines for "Cape Wind". During the May 14 award ceremony; there was a proud reference to the **600** workers employed at the **TPI** turbine blade factory. Three days later "The Newton Independent" announced: **"Wind Blade Maker Lays Off In Newton". TPI was reducing its staff from 470 to 233.**

~

Evergreen Solar Heads To China
"As Quickly As We Can"

This was the headline of an article in Manufacturing & Technology News by Richard McCormack, March 5, 2010

In 2008 Evergreen had received a total of **$58 million from the state of Massachusetts**[98] to fund a new factory at Devons, Mass.: $21 million in cash grants, $20 million in const. funds, $1 million for workforce training, $13 million in state grants for road and infrastructure improvements, the remainder was misc. and tax incentives. It also received $17.5 million in low interest loans and a discounted long term lease on state land valued at $2.7 million as well as state tax exclusions for equipment purchases.

Less than a year later Evergreen began construction in **Wuhan, China** on a new 100 megawatt manufacturing facility and now was laying off its **800** Devons employees.

So why were they leaving? Essentially, because the **Federal Government** refused to give them any money, while the Chinese offered to give them a lot. Evergreen's new plant in **Wuhan, China,** which opened last September, is two-thirds financed with low-interest loans from various Chinese government agencies and with no payments until the end of 2015, according to company CEO. Michael El-Hillow.

A defensive **U.S. Energy Department** press secretary said the department was committed to supporting renewable energy*. "Through our Loan Program Office we have offered conditional commitments for loan guarantees to 16 clean energy projects totaling nearly $16.5 billion,"* **she said.**

Mass. Governor Deval Patrick heavily promoted Evergreen on the campaign trail and originally had offered them $113 million[99]. Evergreen never earned a profit and its stock, which had reached a high of over $100 a share in 2007, closed at $1.83 on Oct. 16, 2010[100].

So, how does a governor handle damage control after throwing $58 million dollars of tax payer money into the maw of a solar fiasco? Patrick at first downplayed the figure, putting the loss at *"..about $20-$21 million dollars",* but after being presented with research by the Boston Globe[101] he finally admitted to the total amount. Still, during last summer's governor's debates Patrick insisted that: *"Not a single job has gone to China,''* and called Evergreen *"a pretty good success story."* ***Patrick won!! (This man is definitely presidential material)***

Mass. Economic Development Secretary Greg Bialecki[102] Put the typical "Green" P/R spin on the debacle*: "This wasn't so much an investment in Evergreen Solar as it was in the clean energy sector. The purpose wasn't to benefit a company but to grow an industry and the investment really put us on the map."* ***(Yeah, it did !)***

~

In May of last year Obama made a fundraising tour of California. As part of raising $1.7 million for Senator Barbara Boxer (see page 88 of this report) he made a stop at the Solyndra solar panel factory in Fremont. Following are excerpts from the speech he gave there.

"companies like Solyndra are leading the way toward a brighter and more prosperous future.....we are poised to generate countless new jobs, good-paying middle-class jobs, right here in the United States of America.....The true engine of economic growth will always be companies like Solyndra....."

*"We can't have an economy that's just built on maxing out on credit cards" **

Barack Obama, May 26, 2010

*When I first read this, I thought I could come up with some biting commentary about Obama's massive run-up of the national debt, but, after several blank minutes I have to admit, I am speechless, absolutely dumfounded !

On July 27, the Solyndra website announced the addition of Brian Harrison to the board of directors as president and CEO: *Mr. Harrison said, "I am extremely excited about joining Solyndra. Solyndra's rooftop photovoltaic system is highly differentiated, and the market opportunity for the company is tremendous. I look forward to leading Solyndra to be the pre-eminent solar system provider for commercial and industrial rooftops."*

The announcement continued: *Mr. Harrison joins Solyndra at a time of strong growth, with sales having doubled each year for the past two years and expected to climb to more than $400 million in 2011. The new Fab 2 facility in Fremont, California, is expected to go into production ahead of schedule this fall and will more than triple the company's current output in the next year.*

That was six months ago and despite having raised more than $1 Billion and receiving a **$535 million** dollar Department of Energy loan guarantee**, Solyndra is going the way of First Solar.**

From mercury news.com: "***Fremont's high-flying Solyndra hits a rough patch",*** by Dana Hull, 1/30/2011:

One reason for its woes is that low-cost Chinese manufacturers are building massive factories that have rapidly driven down the price of solar panels and shifted more than 50 percent of production to China.

Ramesh Misra, a semiconductor and solar energy analyst at Brigantine Advisors, says excessive spending is just one of Solyndra's problems. Another is that there doesn't appear to be much

demand for its product. "At the end of the day, customers pay the bills," Misra said. "Where are their customers? That's where the story starts to unravel. Solyndra is a disaster waiting to happen."

On Feb 17, 2011, the House Energy and Commerce Committee issued a press release entitled***: "On 2nd Anniversary of the Stimulus, Upton Seeks Answers from Dept. of Energy on Half Billion Dollar Bust"*** *After Receiving $535 Million, Recipient of DOE's* ***First*** *Loan Guarantee has Laid Off Workers, Announced Plant Closing, and Postponed Expansion"*

Committee Chairman Fred Upton (R-Mi.) issued the following statement:

"In the two years since the stimulus was signed into law, we've hemorrhaged 1.8 million private sector jobs, endured 21 consecutive months of 9 percent or higher unemployment, and mortgaged the futures of our kids and grand kids. More spending and government is not the answer to all our ills."

Note: Fred Upton is credited with saving America from the environmental ravages of the incandescent light bulb (see pg. 51 of this report).

China's approach to acquiring new technology is to lure foreign Corporations possessing desirable proprietary technology with financial benefits and set them up with a Chinese partner. This effectively eliminates them as major competitors in the target market. A few years down the road, when the partner has "learned the ropes", separate Chinese companies establish "beachhead" businesses with the newly acquired skills and knowledge. At that point a "deal" is offered in which the proprietary corporation becomes a junior partner in his own business. By this time the proprietary co. has became submerged in and dependent upon the Chinese – 49% of something always trumps 100% of nothing! *(See:"* ***With New Clout, Chinese Firms Drive a Harder Bargain****", Dec. 30, 2010, Want China Times)*

> ***"We are going to China as quickly as we can, the issue for us is just how long does it take to get there."***
>
> Evergreen Solar CEO Rick Feldt*

*Rick Feldt received **$1.8 million** dollars in compensation in 2009[103], including nearly a half million dollar bonus awarded in part for managing the relocation of Evergreen solar to China and finalizing the outsourcing contract with their new Chinese partner Jiawei Solar Co.

The state of Massachusetts has never seen a subsidy it didn't like, nor the threat of a business's departure that it wasn't willing to throw money at. In 1995 Raytheon threatened to leave Mass. unless it received extensive tax benefits – It got them. Last year GE began cutting jobs at its Lynn, Mass. Plant and threatened to cut 150 more unless it receives $25 million in tax break[104] ***(GE's 2009 federal tax bill was $0.00 on $11 billion in profits)[105].***

"We're now having to pay companies not to fire people," said Deirdre Cummings, legislative director of the Massachusetts Public Interest Research Group. *"This is throwing economic development subsidies on its head.*[106] *"*

Still Massachusetts isn't ready, just yet, to shut down the subsidy "Gravy Train". The new winner is **Video-gaming** (Now there's a developmental and beneficial skill for America's youth !) Mass. Is a sore loser and if spreading tax payer monies around is prophylactic, the state legislature is all on board. It all stems from an incident with former Boston Red Sox star Curt Schilling[107]. Schilling, it seems, has his very own video-gaming company which was coveted by neighboring state Rhode Island. Rhode Island offered Schilling a **$75 million** loan guarantee if he would bring it to R.I. Mass. dawdled too long in "upping the ante"; and now, Rhode Island has what Mass. once had. Vowing never to let that happen again, the state legislature is now writing a bill to subsidize the entire industry (seventeen other states already do this *(am I the only one who sees a problem here?))*

~

"We'll create 5 million new, high-wage jobs by investing in the renewable sources of energy that will eliminate the oil we currently import from the Middle East in 10 years"

Barack Obama, Oct 13, 2008 Toledo, Ohio

The simplest explanation of this is contained in a statement made by Obama's energy "czar" Steven Chu during an interview with The Wall Street Journal in September '08: **"Somehow we have to figure out how to boost the price of gasoline to the levels in Europe,"($8 a gallon).**

As Obama is a Harvard lawyer trained in concise and unequivocal sentence structure; we must conclude that he means just what he says: He intends to employ 5 million people whose job it is to create a new (neither oil, gas, hydro or coal) renewable energy industry that will replace the energy contained in the 14% of our oil that comes from the Mideast ! And since it will replace oil and he makes no mention of a new motive technology (replacing the internal combustion engine) I'm concluding that the new product will be poured into existing automobile fuel tanks.

- The Renewable Fuels Assoc claims that the Ethanol industry "supports" **400,000**[108] people - A grossly inflated figure consistent with all facets of the renewable industry *(except production cost* - which as recently stated by the American Wind Energy Association is now on par with coal*)*

  ***The U.S. Energy Information Agency disagrees. Their research places onshore wind production costs at 1.5 times that of coal, Offshore wind = 1.9 times, avg. solar = 3.3 times, and advanced nuclear 1.2 times. Regarding federal subsidies (which I do not support): Solar is subsidized at 5.6 times that of coal, wind = 5.3 times, and nuclear 1.7 times. (Production costs refer to facility operation and fuel expense but do not include facility construction costs)*

- As of Dec, 2010, the entire U.S. oil and gas extraction industry employs **166,000**[109] people. (actually, as Obama was referring to the oil imported from the Mideast, I probably shouldn't include this but, I'm going to be generous)

- The petroleum refining industry employed **81,750**[110] as of 2001 (this is based upon the 2000 census. The 2010 figure has not been released, however, as the gasoline production for 2009 is only 2% higher than 2001, I am using the same employment figure)

The combined total is only **647,750.** The existing petroleum fuel production industry labor force is less than 13% (one eighth) of the 5 million people Obama intends to employ under his plan.

Let's see how this plays out:

In 2009 we imported 642[111] million barrels of Mideast oil. If we divide that by Obama's five million; we find that each Obama employee is responsible for producing **128 barrels of "Obama juice" a year.**

The entire U.S. oil and gas industry employs 647,750 thousand people. These people produced 3,236,000,000 barrels of oil last year or **4,996 barrels per person.** The oil employee is therefore **39 times** more efficient than the **"Obama juice"** employee. As it isn't clear what **"Obama Juice"** actually is, we can't consider production costs, but, strictly based on employee and production unit costs the new energy source will then logically cost 39 times that of an equivalent amount of crude oil *(or the pay scale is extremely modest).* At three dollars per gallon of gasoline *(x 39)* that would be **$118 per gallon of Obama "juice"-** "**Fill 'er Up!"**.

If we replace the existing personnel with 8 times the manpower, the employee cost is either **8 times** the current system *(more if that is what "high-wage" means*). Or, if the new industry is cost neutral on the employee side, each employee's pay would be one eighth. However you structure it, the production is abysmally inefficient (entirely consistent with wind and solar) and the consumer can expect to pay accordingly.

The U.S. economy is historically sensitive to energy costs. High energy prices boost inflation, reduce production, increase unemployment and slow economic expansion *(the U.S. must expand its economy by 3% annually just to absorb immigrants and new incoming workers).* With a work force of 154[112] million, an increase in unemployment of just 3% would entirely negate Obama's promised 5 million "green" jobs.

From a jobs perspective, simply shifting workers from one industry to another is not job creation. This is essentially retraining to fit a new job description; as such it doesn't qualify as **new** *(unless deception is intended).*There would be no political capital in this, as it would not affect employment figures at all.

To be generous, Obama's quote displays a misunderstanding of the purpose of energy in modern industrial society as well as the functioning of the global economy. It appears that Obama views employment in the energy sector as an end unto itself, a redirection of national purpose. Energy is the tool with which economies are built, analogous to the hammer used in the construction of a building. Energy is a primary industry – the tip of an inverted pyramid representing the economy of an industrious nation. The greatest benefit to an economy occurs when primary industries produce the most goods at the least cost. From every angle Obama's "green Energy Program" defies this.

~

"Bad Results From Deluded Politicians"

(actually this would have been an excellent title for this entire paper)

In 2007, congress in an efficiency and "Green Jobs" creation fervor, passed a law[113] banning Thomas Edison's most pervasive and single most appreciated contribution to modern society: the common incandescent light bulb. Apparently someone concluded that If every home replaced one incandescent bulb with a CFL*, it would be equivalent to taking one million cars off the road **(***there again is that connection of oil to electricity).* The light at the end of the tunnel is now emitted by the compact fluorescent tube.

***Note:** Simple economics do seem to support the replacement, provided that the CFL is lit 2.75 hrs. per day, every day, for five years *(See: **"Cost Efficiency of LED (or CFL) Light Bulbs**", Ken Brumf, Mar. 5, 2010. Also:* **Light Bulb Clarity**: New Electric Politics, *www.ceolas.net).*

There are other considerations:

- A study produced by the U.S. Department of Energy[114] has found that Americans consistently take advantage of lessened costs of lighting not to reduce expense but to increase lighting. The report, focused on the CFL, concluded**:** ..."***the total consumption of light could increase by a factor of 10 over the next two decades. And the amount of energy used to produce that light could double."***

  Sam Kazman, general counsel for the Competitive Enterprise Institute, pointed out that banning incandescent light bulbs does not necessarily bring environmental benefits. In 1987 the town of Traer, Iowa distributed 18,000 free fluorescent bulbs to its residents in a demonstration project aimed at reducing power consumption. Residential electricity use actually rose by 8 percent, because people used more lights and kept them on longer, once they realized their lighting was cheaper.

- CFLs don't work with common dimmer or timing devices
- they contain rare earths *(see page 27 of this report)*
- CFLs take five to six times the energy to produce
- As you are about to learn, the production *(green jobs)* is outsourced.
- The small household CFL bulb contains the same amount of **mercury** as the large industrial tubes *(See: **The CFL Mercury Nightmare"** National Post, April 30, 2007)*

  Because of the mercury content, the EPA categorizes the CFL bulb as **hazardous waste** that requires special recycling disposal procedures. The result of the law is that millions of these will be in homes all across America. Does anyone seriously think that the common disposal technique will consist of anything more than ***"throwing them in the kitchen trash***"? Since we're in the kitchen anyway, I suggest you read and become very familiar with the following before installing a CFL into your oven light socket.

EPA emergency disposal procedures to be followed in the event of a CFL breakage in the home:

1. Have people and pets leave the room avoiding the breakage area on the way out. Open a window or door to the outdoors and leave the room for 5-10 minutes. Leave the window or door open during the duration of clean-up procedure.

2. Shut off the central forced-air heating/air conditioning *(H&AC*) system.

3. Carefully scoop up glass fragments and powder using stiff paper or cardboard and place debris and paper/cardboard in a glass jar with a metal lid. If a glass jar is not available, use a sealable plastic bag. *(**NOTE:** Since a plastic bag will not prevent the mercury vapor from escaping, remove the plastic bag(s)* from the home after cleanup.

4. Use sticky tape, such as duct tape, to pick up any remaining small glass fragments and powder. Place the used tape in the glass jar or plastic bag.

5. Wipe the area clean with damp paper towels or disposable wet wipes. Place the towels in the glass jar or plastic bag.

6. Vacuuming of hard surfaces during cleanup is not recommended unless broken glass remains after all other cleanup steps have been taken. **NOTE:** It is possible that vacuuming could spread mercury-containing powder or mercury vapor.

7. Remove the vacuum bag *(or empty and wipe the canister)* and seal the bag/vacuum debris, and any materials used to clean the vacuum, in a plastic bag.

8. Promptly place all bulb debris and cleanup materials, including vacuum cleaner bags, outdoors in a trash container or protected area until materials can be disposed of properly.

9. Check with your local or state government about disposal requirements in your area. Some states and communities require fluorescent bulbs *(broken or unbroken)* be taken to a local recycling center.

10. Wash your hands with soap and water after disposing of the jars or plastic bags containing bulb debris and cleanup materials.

11. Continue to air out the room where the bulb was broken and leave the H&AC system shut off, as practical, for several hours.

12. The next several times you vacuum the rug or carpet, shut off the H&AC system if you have one, close the doors to other rooms, and open a window or door to the outside before vacuuming. Change the vacuum bag after each use in this area.

Note: In “light of the above” it occurs to me that if a CFL was broken in a commercial establishment such as a department store or restaurant, the liability aspect would dictate closing the store, call Hazmat, send everyone exposed for medical evaluation and instruct your tax accountant to record the day *(or days)* as a loss. Balance that against “energy saved”.

The Sept. 8, 2010 edition of the Washington Examiner contained an article by Peter Whorisky entitled:
" Light bulb factory Closes - End of era for U.S. means more jobs overseas"

The incandescent light bulb was invented by Thomas Edison who later founded GE. Peter Whorisky's article dealt with the closing of the last remaining GE* incandescent light bulb factory in the U.S. In Winchester, Virginia that day, 200 more Americans went home without jobs

***Note: I am going to get a little "off the reservation" here, but the following sheds light on a number of things:**

"I am so proud and pleased that Jeff has agreed to chair this panel -- my Council on Jobs and Competitiveness -- because we think GE has something to teach businesses all across America"
Barack Obama addressing G.E, workers in Schenectady, New York, Jan 21, 2011

G.E. is headed by **Jeffrey Immelt** (since 2002) and has just been appointed to head **Obama's Council on Jobs and Competitiveness.** In the past two years, Obama's choice of Jeffrey Immelt is the single most revealing event in delineating Obama's vision for America. Tellingly, Jeffery Immelt is the anti-thesis of the crafted image Obama presents himself to be. The appointment **is** consistent with the lie of renewables as an energy producing, jobs creating, national economic salvation plan. Under Immelt's leadership G.E. has **closed 29 U.S. factories**[115] in the last two years. Like the Winchester plant, **the jobs were exported to Asia and Mexico.**

- The American taxpayer bailed out G.E. with **$139 billion** in 2008[116]
- Today G.E. is sitting on **$79 billion**[117] in cash. The largest of all non-financial public corporations. This is 62% larger than Toyota who is second[118] place. According to the Federal Reserve, Non-financial corporate reserve holdings are at $1.9 trillion, the largest since 1956[119]. **Publically Obama criticizes cash hoarding.**
- In 2002 when Enron's illegal operation collapsed GE bought their wind sector[120]. Immelt: *"We bought it for $200 million from Enron. This year it will generate $7 billion in sales* (subsidies). *We generate as much cash per month from the business as we paid for it."* (GE's wind turbines are manufactured in China)
- Since 2001, under Immelt, **G.E. has eliminated 34,000 U.S. employees while adding 25,000 overseas**[121]**.** Publically, Immelt has called for doubling manufacturing employment in America.
- In a speech at the Detroit Economic Club in 2009, **Immelt lambasted "buy American provisions**[122]**.**
- In a recent interview with Indian television[123], **Immelt called himself a "globalist"**. He added that **"outsourcing gets a bad name"** and dismissed isolationist sentiment in the United States as a byproduct of high unemployment.

- Is GE even an American company ? (GE does have a verifiable American birth certificate) **60%** of G.E.'s income is derived from its overseas operations and less than half of G.E.'s workforce is American[124] In 2009 GE showed a $498 million loss on its American Operations and $10.8 billion profit abroad. GE's 2010 tax bill: $0.00[125]

- **Immelt promoted financial deregulation[126]** which laid the groundwork for what has become the closest thing to another depression since 1929

- He also promoted and supported China's entry into the World Trade Organization[127]

- G.E. spent more on government lobbying in 2010 than any other company: more than **$39 million[128]**. G.E. was after two things 1) a contract to provide an alternate jet engine (which the U.S. Defense Dept did not want) for a new fighter jet. 2) Approval to merge NBC *(G.E. owns it)* with Comcast. The merger is a done deal, though in a fit of sanity the House killed the engine[129].

The parallels between GE/Immelt and Obama/renewables are revealing:

- Considering GE's predominantly foreign operations, can GE legitimately even be considered an American Company? Wind "farm" developers are overwhelmingly foreign. Solar cells are imported from china which also manufactures the majority of the world's wind turbines – including those labeled: GE.

- As with renewables, the profits go to foreign accounts

- Both GE, Iberdrola and China rely heavily on lobbying and political connections to ensure profits. (See*: "**How Jeffrey Immelt was Bought"**, By ATR1/22/11*www.redcounty.com. *See: Russ Choma's article**: "Wind at their backs: Powerful Democrats help Chinese energy firm chase stimulus money"**. See: **"Federal and New York Officials Reward Spain's Iberdrola at the Expense of U.S. Taxpayers, Job Seekers, and Electric Customers"** by Glenn Schleede March 1, 2010, MasterResource).*

- Both publicly promote employment, while producing the opposite.

- **Greenwashing: "Disinformation disseminated by an organization so as to present an environmentally responsible image" (Oxford Dictionary).**

  Both cloak themselves in "Green"as a front for channeling profits to foreign Global corporations. "Ecomagination" is the key term GE coined for its televised promotions. When asked if it was simply a sales pitch, Immelt responded: *"It's primarily that, in its essence it's a way to sell more products."* For you "Greenies" who fell for the pitch I've included the following: **Immelt on coal:** *"It's here to stay".* It's also an excellent way to sell $30-$35 million GE coal gas fired electrical generators. As Immelt puts it: *"Gas turbines eat up their insides after five to six years…it's a massively good business!"*

Thomas J. Donahue, Head of the U.S. Chamber of Commerce called Obama's Choice a ***"Promising step toward a renewed focus on creating jobs, boosting economic growth and enhancing America's global competitiveness…an excellent choice!***[130] **(huh?)**

Recommended reading**: "Bought and Paid For: The Unholy Alliance Between Barack Obama and Wall Street"** by: Charlie Gasparino *(former NBC news correspondent).* In part, it deals with how NBC (GE owned) promoted Obama in order to gain favorable treatment for GE.

Back to the CFL: The basic problem was that the manufacturing process of the simple incandescent bulb had been continually refined and improved for over a century until it was a model of efficiency. Combine that with negligible material costs and it spelled a death knell. Simply put: there wasn't enough profit margin left. A marketing campaign was mounted to encourage people to switch to the more efficient *(and expensive)* "Green" CFLs. Consumers voted with their pocketbooks and the manufacturers were left with warehouses full of "Green" twisties.

GE, Sylvania, and Philips didn't get to be the world's largest manufacturers of lighting products by taking "No" for an answer. Next, they sat down and wrote a lighting version of **"The National Renewables Standard**" now being hyped in congress. This was then wrapped in **"Green"** *(double entendre intended*) and circulated around Washington. Washington is confused about a lot of things, but, the profit margins of international corporations is not one of them (nor is campaign contributions). In the opening days of the "Great Recession" George Bush affixed his "John Hancock" to a law[131] saving America from the environmental ravages of Thomas Edison's humble incandescent light bulb.

The law is not an outright ban; it simply specifies efficiency standards that can only be met by more complicated, exotic *(and profitable)* designs being produced in China. The traditional incandescent is still being manufactured by GE, Sylvania, and Philips across the border in Mexico: ***"Hey, Senor, wanna buy some marijuana or maybe some reel light bulbs?"****(Or, as one Texan poignantly put it: "The same place we go to buy toilets that flush !")*

Like the incandescent, the CFL was invented in the U.S. At the time it was expensive to produce and offered no marketable advantage over the incandescent bulb. For twenty years it sat on the shelf until a Chinese immigrant* named Ellis Yan[132] got interested. Yan opened the first CFL factory in China and began selling to the major manufacturers. Today, about 75% of all lighting products sold in the world are made in China. Yan produces 70% of all the CFLs sold in the U.S[133].

Ellis Yan:

"For those who make incandescent bulbs the law was bad for business, for people like us, it was ***very*** *good[134]"*

*****The U.S. grants visas and citizenship to more Chinese than any other nationality except Mexico[135]. *(During the cold war it was said that in the event of a war with Russia's vastly superior army, their best strategy would be to surrender a million people a day until their enemy was overwhelmed*) In 2009 the number of illegal Chinese aliens arrested by Arizona border patrol agents increased 1000%[136]. **This won't make you feel any better:** The Government Accounting Office has just announced that only 15% of the U.S. /Mex. border is fully controlled by the U.S. Border Patrol.[137]

Note: I am about to jump the reservation again:

Malthusian doctrine says that there is a limit to the population the earth is capable of supporting. The natural order of things support this: Whenever the population of a particular group of animals reaches a tipping point, balancing systems engage to restore the optimum. The impact of an unprecedented mass of humanity **has** disrupted the balance of nature. We are faced with pollution and a rate of rapid animal and plant extinction of frightening proportions.

Three Possible Solutions:

1. **Development of a radically different and truly clean energy source** capable of providing the energy necessary for universally improving world living standards

2. **Continue consumption but with a programmed drastic reduction in human population.** This would require almost a total abandonment of historical economic, religious and social models.

3. **Reduce consumption of the problematic energy sources.** Without a viable substitute this would require a reevaluation of what constitutes an acceptable living standard. Under the U.N's Agenda 21, population reduction is a necessity – forced if need be (see the Quotes at the end of this paper). As the poor peoples in the undeveloped world historically have high birth rates and de-industrialization of America will return this nation to that status; we can conclude that force will be necessary. I submit that responsible industrialization thru increase energy consumption is the only path that has ever improved overall living standards. With this comes an inherent reduction in population. This, however, cannot occur with the current world energy system**. The energy equation must be solved.**

There are those who suggest: "or remove the polluting effects". Attempts at this so far have simply introduced new pollutants and/or of such an expense that fewer can afford them, so that the end result is still a reduction in energy consumption. In Spite of the "Spin", 99% of the Obama solution is based on option three and cannot succeed without a radically suppressive new world.

In his speeches, Obama's promotes an enticing "Green" Elysian Fields vision of America which we can all aspire to. How we are to get there is revealed by Obama's selection of a man named John Holdren as the presidential science advisor. For the following, I am indebted to Robert Bradley and the Master Resource web site.

From: **Human Ecology: problems and solutions, John Holdren**, Anne Ehrlich, and Paul Ehrlich, Pg. 279*: "A massive campaign must be launched to restore a high-quality environment in North America and to* ***de-develop the United States****. . . . Resources and energy must be diverted from frivolous and wasteful uses in overdeveloped countries to filling the genuine needs of underdeveloped countries. This effort must be largely political".*

From: **Global Ecology, John Holdren** and Paul Ehrlich, Intro pg. 3: *"Only one rational path is open to us—simultaneous* ***de-development of the [overdeveloped countries]*** *and semi-development of the underdeveloped countries (UDC's), in order to approach a decent and ecologically sustainable standard of living for all in between.* ***By de-Development we mean lower per-capita energy consumption****, fewer gadgets, and the abolition of planned obsolescence."*

Note: Planned obsolescence is a reasonable response to the anticipation of advancement in technology. Here, Holdren seems to be promoting a stasis in living standards, a philosophy such as the Amish people have adopted.

From: ***Ecoscience: Population, Resources, and Environment,*** **John Holdren**, Paul Ehrlich, Anne Ehrlich, pg. 954: ***"organized evasive action: population control, limitation of material consumption, redistribution of wealth,*** *transitions to technologies that are environmentally and socially less disruptive than today's, and movement toward some kind of* ***world government"***

Economics is, in essence, the science of survival: how a people acquire the necessities to sustain life. Here is the problem: Currently, the most productive economic model for delivering a rapid increase in living standard fails entirely in the face of declining population. The system is wholly based on ever increasing per capita energy consumption by an ever expanding population. With present energy sources, the end result is the pollution, destruction and social disruption the world is now faced with.

One facet of all this is immigration. The system falters when presented with even a stable population. In the developed world, under current mortality rates, a nation must have a birth rate of 2.1 to maintain a stable population[138]. In most of the developed world it is less than this. In Western Europe it is about 1.5. This produces a 30% decline in population in 30 years. In Spain the rate is 1.2 which produces a 30% decline in 20 years.

All of human society relies upon the young to support the old. Historically this encouraged large families. The developed world under the capitalist economic system has instituted social systems that seemingly disconnected the elderly's reliance upon the young. Some studies have concluded that this has reduced fertility rates by as much as .5 in the U.S. and almost 1.0 in Western Europe. As large families are an economic burden that compete with modern lifestyles and newly enhanced living standards the western world is opting for family size that for a nation is unsustainable

Here is the Paradox:
Once a Capitalist society succeeds; it eliminates itself.
There is no better birth control than economic success.
Tom L.

The developed world has instituted a stop gap measure in the form of increased immigration, which in the volume necessary to work still achieves the same result. As with ancient Rome, the native population eventually is overrun with people who don't share the same values, goals, or abilities. Society segregates along ethnic lines, internal conflict arises, government fails and dissolution follows.

The developed world in its immigration policies is forced to draw upon societies having high birth rates. The overall birth rate of the European Union is 1.5 and it draws its immigrants from the Muslim world (this is ironic as a basic tenet of the Koran is the elimination of infidel non-believers: Koran 9/5 – Google it !)

The Following statistics were taken from the CIA fact book and the U.S. 2010 census:

- France and Germany are now 10% Muslim. This affects international affairs. France and Germany's subdued support and participation in Iraq and Afghanistan is due to a fear of infuriating Muslim radicals within their midst.

  Muslim immigration all over Europe has become a "Hot-Button" issue. A recent poll in Germany found that over 30% of its citizens feel the nation is overrun with foreigners. In Oct. of last year German Chancellor Angela Merkel declared: "Attempts to build a a multicultural society in Germany have Utterly failed!" This was preceded by a statement by Thilo Sarrazin, head of the German Central Bank: "No immigrant group other than Muslims is so strongly connected to the welfare state and crime!"[139]

- In 2007 Spain with a birthrate of only 1.41 instituted a "cash for babies" program: parents were rewarded with approx. $3,000 per child. The program failed and was eliminated last year[140].

- In the Arabic world 70% of the population is under 30 years old. In Yemen 70% are under 25 years of age. In Saudi Arabia, half are under 20.

- In Iraq the birth rate is 4.26 - Double the replacement rate

- In Israel the overall birth rate is 2.72. The great majority of this is due to the Arab portion of the population. It is predicted that as early as 2020, the Jews will be a minority in their own country.

- By 2020 half of all births in the Netherlands will be non-European.

- [141]While the U.K. has historically been a refuge for white Europeans, new immigrants are predominantly from Pakistan, and the Indian subcontinent. However in this decade it is expected that the number of Asian immigrants will increase from 1.5 to 2.5 million. Currently Immigration is the highest in the nation's history, Leicester has recently become the first British city with a white minority and British citizens are fleeing their homeland at the highest level since before WWII. Since

Labor came to power in 1997, 3.9 million immigrants have displaced 1.8 million Brits. More British now live abroad than any other nationality. There are 41 countries with more than 10,000 British living there and another 71 countries with more than 1,000.

- Japan's birth rate is 1.2 and with 21% of its population over 65. Unwilling to dissolve itself into riot of races the little nation has simply decided to fade into history.

- The U.S. birth rate is at 2.01 and that due mostly to the 16% Hispanic portion (predicted to double by 2050). Overall America is 30% immigrant and California has recently joined Hawaii and New Mexico as states with a white minority.

Mexico's stability as a nation is due only to the U.S. dollar. The dollar conduit is sustained, in part, by maintaining legal immigration rates as high as the public will endure. Even this is inadequate and the shortfall is made up by NAFTA and a porous border joined with lax interception and deportation. Mexican expatriates (due to the depressed U.S. economy) are sending fewer dollars home. Next to Oil this is Mexico's largest source of revenue. Remittances dropped 16% in 2009[142]. The fear is that in the event Mexico slides into anarchy and revolution, an unstoppable flood of refugees would pour across the U.S. border (A preview of this occurred last fall: See: "Mexico: Drug War Refugees, Feral Jundi, Apr. 6, 2010). President Reagan through a series of Executive Orders directed FEMA to designate containment areas (detention centers) for this event as well as for U.S. citizens should there occur mass civil unrest following an economic collapse or widespread objection to an unpopular war (google FEMA camps).

As with Germany, U.S. National politics are affected by any substantial foreign presence. The logical outcome of the continued influx and assimilation of illegal Mexicans is the eventual integration of Mexico as the next U.S. state. It has long been speculated that this is the unannounced goal of NAFTA. Credence to this is lent by its continued existence, in spite of its outright failure of offering any economic benefit to the U.S. *(outside of a few powerful multinational corporations).*

Our immigration policy regarding China can be thought of as a modern variant on a routine practiced during the age of monarchies. Kings would marry foreign royalty and exchange relatives which were then held as a sort of insurance against untoward actions on either's part.

Consider:

- China has far more Chinese people than they need or want.
- Those that are transferred to this country facilitate the continued enrichment of mainland China.
- The U.S. government lives in dread that mainland China will cease buying our debt and/or dump what they now own.

The exchange is U.S. debt on one hand and Chinese immigrants on the other *(or as a particularly perceptive friend of mine said after reading Ellis Chan's statement (pg. 39):* ***"They get the Gold Mine and we get the shaft !").***

~

Ken Salazar and the Obama Offshore Wind "Farm"

Corporate wind representatives have to get up early to outdo the distortion of facts and outright lies spewed by politicians and bureaucrats at all levels. On April 6, 2009, The United States Secretary of the Interior Ken Salazar while promoting the Cape Wind offshore project in Atlantic City, NJ, demonstrated a notable lack of admiration for the truth:

"According to our report there are over 1,000 gigawatts of power, that's a million megawatts of power that are developable off the Atlantic coast. That's a tremendous amount of energy that's out there in the Atlantic.. ... It is not technology that is pie-in-the sky; it is here and now. "

Ken Salazar

A part of me wants to believe the man is simply mentally deficient.
The larger part is not so easily fooled.

Let's do the math for Salaar's "*Obama Offshore Wind "Farm":*

Since Salazar was promoting the Cape Wind project[143], let's expand it the full 1800 mile length of the East coast. The Cape wind turbines are spaced .34 miles apart: 1800 / .34 = 5294 turbines. The turbines are produced by Siemens (German) and have a maximum output of 3.25 Mega Watt (MW = 1,000,000 watts). If we multiply 3.25 x 5294 we find that each row produces 17,206 MW. Salazar stated that there was over a 1000 gigawatts developable and that equals one million megawatts so we will divide that by 17206: 1,000,000,000 / 17206 = 58 rows. The Cape Wind rows are separated by approx. one half mile: 58 x .5 = 29 miles.

If the Obama wind "farm" actually produced the full nameplate rating, it would extend from the northern tip of Maine to Ft. Lauderdale and 29 miles out to sea !

It won't ! Because wind is variable and intermittent, the U.S. average output is on the order of **25%**[144] of full name plate rating ! I'm going to be generous here and use an efficiency rating of 33.3%. So, in order to get to the full million megawatts we will have to triple the number of rows: 3 x 29 = 87 miles. The Obama wind farm now stretches the full length of the Eastern Seaboard and out to sea **90 miles** ! As absurd as that is, we're still not through**:** we haven't made any provision for sea lanes *(on the other hand – we do have an excellent yacht racing slalom course!)* If we

dedicate 25% of the "farm" area to create a network of sea lanes to accommodate shipping and fishing traffic, and then, add enough rows to make up the loss we are now **109 miles out to sea !** The total area of the **Obama wind "Farm" is 196,200 sq. miles** *(twice the size of Wyoming - to achieve the same output with nuclear would require 256 sq. mi.- a little larger than Austin, Texas)!*

To produce one million mega watts with 3.25 MW turbines of 33.3% efficiency will require **923,077 turbines**. If we divide the $2.5 billion Cape wind project by the number of turbines used (130) we get a figure of **$19,230,769 each** installed. If we multiply that times the 923,077 turbines required for the **Obama wind "farm"** we arrive at a **project cost of $17,750,000,000,000**. That is $17 trillion 750 billion dollars.

- **Three times the combined total income earned by every working American in 2009** ($5.9 trillion). ! In other words: "How much did you make? Send it in – for three years!" Not to worry though, your health care is taken care of – no wait, you're going to be penalized because you won't have the money to buy the mandated health insurance policy (or for that matter: food either)!
- **Over one and a quarter times the Gross National Product** *(or, if you prefer, the current national debt - they are about the same).* The combined value of all the goods and services created in this nation in one year would only cover four fifths of the cost – and since the life expectancy is 20 years, we get to do it again every 20 years ! And they say Nuclear is expensive. Expanding our current nuclear fleet enough to generate all our power would cost less than a fourth of this.

Some Nuclear Power facts:

- **Production costs are 6.5 cents per kWh** *(according to the Electric Power Research Institute - half that of wind)*
- **Efficiencies of over 95% as opposed to 25% for wind "farms"**[145]
- **More than half of existing U.S. nuclear power plants have had their 20 year license extended to 40 years and there are some now being evaluated for 60 years**[146]**.** *(At 40 years a nuclear plant will have produced 6 times the power of a wind plant of the same rating; at 60 years – 9 times)*
- **Nuclear power plants can be placed at optimum locations – near demand and near existing grid.** *(this is significant as distance increases transmission losses)*
- **Nuclear power is nearly emissions free,**
- **Virtually unaffected by fuel *(uranium)* price fluctuations**
- **France generates more than 80 percent of its electrical energy using atomic power**
- **Roughly 96 percent of spent nuclear fuel rods are recyclable**[147]
- **A 1200 megawatt nuclear power plant can be built on 200 acres. An equivalent wind farm at 50 acres per megawatt would require 60,000 acres (1200 wind turbines)!**[148]

The following is from a Yale University report: **"Green Energy's Big Challenge: The Daunting Task Of Scaling Up",** By David Biello**,** 25 January, 2011*: "Just to supply one-quarter of its*

current energy mix with nuclear power — the U.S. would need to build 1,000 one-gigawatt nuclear reactors by 2050. And just to power an electric car and truck fleet to replace the U.S.'s current gas and ethanol-fueled one would require 500 new nuclear power plants. There are currently 442 reactors in the entire world, of which the U.S. has 104 — the most of any nation. It's not just a matter of making the necessary equipment, it's also a question of finding the space for it. A coal-fired power plant produces 100 to 1,000 watts per square meter, depending on the type of coal it burns and how that coal is mined. A typical photovoltaic system for turning sunlight into electricity produces just 9 watts per square meter, and wind provides only1.5 watts per square meter!

Who would have thought that wind power could make nuclear power look good !
(Who would have thought Obama would make George Bush Look good!)

Back to the Obama offshore wind "farm": there are a few other issues that sabotage Salazar's claim of "developable". Most of it would be at a depth where anchoring is impossible, the substation would be the size of Rhode Island, and, one last thing: **connecting the turbine array would require 392,900* miles of cable – that's 16 times around the earth** ! I actually have no Idea what this might cost, but let's assume it's at the whimsically low avg. price of $10,181 a mile. That comes to **$4 billion.** The homerun cable would be the "size of a barn" and God help any fish within a 1000 miles if ever there was a "short" !

***** 109 miles / .5 x 1800 miles + 500 miles of homerun and lateral links

Then there is the intermittency issue. When wind production drops to below demand we are going to need conventional standby generators spinning and ready to fill in the gaps (add Massachusetts).

At this point I would like to invite any interested **"Green" Energy Environmentalists"** to debate CO2 displacement, against the mining smelting, manufacturing, transportation, installation and connection of all the steel and copper necessary for **460,578 wind turbines and 392 thousand miles of cable** needed for the **Obama offshore Wind "Farm"** *(I'm not even going to get into the conversion of Rhode Island into a substation). S*peaking of cable, let us not forget that the cable sheathing is a crude oil product, as is all the diesel fuel that will be consumed *(I'm going to stick my neck out here and assume that most of this will not be achieved with wind or solar power, and, (for at least, on this project), we will be laying aside our concern for reliance on imported oil).*

I'm willing to admit to a bit of over dramatization here. After all, Obama only proposed constructing enough wind capacity to supply 20%* of U.S. power requirements: So, **.**2 x $17.75 trillion **= $3.55 trillion (over one fourth of the national debt)**. I don't feel so nauseous now, the cost of the new downsized **Obama offshore wind "farm"** will only take every cent earned by every working U.S. citizen for **only 7 months** (*before taxes*). Let's not forget that once built we will be paying tripled power cost *(see "Cape Wind: Spreading the Pain", by Lisa Linowes).* Also, remember that the life expectancy of a wind turbine is 20 years. Before it is finished we will have to start over again – this will be good for employment figures. (In Obama's recent State of the Union Address he updated this to **80%** from clean energy sources by 2035 – I'll leave it to you to quadruple the previous figures!)

The Obama Offshore Wind "Farm"

It has taken some 5,000 years but a man has finally come along with a mind expanded enough (Harvard) to dream up a boondoggle grandiose enough to put the pyramids "In The Shade"!

(I fully expect all of China will burst forth in monuments erected in his honor !)

. Tom L.

Before I take the next diesel boat back to dry land *(and reality),* it occurs to me that Salazar and Obama may actually be onto something here**, this will surely create not just thousands, but millions of jobs!**

Your Tax Dollars at Work

The astounding cost of Cape Wind @ $6 million per mega watt is dwarfed by this solar project in my home state of Arizona (compare construction costs[149] - advanced nuclear-$2.1 million mega watt (90% efficient), Coal plant-$1.3 million mega watt (85% efficient), see page 5).

From: **greenenergyreporter.com** January 24, 2011: *"Last month (December), the North American unit of Spanish developer Abengoa Solar secured a $1.45 billion loan from the Department of Energy to build a 250 megawatt Concentrated Solar Power plant in Gila Bend, Ariz. Total project costs stand at about $2 billion –* ***that's a whopping $8 million per megawatt*** (40-60% efficiency. T.L.)***. The sky high price tag underscores why government subsidies are so crucial to the green sector, now and for the foreseeable future."***

~

" ...that is how we will achieve the number one goal of my plan - which is to create three million new jobs, more than eighty per cent of them in the private sector."*

Barack Obama in his weekly radio address – Jan 8, 2009

*****In an Oct. 13, 2008 speech it was five million: a 40% variation. One expects a well thought-out "Plan" to have more concise numbers. Fantasies, on the other hand, have lots of "wiggle room".

What got my attention here was: **"…more than eighty per cent in the private sector."** Let's say that leaves **18% in the public sector:** .18 X 3,000,000 = **540,000 new bureaucrats.** There are currently about 2 million federal employees. 540,000 is 27% of that. This is more than a 25% expansion of the federal government in order to achieve a 2% increase in employment ! (I'm ignoring the inevitable collateral job losses in other sectors) This is another outstanding example of a "Bottom-Up" welfare program as well as **"Obamanomics"** at its' best.

A Study in Lemming Psychology

(Where President Obama embraces the European model of "Green" Economics)

"And think of what's happening in countries like Spain, Germany and Japan where they're making real investments in renewable energy. They're surging ahead of us, poised to take the lead in these new industries."

Barack Obama - January 16, 2009

After decades of massive investments in renewable energies, Europe has began evaluating their "*progress"*

- A report from Madrid's King Juan Carlos University concluded that ***Spain's "green jobs" program was an economic failure***. Looking for a way to stave off a disastrous collapse and massive unemployment, the president of Spain's Renewable Energy Association concluded: ***"the only way is finding other countries that will give taxpayers' money away to our industry****." (The Obama administration has since awarded Spanish wind giant Iberdrola $577 million dollars in stimulus funds – which I don't doubt they found stimulating)*
- A report issued by a renowned German economic research institute warns against the continuation of Germany's ***"massive expenditures that show little long-term promise for stimulating the economy, protecting the environment, or increasing energy security"***
- The chair of the energy dept. of the Danish parliament declared the Danish wind energy program ***"A terribly expensive disaster"***.
- ***Sir Martin Holdgate****, Former Head of International Union for the Conservation of Nature:*

  "The trouble with wind farms is they have a huge spatial footprint for a piddling little bit of electricity. ***You would need 800 turbines to replace the output of a coal fired power station"***
- *Richard Courtney (Reviewer for the UN Intergovernmental Panel on Climate Change):*

  "With the right subsidies, wind could become a viable energy source. And, with the right subsidies, gasoline could be made free, and 2-carat diamonds could be given away in cereal boxes. **If wind power was economical then oil tankers would be sailing ships"** (see page 69).
- *Jytte Kaad Jensen, Chief Economist for Eltra, Denmark's biggest electricity distributor:*

  "In just a few years we've gone from some of the cheapest electricity in Europe to some of the most costly[6]"
- *Editorial in Der Spiegal:* **"The dream of environmentally friendly energy has turned into a highly subsidized destruction of the countryside."**

- *Hans-Joachim Mengel, Professor at Berlin University:*

"The turbines are the worst desecration of our countryside since it was laid waste in the 30 Years War nearly 400 years ago."

Regarding Japan: This is an Island nation approximately the size of Montana. "Surging ahead" has resulted in a remarkable **1.3%** of their power supplied by renewables. Japan possesses something else Obama feels is worth aspiring to: the record in the developed world for having the highest debt to GNP ratio: **200% !**

Spain

In March of 2009, Madrid's Universidad of Rey Juan Carlos produced a report entitled:

STUDY OF THE EFFECTS ON EMPLOYMENT OF PUBLIC AID TO RENEWABLE ENERGY SOURCES

By: Professors Gabriel Calzada Alvarez (Applied economics), Raquel Merino Jara and Juan Julian

Following is professor Alvarez's summary as presented before the U.S. Congressional Committee on Environment and Public Works hearings on "Climate Change and Ensuring That America Leads the Clean Energy Transformation" - August 6, 2009**:**

President Obama has made clear his intention to follow Europe's lead in employing state intervention in the economy to "create" what are called "green jobs", specifically as a path out of the current economic troubles. Europe's experience actually suggests that this is precisely the wrong approach,

- ***For every 1 green job financed by Spanish taxpayers, 2.2 jobs were lost***
- ***Only 1 out of 10 green job contracts were in maintenance and operation. Since 2000, Spain has committed €571,138 ($753,778) per each "green job,"Those programs resulted in the destruction of nearly 110,500 jobs.***
- ***Each "green" megawatt installed destroyed 5.39 jobs elsewhere in the economy.*** *(This is an average. The body of the report listed: 8.99 for photovoltaic, 4.27 for wind energy, and 5.05 for mini-hydro. Tom L.)*

"Spain has already attempted to lead the world in a clean energy transformation. But our research shows that Spain's policies were economically destructive. For a Spanish economist it is hard to understand why a market-oriented country like the U.S. with relatively low unemployment would want to learn how to create jobs from an economically interventionist experiment in a country like Spain - where the unemployment rate is historically much higher (presently around 18% and rising) - that has not helped to reduce unemployment but on the contrary has produced a net destruction of jobs."

THE RENEWABLE ENERGY BUBBLE—HOW WAS IT CREATED?

The way Spanish politicians have supported renewable energy production is the so-called feed-in price system or tariff. Under this scheme, distributors of energy pay the producers of renewable energy a regulated price above the market price, reaching more than 100% over market price in wind energy and over 500% in solar photovoltaic energy in the Spanish case.

Under those stimuli wind energy grew 900% from the year 2000 to the end of 2008. In the same period of time solar photovoltaic energy production grew from practically nothing at the beginning to almost 3,000 MW.

While this produced approx. 50,200 related jobs, only 9.58% of the contracted green jobs at the renewable sector were in the permanent field of maintenance and operation. 66.27% of the jobs were in the temporary fields of construction, fabrication and installation which can only be sustained by additional plants that in return require new public aid.

The feed-in price system and the bubble produced a deficit to the energy distributors (called the rate deficit) that the government promised to repay. The rate deficit (mainly produced by renewable subsidies) that started in year 2000 with 250 million Euros and in year 2008 was already 5 billion Euros, has now an accumulated amount of over 16 billion Euros (more than $23 billion USD).

Our experience shows this will be economically harmful for consumers of electricity and for the society as a whole.

The only ones who benefit…and benefit handsomely…. are the corporate interests who are paid princely sums for their fashionable but inefficient *energy.*

Gabriel Calzada Alvarez - Professor of Economics, University of Rey Juan Carlos, Madrid, Spain

Here are a few other highlights from the Spanish experiment:

- Spain's total annual subsidy committed to "Green" generation of electricity is about **$37 billion USD**[150]**.**

  Note: Spain's economy is one ninth the size of America's. If Obama follows through, and actually models his "Green" agenda after Spain's, we can expect our current annual "Green" subsidy bill of **$11,3 billion**[151] to become $342,000,000.000 ***($342 billion).***

- According to Spain's energy regulator, the price of electricity in Spain would have to be increased **31%**[152] to repay the historic debt generated by the "Green" energy deficit..

- Spanish citizens must now chose between higher utility rates or increased taxes (and public deficit).

While the following four conclusions sum up the Spanish wind energy experience. With few exceptions, they have been the predictable outcome everywhere a "green" energy agenda has been instituted.

First: Not only did the goal of jobs production fail to materialize. Those that were produced were more than offset by losses in other sectors

Second: The high cost of electricity produced by wind farms jeopardizes the overall economy by especially penalizing the more energy intensive companies while impacting all consumers.

Third: Spain's choice to pay above market prices for wind and solar generated electricity removes from the national economy a vast amount of capital that could have been better spent on more productive investments.

Fourth: The subsidized industries are wholly dependent upon governmental largesse that when interrupted, dooms the industry to collapse and destabilizes the nation's economy. These include investment losses, unemployment, loss of capital, and disruption of communities now saddled with massive hulks of non-productive machinery

Note: Spain is now in the process of cutting wind subsidies by 35% over the next 30 months. Last summer, Spain scaled back its solar subsidies 30% and the entire industry went down faster than Bill Clinton's zipper. Investment in renewables has come to a screeching halt and thousands have joined the unemployment lines[153].

Germany

Germany's massive investment in subsidies and feed-in tariffs to support renewable energies has failed to achieve any of the national goals of emissions reductions, employment, or reliable energy production !

Rheinisch-Westfälisches Institut für Wirtschaft sforschung

Economic impacts from the promotion of renewable energies: The German experience

Final report – October 2009

Project team: Dr. Manuel Frondel, Nolan Ritter, Prof. Colin Vance, Ph.D.

Abstract

The allure of an environmentally benign, abundant, and cost-effective energy source has led an increasing number of industrialized countries to back public financing of renewable energies.

Germany's experience with renewable energy promotion is often cited as a model to be replicated elsewhere, being based on a combination of far-reaching energy and environmental laws that stretch back nearly two decades. This paper critically reviews the current centerpiece of this effort, the Renewable Energy Sources Act (EEG), focusing on its costs and the associated implications for job creation and climate protection.

We argue that the government's support mechanisms have in many respects subverted these incentives, resulting in massive expenditures that show little long-term promise for stimulating the economy, protecting the environment, or increasing energy security.

Executive Summary:

An aggressive policy of generously subsidizing and effectively mandating "renewable" electricity generation in Germany has led to a doubling of the renewable contribution to electricity generation in recent years.

A law passed in 2000 guaranteed continued support for 20 years. This requires utilities to accept the delivery of power from independent producers of renewable electricity into their own grid, paying far above their production cost of 2.9-10.2 Cents US $ per kilowatt hour (kWh).

By 2008 this had led to Germany having the second-largest installed wind capacity in the world, behind the United States. This explains the claims that Germany's feed-in tariff is a great success. Installed capacity is not the same as production or contribution, however, and by 2008 the estimated share of wind power in Germany's electricity production was 6.3%

On-shore wind, widely regarded as a mature technology, requires feed-in tariffs that exceed the per-kWh cost of conventional electricity by up to 300% to remain competitive.

Consumers ultimately bear the cost of renewable energy promotion. In 2008, the price mark-up due to the subsidization of green electricity was about 2.2 Cents per kWh meaning the subsidy accounts for about 7.5% of average household electricity prices

While employment projections in the renewable sector convey seemingly impressive prospects for gross job growth, they typically obscure the broader implications for economic welfare by omitting any accounting of off-setting impacts.

These impacts include, but are not limited to:

- *job losses from crowding out of cheaper forms of conventional energy generation*
- *indirect impacts on upstream industries*
- *job losses from the drain on economic activity precipitated by higher electricity prices*
- *private consumers' overall loss of purchasing power due to higher electricity prices*
- *diverting funds from other, possibly more beneficial investment.*

It is most likely that whatever jobs are created by renewable energy promotion would vanish as soon as government support is terminated, leaving only Germany's export sector to benefit from the possible continuation of renewables support in other countries such as the US.

Claims about technological innovation benefits of Germany's first-actor status are unsupportable. In fact, the regime appears to be counterproductive in that respect, stifling innovation by encouraging producers to lock into existing technologies. In conclusion, government policy has failed to harness the market incentives needed to ensure a viable and cost-effective introduction of renewable energies into Germany's energy portfolio.

Policymakers should thus scrutinize Germany's experience, including in the US, where there are currently nearly 400 federal and state programs in place that provide financial incentives for renewable energy.

Some details from the report:

- Germany mandated a feed-in tariff *(**National Renewable Energy Standard**)* - which requires electrical utilities to buy renewable electricity. It is now abundantly clear that **wind energy costs three times as much as conventional energy and solar power costs eight times as much.**

- The cost of subsidies for wind and solar power production from 2000-2009 is over **$101 billion**. In 2010 the total subsidy bill came to about $21 billion dollars. The reward has been a renewables industry that provides less than **7 percent** of the nation's electrical power. (*As of July 1 of this year, Germany has reduced the subsidy for new solar installations by 15% - the Environment Ministry has requested 25%. Tom L.)*

- Each new green job cost the German people an average of **$240,000 in subsidies.**

In 2008 Germany had a little more than 8,000 wind turbines towers[154]. The total combined nameplate rating was **24,000 mega watts**. For the whole of the year 2008, those wind towers delivered about **21%** of that. That is less than 3 large coal fired power plants. Under German law the turbines are only required to deliver a minimum of **6%.**

In 2005 Germany's single largest grid controller, **E.ON Netz** GmbH, produced a refreshingly honest report on the impact of wind generation on that nation's power system. The following is an abbreviated, paraphrased and less technical version of the original:

Wind Report 2005

E.ON Netz GmbH

*Within the E.ON Netz grid sector on Dec. 31, 2004, there was 16,394 MW of wind power capacity. The average feed-in was 1,295 MW or, 18.37% of full capacity. The **highest** recorded wind power feed-in in the E.ON grid was just above 6,000MW for a brief period (**85%** of the maximum installed wind power capacity).*

Wind levels are the result of weather patterns. Cold winter months and hot summers both produce periods of stable high-pressure weather systems with little wind. In these periods, the contribution made by wind energy to meeting electrical demand will be minimal.

The increased use of wind power in Germany has resulted in uncontrollable fluctuations occurring on the generation side due to the random character of wind power feed-in. On very windy days, normal operation of the transmission grid is sometimes no longer possible. Special switching measures are needed, in order to prevent wind power-induced grid overloads and consequently supply failures occurring.

Adequate quantities of electrical energy cannot be commercially stored. This means that exactly the same amount of energy must be fed into the grid as is taken out. If the amount fed in differs from the amount removed, this can cause faults or even failure of the supply, as occurred in 2003 in the USA, Italy, Sweden and Denmark.

Whenever wind power is integrated into the grid, a reserve of idling standby units are critical in order to maintain grid stability. If there is no idle power, or if the distance between the feed-in points are too great, then the voltage situation can deteriorate, and may even cause a voltage collapse in the grid.

Wind energy is able to replace traditional power stations only to a limited extent. As a product of prevailing wind conditions, wind power has a limited load factor even when technically available. Its' fluctuating character means that it can never be relied upon to supply more than an intermittent per cent age of electrical demand. Consequently, ***traditional power stations with capacities equal to 90% of the installed wind power capacity must be permanently online*** *in order to guarantee power supply at all times. Our projections are that in 2020, with a forecasted wind power capacity of over 48,000 MW (Source: dena grid study), only 2,000 MW of traditional power production can be replaced by these wind farms.* ***As Wind energy is scheduled to play an expanded role in Germany's power regimen, this will in the future, be the predominant determinant in standby requirements.***

IN PLAIN ENGLISH: no amount of wind power can substitute for reliable generation. Further, the more wind power you have, the more fossil fuel back-up is required and this will diminish to a miniscule amount any anticipated emissions reductions.

Chair of Energy Management and Applications Engineering at the Technische Universität:

> *"Balancing out variations in capacity brought about by fluctuating wind power feed-in and possibly power station failures is a key duty of the transmission system operators. The increased use of wind power in Germany has already led, over the past few years, to a marked increase in reserve power requirements"*

The full cost is finally becoming clear. This year (2011) the "eco-tax" added to each electrical bill was boosted to the equivalent of three and a half cents per kWh from one and half cents[155] (a 30% increase). The renewable subsidies are guaranteed for 20 years so the fun is just beginning.

Here are a few other examples from "Across the Pond":

Denmark

On Earth Day Obama declared Denmark an inspirational model for wind power. Denmark is Europe's most wind intensive nation[156]. They also pay the highest electrical rates in the developed world – four times what we here in the U.S. pay.

- Wind-related jobs in Denmark are subsidized at the rate of 175 to 250 percent above average pay, roughly costing taxpayers $90,000 to $140,000 for each "green" employee[157].
- The chair of the energy dept. of the Danish parliament declared the Danish wind energy program ***"A terribly expensive disaster"***[158]
- Fleming Nissen, Head of Denmark's largest energy utility stated: ***"Wind turbines do not reduce carbon dioxide emissions."***[159]
- ***"Windmills are a mistake and economically make no sense."*** Neils Gram, Danish Federation of Industries[160]

Despite Obama's adulation, the Danish government cancelled plans for three offshore wind farms planned for 2008 and has scheduled the withdrawal of subsidies from existing sites[161]. The Danish wind turbine manufacturer Vestas is closing four factories in Denmark and one in Sweden. Further Construction of wind "farms" in Denmark has effectively halted[162].

[163]Denmark more than doubled its production of wind energy between 1999 and 2007. Yet Energinet.dk, the operator of Denmark's natural gas and electricity grids, concluded that carbon dioxide emissions from electricity generation in 2007 were at about the same level as they were back in 1990. That there wasn't an **increase** in CO2 is attributed to a near zero population growth rate combined with instituting the highest consumer electrical rates in the developed world.

Last year, as the full realization of the boondoggle began to sink in, Europe's governments have began to cut the subsidy lifeline and the wind scammers are relocating to where the "pickin's" are better – primarily the U.S.A. While reading the following please note the similarities to the statements given by Solandra (page 47) and TPI Composites (page 42):

Vestas slashes 3000 European jobs in readiness for slow 2011 - 26 Oct 26, 2010 **...** Danish wind turbine manufacturer says it must retain competitiveness after confirming 2011 orders are likely to fall compared with 2010, *www.businessgreen.com*

Ditlev Engel, Vestas president and chief executive, issued a statement alongside the results insisting that the restructuring was necessary to maintain the company's long-term competitiveness

"Based on the expectations we have for 2011 in Europe, however, we must now recognize that a higher European level of activity will not be realistic – at least not in the short term," Vestas' Mr. Engel said

He added that despite the fall in sales; Vestas' market position had never been stronger, arguing that the job cull would protect future growth.

Here in the west we read this as:

"It's time to cut and run"

(See page 84)

Thomas J. Pyle, president of the Institute for Energy Research, is unequivocal in his warning:

> *"In the case of Denmark, you have a nation of 5.4 million, occupying The some of the most wind-intense real estate in Europe and it still doesn't even come close to the 20 percent threshold envisioned by President Obama for the United States. This may indeed be the new model for the future — but only if you believe that a combination of smoke, mirrors, and prohibitively high utility rates are the key to our economic and environmental salvation"*

Ireland

The Research and Library Services Dept. of the Northern Ireland Assembly has estimated that "incorporating 30 GW of additional renewable capacity into the European grid *(to meet the EU's 2020 target)* will require a further 14 -19 GW of new fossil fuel and nuclear capacity". In plain Gaelic**: Including renewable energy in the mix will require an additional 40-60% of conventional "back-up" generation !** And this, from a country classified as having one of the best wind resources in Europe *(35% efficiency compared to America's 25% avg.)*

United Kingdom

U.K. Energy secretary Chris Huhne admitting the necessity of conventional energy systems whilst attempting to replace them with renewables:

Will UK competition be sacrificed at the altar of low-carbon power? Feb 28, 2011, By Alex Forbes, www.europeanenergyreview***:*** Energy Secretary Chris Huhne said: ***"As old coal and nuclear plants shut down - and demand for electricity grows - we must build the next generation of (conventional) power stations . . . The reserve margin will fall over the next decade, and the risk of interruptions to our energy supplies will rise."*** *Over the coming decade the UK needs to replace a quarter of its power stations. At the same time 30% of the nation's electricity will need to come from renewables, by 2020, to meet the EU's renewable energy target. The country will also need new nuclear and gas-fired power stations****, with gas-fired power playing a key role in backing up intermittent renewables. ….the government is not confident the current market***

will guarantee enough electricity at peak periods - because of an expected fall in the reserve margin of spare generating capacity.

Huhne's* admission was done in classic political doublespeak, here's the British translation*: "Sorry chaps, we've encountered a bit of a sticky wicket here. It seems the "green" thing has gone "Buggers". I'm afraid the billions of pounds sterling we have lifted from your pocket books, have gone for naught. But, all is not lost, for a few billion pounds more we, can jolly well reconstruct the old system ! (Crikey!)*

*****Chris Huhne, like Obama, is a *"Wild Eyed"* rabid promoter of "Green Energies". Among the UK citizenry, anyone displaying similar irrationalities is referred to as a **"Huhnetic"!**

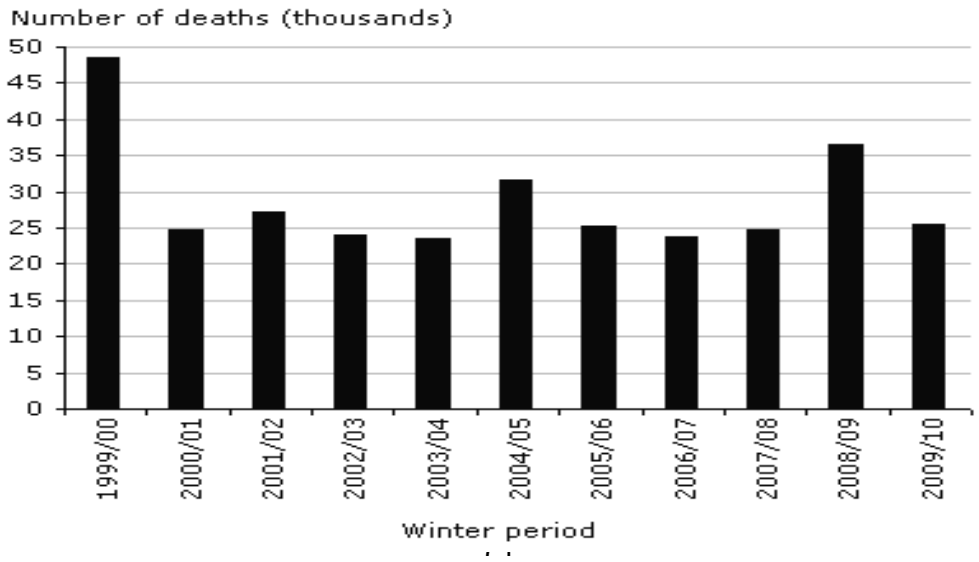
From Environment, 25 Feb., 2011*: "The obscenity of fuel poverty: where the poorest freeze – and pay to subsidize solar panels on the roofs of the wealthy. There are 5.5m UK households today living in "fuel poverty" – and thanks to carbon emissions targets and renewables commitments, the average household will have to pay £300 ($500) extra every year to 2020".*

This was a more optimistic forecast than the London Telegraph issued on Dec. 16, 2010:

"**£500 on electricity bills to pay for green energy**" - Electricity bills will have to rise by up to £500 ($820)a year to pay for a new generation of… power stations, *www.telegraph.co.uk*

The U.K. defines "fuel Poverty" as consistently having an energy bill exceeding 10% of income. "Extreme" fuel poverty is 20%. The percent age of U.K. citizenry living in "Fuel Poverty has risen with the integration of renewables. The figure almost tripled between 2003 and 2008. In 2010, 18% of the nation lived in "fuel Poverty" (in Scotland - 33%). In light of the U.K.'s new expanded "Green" goals, European banking giant Unicredit announced that U.K. household can expect their utility bills to quadruple by 2020

.U.K. Winter Deaths



From: The London Independent: **"Fuel bills blamed for 50% rise in winter deaths",** Martin Hickman, Consumer Affairs Correspondent, 25 November 2009:

"The number of deaths during the coldest three months of the year were up almost 50 per cent on the previous year to 36,700, sending an extra 10,000 pensioners to early graves, new figures showed yesterday.

As fuel bills have soared over the past six years, the number of households in "fuel poverty" has risen five-fold to 6.6 million this year.

Britain has a worse record on winter deaths than colder European states such as Sweden, Norway and Finland. Age Concern, the charity for the elderly, warned that unless heating was made more affordable, further large-scale deaths would occur this winter.

According to Age Concern's polling, four in 10 pensioners will not be able to afford to switch on gas and electricity when they want to this winter. Released in November, the Excess Winter Mortality figures for the preceding winter show the increase in the number of deaths in England and Wales over the coldest three months compared with the rest of the year.

Last winter more than 90 per cent of deaths were pensioners, who are among the least able to afford heat but the most vulnerable to cold-related disease, such as seasonal flu, hypothermia, bronchitis and emphysema".

~

As a shining example of how absurd and upside down things can get in the socialist "Green" world: there are increasing incidences of the British government paying wind generation facilities **not to produce[164] !** *(The U.K. Royal academy of engineering published a research report stating that when the required standby generation is considered; onshore wind costs 2 to 3 times that of coal. There are additional expenses beyond production costs, a recent study by the consulting firm Verso Economics concluded that in Scotland: every "Green" job created destroyed four jobs in the rest of the economy. For the rest of the U.K. the figure was 3.7[165])*

Wind prediction makes astrology look good. Utilities have found that for grid safety they can only plan for a minimal amount of availability (in Texas it is 8.7% of total nameplate capacity). If they guess wrong the sudden influx can bring the entire system down. To prevent this, the utilities are forced to eliminate or divert a portion of the unanticipated power (both Denmark and Ontario frequently are forced to do this at a substantial loss). Wind corporations have federally mandated preferred status written into their contracts. Under these circumstances, the utilities often find that the grid is best protected by paying the wind "farm" not to produce. British Coal and Gas plants are typically **fined** $15 - $33 per megawatt hour when they fail to produce their contracted volume. Last year, wind developer Scottish Power was **paid** almost $300 MWH for not producing ! *(This, while tripling university tuition rates)*

* A similar situation is developing at the Bonneville power system in Oregon[166]. Wind production is so inefficient that even with massive subsidies; every possible watt has to be *"wrung out"* in order to turn a profit. During spring run-off the Hydro system production is more than adequate as this a low demand period and "backing it off" beyond a certain level creates problems within the system.

The problem is that the best wind production periods are inverse to demand *(every way you look at it things are either backwards or upside down in the windy world).* Spring and fall are the peak production periods for wind "farms". The intermittency and unreliability of wind dictates its position as auxiliary only. In a normal world auxiliary systems are off-line when not needed. Here is the conflict: The Bonneville power authority doesn't want or need wind power in the spring (especially at two to four times the cost). But, wind producers are demanding to be paid anyway – a classic example of the tail wagging the dog *(and an outstanding example of Obamanomics).*

In West Texas it is not uncommon for wind producers to **pay** utilities to take their power production[167]. Market data has shown instances where wind energy producers have paid as much as $35 kWh before shutting the turbines down (that should tell you just how profitable the subsidy system actually is). Since the power can't be stored; the utilities are throttling back base load coal or gas plants. These plants are designed to run most efficiently and with least pollutants at high production rates. By throttling back in order to take the wind production, emissions are actually increased.

It seems everything in the "Green" world is either "upside down" or "Arse backards"

Tom Lahman

"If I had a world of my own, everything would be nonsense. Nothing would be what it is, because everything would be what it isn't. And contrary wise, what is, it wouldn't be. And what it wouldn't be, it would. You see?"

The Mad Hatter

The world of macro economics revolves around numbers. It is easy to forget that underlying all of it is the human experience. Through the ages, man has recognized that certain areas of God's creation are of special significance. These sites have been revered by peoples for centuries yet hold no significance in the onslaught of global wind developers. Personal tragedies don't translate well into numbers:

"By the headwaters of the River Findhorn, lies Carn na Saobhaidhe, the cairn of the fox's den, arguably the remotest Corbett in the land... a vast, sprawling hill which I first climbed with my friend Peter Evans as part of a cross-Scotland walk many years ago... We couldn't have imagined, in our wildest nightmares, that these hills could be taken over by towering metal giants, like something from an HG Wells novel. How wrong we were. As I lay by the small summit cairn and allowed the vastness of this wild landscape to percolate my own spirit I'm afraid I cried. I wept tears of frustration at man's arrogance and greed. I wept tears of helplessness that people like me, to whom these

wild places mean everything, couldn't effectively fight the political/corporate forces that are determined to steal Scotland's soul in the name of green energy. And I wept tears of genuine sorrow that my children's children wouldn't enjoy these places as I have done."

Cameron McNeish , Scotland, April 2006

Netherlands

The new Dutch Government announced last fall that they are making draconian cuts in subsidies for nearly all forms of Renewable energies, as well as ending entirely **all** subsidies for offshore wind, solar and large scale biomass[168]. Overall the cutback amounted to more than 60%.

The Netherlands is the first European country to abandon the EU goal of 20% renewables by 2020.There is also a new warm reception for nuclear power. The new attitude seemed to stem from an announcement made by the previous government: The German wind power developer Bard Engineering was scheduled to receive over $6 billion dollars subsidy for the construction of two offshore wind farms. The new prime minister expressed his opposition cynically: *"Windmills turn on subsidies !"*

France

CRE, the independent regulator of French power utilities recently estimated that electrical taxes will have to almost triple to catch up with the rising cost of renewable energy[169]

In Summation:

The end result of all this *(as Europe has learned)* is an unwieldy, extremely inefficient utility system that damages the economy, distorts the market and can only survive through a perpetual lifeline of grants, subsidies, mandates and tax write-offs paid for by tripling the cost of electricity and increased taxes.

From the Globe and Mail, Jan 26, 2011:

> *"The Spanish and Germans are doing it. So are the French. The British might have to do it. Austerity-whacked Europe is rolling back subsidies for renewable energy as economic sanity makes a tentative comeback. Green energy is becoming unaffordable and may cost as many jobs as it creates. But the real victims are the investors who bought into the dream of endless, clean energy financed by the taxpayer".*

Last year Europe, for only the second time since 1998, installed more new coal power capacity (4,056 MW) than it decommissioned (1,550 MW). More gas capacity was installed than any other generating technology in 2010 (28 GW), representing 51% of total new installed capacity[170].

Note: Judging from his 2011 State of the Union address, Obama has his mind made up and is not one to be confused by facts. He announced an expanded goal of 80% of America's energy to be derived from clean energy systems by 2035 ! *(Apparently the U.S. Department of Energy hasn't been informed of this. I quickly checked their website, and, yup! They're still predicting coal use to expand 21% by the year 2035)*

Here is a change you can believe in: In January, 2008 during a filmed interview Obama stated*:*

"Under my plan electricity rates must necessarily skyrocket."

Rest assured that any tax reductions Obama claims credit for will be buried under this avalanche !

~

"I can't tell if this place is run by intellectuals, who are putting us on, or idiots who really mean it!"
Mark Twain

- **Ben Bernanke**, U.S. Federal Reserve Chairman, National Economists Club, Washington, D.C. November 21, 2002**:**

  "The U.S. government has a technology, called a printing press that allows it to produce as many U.S. dollars as it wishes at no cost." Mr. Bernanke went on to state that the Federal Government could always rent helicopters and fly over cities dumping out cash to get the economy moving.

- **Phil Bently**, MD of British Gas promoting the installation of solar panels on national architectural monuments**:**

  "Now, some may feel this is a little indelicate, but the fact is that historic buildings of all sorts, can play host to renewable systems and produce much needed clean energy in the future. We must all make sacrifices at this time of need."

Note: Kinda reminds me of Bill Clinton renting out the Lincoln Bedroom for campaign donations.

- Then there is **Doty Windfuels**[171]. Remember that the underlying objective for promoters of wind and solar is the elimination of oil, gas, and coal. Dr. David Doty has been developing a process called **RFTS**. The process utilizes "Off-Peak" wind energy to break water into its

basic components of hydrogen and oxygen *(this was one of the earliest industrial uses of wind energy – late 1800's).* These are then combined with CO2 to produce synthetic oil which can be refined into synthetic **gasoline:**

Obamajuice?

- LivinginPeru.com,Isabel Guerra, Environment/Nature | November 16, 2009

Peruvian proposal of painting melting glaciers white was chosen by World Bank

The Chairman of the Committee on Climate Change Congress, Isaac Mekler, announced that the Peruvian proposal of painting melting Peruvian glaciers white as a way to prevent and reduce global warming around the world has been included among the 26 winners of the "100 ideas to save the planet" contest.

Note: Beyond the absurdity of this, It's the application process that interests me. According to Wikipedia, there are 20 square miles of glaciers in Peru. At 200 square feet per gallon that comes out to 2,788,000 gallons of paint. Now I admit, I've never tried to paint ice but I suspect keeping the paint liquid is challenging - especially when it's 20 degrees out. Beyond this, eventually that 20 square miles of paint is going to end up in a Peruvian river that serves as a community water supply.

- **This bit of wisdom from Australia's Chief Climate Commissioner, Tim Flannery:** *"If we want to have maximum and optimal productivity on the planet, we need to put back some large herbivores into that ecosystem. The one that's excellent, even to live in cold conditions, is the mammoth. It even had a little stopper over its arsehole to stop heat escaping!"* [172]

Tim Flannery is a professor at Australia's Macquarie University, Australia's best known expert on "Global Warming", and was elected Australia's 2007 "Man of the Year". He has called for saturating Earth's atmosphere with sulphur gas (sulphur combined with oxygen is the source of acid rain): *"It's the last resort that we have, it's the last barrier to a climate collapse. We need to be ready to start doing it in perhaps five years.*

Professor Flannery proposes to disperse the sulphur by adding it to jet fuel. He concedes there are risks:

"The consequences of doing that are unknown."

Tim Flannery, Professor of Climatology

This is my all time, absolute favorite, Yessirree! This one takes the cake!

Industries Look Beyond Wind, Solar Energy

, ,,

MINNETONKA, Minn., Feb. 28, 2011, UPI.com: A massive kite used in the shipping industry could reduce fuel consumption by as much as 35 percent. U.S. agricultural company Cargill announced it was teaming with German company SkySails to develop a 3,400-square-foot kite to help drive some of its vessels. G.J. van den Akker, Cargill's head of ocean transport, said in a statement that the kite could cut fuel consumption significantly under ideal sailing conditions.

(Yeah, and if frogs had wings, they wouldn't bust their ass. Tom L.)

~

America's Energy Resources

"But we desperately need to reduce our dependence on foreign oil!" The linking of imported oil to power generation is a remarkable achievement of "green" promoters. Even members of congress have participated in this lie. You may be surprised to learn that if tomorrow we succeeded in producing all our electrical power from wind and solar it wouldn't reduce our importation of oil by one drop because:

Virtually no oil is used in the U.S. to produce electricity !

According to the latest **DOE** records our major supplier of *imported oil* is Canada, followed by Mexico. Only 14% comes from the Mideast. 12 of that 14% comes from Saudi Arabia.

I might also add that there are 3 times[173] the oil reserves of Saudi Arabia within oil shale deposits spread across Colorado, Wyoming, Montana, Utah and the Dakotas, enough to last 400 years[1] *(North Dakota at this moment has the lowest unemployment in the nation due to an oil boom. Considering our current dismal employment statistics - why do you suppose this has "flown under the radar" see: Wall Street Journal, Feb. 26, 2010, "Oil Industry Booms-In North Dakota", By Ben Casselman).*

For most of my life, with boring frequency, I have heard that "we are running out of oil". What the truth is, I cannot say. I do know that for the consuming public to believe this serves the interests of both big government and the oil industry. Curiously, the record shows that every time the price of crude doubles, there are new supplies discovered. Mark Nolan, chairman of ExxonMobil stated during an Oil and Gas Conference in Sydney during September 2006: **"The earth currently has more than three trillion barrels of conventional, recoverable oil resources of which 1 trillion has already been produced."** (Google: "There is no energy shortage" E.M. Smith, 20 Mar 2009)

If you believe that crude oil is a fossil fuel of diminishing supply: Cornell Professor Emeritus of physics, Thomas Gold disagrees with you *(Google "**Abiotic Oil" or "Eugene Island 330")*.* In 1995 a report released by Louisiana State University addressed the phenomena of Mid East oil fields showing increasing reserves despite having millions of barrels of crude oil pumped from them daily for decades: **"MIDDLE EAST GEOLOGY Why the middle East fields may produce oil forever"** Mafoud, Beck, McNeese University, Lake Charles, Louisiana.

The following is an official news release from the United Geological Survey April 10, 2008:

http://www.usgs.gov/newsroom/article.asp?ID=1911>

3 to 4.3 Billion Barrels of Technically Recoverable Oil Assessed in North Dakota and Montana's Bakken Formation - 25 Times More Than 1995 Estimate

Released: 4/10/2008 2:25:36 PM

U.S. Department of the Interior, U.S. Geological Office

Reston, VA - North Dakota and Montana have an estimated 3.0 to 4.3 billion barrels of discovered, technically recoverable oil in an area known as the Bakken Formation.

Technically recoverable oil resources are those producible using currently available technology and industry practices. USGS is the only provider of publicly available estimates of undiscovered technically recoverable oil and gas resources.

New geologic models applied to the Bakken Formation, advances in drilling and production technologies, and recent oil discoveries have resulted in these substantially larger technically recoverable oil volumes. About 105 million barrels of oil were produced from the Bakken Formation by the end of 2007.

The USGS Bakken study was undertaken as part of a nationwide project assessing domestic petroleum basins using standardized methodology and protocol as required by the Energy Policy and Conservation Act of 2000.

The Bakken Formation estimate is larger than all other current USGS oil assessments of the lower 48 states and is the largest "continuous" oil accumulation ever assessed by the USGS. A "continuous" oil accumulation means that the oil resource is dispersed throughout a geologic formation rather than existing as discrete, localized occurrences. The next largest "continuous" oil accumulation in the U.S. is in the Austin Chalk of Texas and Louisiana, with an undiscovered estimate of 1.0 billions of barrels of technically recoverable oil.

"It is clear that the Bakken formation contains a significant amount of oil - the question is how much of that oil is recoverable using today's technology?" said Senator Byron Dorgan, of North Dakota. "To get an answer to this important question, I requested that the U.S. Geological Survey complete this study, which will provide an up-to-date estimate on the amount of technically recoverable oil resources in the Bakken Shale formation."

The USGS estimate of 3.0 to 4.3 billion barrels of technically recoverable oil has a mean value of 3.65 billion barrels. Scientists conducted detailed studies in stratigraphy and structural geology and the modeling of petroleum geochemistry. They also combined their findings with historical exploration and production analyses to determine the undiscovered, technically recoverable oil estimates.

USGS worked with the North Dakota Geological Survey, a number of petroleum industry companies and independents, universities and other experts to develop a geological understanding of the Bakken Formation. These groups provided critical information and feedback on geological and engineering concepts important to building the geologic and production models used in the assessment.

Five continuous assessment units (AU) were identified and assessed in the Bakken Formation of North Dakota and Montana - the Elm Coulee-Billings Nose AU, the Central Basin-Poplar Dome AU, the Nesson-Little Knife Structural AU, the Eastern Expulsion Threshold AU, and the Northwest Expulsion Threshold AU.

At the time of the assessment, a limited number of wells have produced oil from three of the assessments units in Central Basin-Poplar Dome, Eastern Expulsion Threshold, and Northwest Expulsion Threshold.

The Elm Coulee oil field in Montana, discovered in 2000, has produced about 65 million barrels of the 105 million barrels of oil recovered from the Bakken Formation.

Results of the assessment can be found at http://energy.usgs.gov.

For a podcast interview with scientists about the Bakken Formation, listen to episode 38 of CoreCast at http://www.usgs.gov/corecast/.

Another: PODCAST 55:

Today, the USGS released the first publicly available petroleum resource estimate of the entire area north of the Arctic Circle.

This area has an estimated 90 billion barrels of undiscovered, technically recoverable oil, 1,670 trillion cubic feet of technically recoverable natural gas, and 44 billion barrels of technically recoverable natural gas liquids in 25 geologically defined areas thought to have potential for petroleum.

Today (March 19, 2011) U.S. Senator Murkowski (Ak.) released a report On U.S. "fossil Fuel" resources prepared by the congressional research service . The following are her statements as she made them on the Senate floor: ***"The results were surprising, to say the least. The truth is, our experts don't believe we're on the verge of running out of oil, natural gas, or coal. Far from it. According to the government's own estimates, the United States actually has the largest fossil fuel endowment in the world – larger even than Russia, and far larger than countries like Saudi Arabia and China.***

"Within our endowment is an incredible amount of oil – an estimated 163 billion barrels of technically recoverable resources, which would be enough to maintain current production for more than 60 years. We have huge volumes of natural gas – potentially more than 2,000 trillion cubic feet, which would last for 90 years at today's rate of consumption. And our coal resources are truly unrivaled – at 264 billion short tons, our supply will last for more than 200 years."

"CRS also found that we have a tremendous range of "sub-economic" resources that are not yet commercialized, including an estimated 100 billion barrels of heavy oil, more than 800 billion barrels of oil shale, and up to 320,000 trillion cubic feet of methane hydrates. For oil shale, that's over 100 years' worth of conventional oil. For methane hydrates, that could be an amazing 14,000 years' worth of natural gas if we endeavor to find ways to produce it."

Additionally, there are thousands of oil wells discovered and capped because production levels and crude prices didn't produce a profit with the technology existing at the time. As new technology comes on line these are being continually reevaluated (an exhausted oil well, typically, still contains a third to a half of its oil). The current "Glut" of gas supplies are a consequence of this.

Having worked within the industry, I can tell you that only a fool would take at face value, anything said by an oil industry spokesman. **This is doubly true for the wind industry**: A class action lawsuit has just been initiated against Vestas Wind Systems for violation of the securities and exchange act of 1934 (Yahoo Finance, March, 28, 2011). The complaint alleges that during the Class Action Period, defendants issued materially false and misleading statements regarding Vestas Wind Systems financial revenues and earnings, as a result, Depository Receipts and ordinary shares traded at artificially inflated prices throughout the Class Period. During the peak of the Obama Green energy stimulus program, Vestas stock traded at a heady $127.00. At the end of last year the price was $24.00. During the class action period the stock lost almost half its value.

Following is an excerpt from a recent paper I wrote on the…..

History of Energy in America

"A different reality dawned in Oct. 1973 when OPEC instituted a 70% increase in the price of oil exported to the U.S. and the Netherlands. It was preceded by a warning letter from the chairmen of the largest oil company in the world: Saudi Arabia's ARAMCO (comprised of Exxon, Mobil, Chevron, and Texaco). This was then followed by an outright embargo (at that time the U.S. was importing 16% of its oil from OPEC nations). While it was announced as retribution for support of Israel in the recent Arab/Israeli war, there were other contributing factors that are rarely acknowledged.

Under the 1945 Bretton Woods agreement signed by U.S. President Franklin D. Roosevelt, the Dollar was redeemable at $35 to the ounce of gold and the U.S. was allowed to print as many dollars "as needed"(an inexplicable expression of confidence in U.S. fiscal responsibility). Predictably, by 1971 the world was flooded with dollars and the U.S. had run up a trade deficit of $3.8 billion (laughable by today's standards).

The inflation rate in 1965 was 1.6%; in 1970: 5.8%. French President Charles Degaulle fearing that the U.S. intended to repay its debt in devalued dollars demanded repayment in gold.

In August 1973, U.S. president Richard Nixon, fearing an international "Run" on the U.S. gold supply, simply announced that the U.S. dollar would no longer be redeemable in gold. In simple language: the United States defaulted on its debts. Up to that point the devaluation of the dollar was serious enough, but, what followed Nixon's declaration was an international inflationary spiral (a very likely outcome of our current economic situation). In 1974 it reached 11% and finally peaked in 1980 at 13.6%. As the dollar devalued, oil exporting nations of the Mideast found that they were exchanging their oil for a dollar that was worth less every day (OPEC in apparent anticipation of a likely replay has for years discussed pricing oil in a currency other than the dollar). While the Arab/Israeli conflict was the trigger point, OPEC also recognized an opportunity to restore the value of its oil contracts following the U.S. debt default.

Those of us who lived through the embargo remember limited sales, unending lines at the pumps and gas "holidays" on Sunday. There were accusations of a fabricated crisis. The Governor of Maine, Kenneth M. Curtis accused the Nixon administration of "creating a managed oil shortage". There were tantalizing revelations that tended to support the allegation:

- *During the worst of that winter Exxon announced that their 3d quarter profits were up 80% over the previous year. Gulf declared a 91% increase. Exxon's profit for the year was a record for any company in any industry.*

- *In 1973, The Philadelphia Enquirer released a study revealing that American oil companies were selling two barrels of oil overseas for every barrel sold in the U.S. The paper joined others in accusing the Federal government of creating the crisis.*
- *In 1974, at the height of the crisis, Lloyd's of London, announced that during the three months directly preceding the embargo, 474 tankers left the Middle East. At the height of the crisis the count was 492. This despite the fact that declared OPEC exports to the U.S. had diminished by 98%.*

The embargo began in Oct. of 1973 with a barrel of crude oil costing $3.00. At the end, in Mar. of 1974 the price had risen to $11.65 and never returned (in 1999 the price dropped to near $12.00). As I write (Dec. 2010) it is nearing $90.

For five years, beginning in 1978, I was a civil designer in the Eastern Province of Saudi Arabia. The last three I spent at the world headquarters of ARAMCO in Dhahran, Saudi Arabia. The province was saturated with oil industry professionals from around the world (as well as IRS and CIA agents).

I found there was another explanation for the events of 1973-74: In 1968 oil was discovered at Alaska's Prudhoe Bay. The announced proven reserve capacity made it the world's 18th largest find (stories have circulated for years that it is, in fact much, much larger than this). Development in sub-arctic conditions was a technological challenge of huge expense. Worse, from the beginning it was realized that an even more expensive pipeline was the only feasible way of transporting the crude oil 800 miles to what was to become the shipping port at Valdez, Alaska.

There was also, the daunting political challenge of confronting numerous ecological organizations opposed to bifurcating one of the last pristine wilderness areas in the world with a crude oil pipeline. And further, the issue of restitution to Alaskan native tribes. Development was held up for five years while the United States Congress addressed these obstacles.

The resolution occurred in Aug. of 1973 when the authorization bill deadlocked in the U.S. senate. Vice President Spiro Agnew cast the deciding vote and the bill passed for what was to be the most expensive "privately" funded engineering project the world had ever seen (the 800 miles of 48" steel pipe was ordered from Japan). The daunting challenge for the oil companies then became: How to fund the eight billion dollar undertaking? (Since then the dollar has inflated 391%. Today's price would be over $31 billion)

Three months later (oct. 1973) the embargo was instituted, the price of crude quadrupled and the first loaded oil tanker left the Valdez terminal in August of 1977."

As you can see, I am not a defender of "Big Oil", anymore than I am of "Big Government"
(the former having owned the latter for most of the past 100 years)

America and the Global Picture

Oil is just one essential commodity that we import *(you might be surprised to know that the U.S.* ***exports*** *over 2200 barrels of oil a day)*

.

If you feel our transportation system is threatened by oil importation, consider steel and tires:

- In 2007 the U.S. imported $25.5 Billion worth of Iron and steel[174] – twice what we exported. In 2009 we imported 6 million tons of steel from china alone – our single largest supplier. This dwarfed South Korea who was next with 1.9 million tons.

- This nation imports a far greater percentage of automotive tires than we do of oil – again: more than 50% coming from China! [175]

Oil, tires, electronics, and steel are only a few entries on a long list of essential and strategic industries that the our government has sacrificed on the altar of Globalization"

Industries that are necessary for the economic well being and defense of this nation.

The likelihood of another Mideast oil embargo today is remote. Temporary disruptions due to Social unrest are the most likely scenario. A large per cent age of the Arab population is under 30 and with few options for economic improvement.

The OPEC history of sustaining quotas is spotty at best. The one we remember best was the embargo of 1972-3. It only lasted three months. The last time a quota was attempted, Iraq's Hussein determined that Kuwait was cheating. He invaded and set fire to the Kuwaiti oil fields. The rest you know.

However, the situation in the Korean peninsula is eerily similar to Israel's in 1973. Consider this scenario: China's "Bully Boy", North Korea, finally "Crosses the Rubicon" and South Korea *(with whom we have a mutual defense treaty)* responds militarily with the involvement and support of the United States *(it is likely this would quickly expand to include Japan).* China then imposes a trade embargo on the U.S. Look around your home and automobile to judge the impact. If you would like to waste a day, go to Wal-Mart, your local hardware, furniture, and auto parts stores – try to find products not manufactured in China.! Our military uses computers made in China, Chinese neodymium is used in smart bombs and missile and tank guidance systems. Even the boots our troops are wearing in Iraq and Afghanistan are made in China!

In 2005 a startling Defense Science Board report raised serious concerns about Defense Contractors forced to resort to foreign subcontractors to supply semiconductor electronics. Twice during the Gulf War essential smart bomb electronics components had to be supplied by Japan. Today the situation is even more grave and congress is still trying to decide what to do about it. What we have come to think of as the major "American" corporation is a delusion. These are International Corporations whose focus and allegiance are to the Global Markets. Their unwavering dedication is to the bottom line. The economics of Global capitalism does not allow for nationalistic sympathies.

Daniel Griswold of the Cato Institute reported on Dec. 28, 2010: *"All but 4 percent of the top 500 U.S. corporations reported profits this year, and the stock market is close to its highest point since the 2008 financial meltdown. But the jobs are going elsewhere. The Economic Policy Institute, a Washington think tank, says American companies have created 1.4 million jobs overseas this year, compared with less than 1 million in the U.S."*

Billions of dollars were allocated to wind and solar projects in the "American Reinvestment and Recovery Act". An Investigation conducted by the American University School of Communication concluded that almost 83% of that money has gone to foreign corporations.

Nowhere in the text is there any requirement for the money to be spent in the United States! In fact, such a requirement would violate World Trade Organization agreements! (Canada learned this the hard way. See: "Japan Declares War On Canada"- New York Times)

Existing U.S. trade agreements and tax laws were implemented in compliance to the demands of these "American" companies. The structure is designed with the full intention of transferring the wealth of this nation to the developing world and with "American" corporations turning a hefty profit in the process. Do not misunderstand me, I meant exactly what I just wrote. While politicians and pundits will offer alternate explanations, the ultimate measure is the American living standard.

Our living standard has been on a steady decline for decades; and with a direct correlation to loss of manufacturing. It was manufacturing that created and sustained the American middle class. There is after 60 years of decline in both, more than enough evidence to conclude that when manufacturing is eliminated entirely, it will take with it the American middle class. Consider also that China, India, nor any other successful developing nation is looking to information systems or a service economy to lift their nations out of poverty. They have all "bet the farm" on manufacturing and they are winning.

Beginning immediately with the signing of the North American Free Trade Act in 1992, America's balance of trade fell off a cliff and has continued its freefall. While there has been ample opportunity for congress to stop the hemorrhage of America's wealth the subject isn't even discussed. **The "Renewable Energy" agenda is simply another program dedicated to the impoverishment of America.**

Imagine two large tanks sitting side by side; one represents America and the other China. The one is filled with wealth the other is nearly empty. At the bottom connecting the two is a pipe labeled "Cheap Labor". In the middle of that pipe is a valve controlled by a puppet of "Uncle Sam". With one hand, pulling the strings is the representative head of "American" global corporations; the other hand is busy stuffing money into "Uncle Sam's" pockets. The end result is a flow of American wealth and power until American citizens and living standards are on a par with China.

It would be a mistake to conclude that this paper is simply China bashing. It is not, it **is** about a people whose government has sacrificed its sworn obligation to protect and defend the people they were elected to represent and instead have "bellied" up to global corporate campaign funding troughs. Our current economic morass makes it abundantly clear that self-government is not a spectator sport. **If America continues its blind faith in the U.S. government's competence and benevolence (despite an overwhelming history to the contrary) our future will continue to accelerate in a downward spiral.**

The American living standard has been the highest in the history of mankind. Through sweat, blood and with a fierce pride in self-reliance, the American people created it from the natural resources of this land. The Chinese can do the same or they can, abetted by the American government, take the short route by draining American wealth via the substitution of cheap, low quality, short-lived goods.

The belief that imported goods cost less than American made products is an illusion. As with subsidies the actual cost is much greater, only concealed in the National debt. A debt that currently is equal to our gross national product (GNP) and accelerating at a much greater pace! Our government has become like a broke high-roller trying to continue an unsustainable life style through borrowing instead of working.

Extravagant and Unsustainable debt is *always* the most reliable indicator of an economic bubble

Tom Lahman

The offshoring of American industry is far more insidious than is apparent. Industrial skills are learned and without use dissipate. An industrial infrastructure isn't built "overnight", it takes decades. One of the great unsung advantages of the American soldier during WW II was the mechanical skills he had developed through the repair of farm machinery and tinkering with "Hot Rods". Back home the incredible output of airplanes and military hardware by the American worker supplied the entire allied offensive.

This morning a Reuters report came across my desk: **"A Wing and a Prayer: Outsourcing at Boeing"**. The article dealt with the construction, design, and assembly of Boeing's latest plane: the 787-8 Dreamliner. Boeing has attempted to produce this plane by piecemeal outsourcing around the world, with final assembly to be done in the U.S. The process has not been without pain. The Dreamliner is now three years behind schedule and several billion dollars over budget. Tellingly, the current CEO of Boeing, David L. Calhoun was previously a V.P. at G.E. *(long a champion of outsourcing).* In the 1990s, during one of Boeings most profitable periods, the corporation was headed by Alan Mulally. The same Alan Mulally who now runs ford, and who spurned Obama's pressure to climb aboard the "U.S.S. Obama" bail-out raft.

"One of the things you don't want to outsource is your core competencies, It's the thing that gives your organization your value added." said Karen Kurek of RSM McGladrey, a tax and consulting firm.

Tom McCarty, president of the Society of Professional Engineering Employees in Aerospace (SPEEA): *"As we outsource part of this work, we're removing opportunities for learning this trade, for learning these skills. As we reduce these opportunities to learn how to do these jobs, the Boeing Company becomes less capable to do the job."*

What Kurek and McCarty were referring to is known as "Tribal Skills". In every industrial undertaking this is the combined abilities and knowledge accumulated over the life and experience of the individuals who make up the work force. Stretching from the material receiving yards all the way to board rooms, every design and process challenge rely upon these and every successful solution adds to the corporate ability to succeed in the future. Beyond the success of an individual company these skills are the life blood of every industrial nation. Every instance of outsourcing drains away these essential skills that are in fact strategic knowledge vital to the survival of any great nation.

Today, while America's youth possess unparalleled skills in texting on Chinese made cell phones, it is rare to find one who knows which end of a screwdriver to reach for. Last summer outside of Yosemite National Park, I changed a flat tire for two, twenty something "men" who didn't know how to operate a car jack. They apparently had no reservations asking a sixty year old man to do a job for them that a ten year old boy should be capable of. The knowledge and skills that comes from the challenge of solving mechanical and design problems have been transferred to China along with American wealth. More disturbing, it appears that even the interest and pride in self-reliance has accompanied it.

Of even greater significance is this: **A nation cannot be a military power without first being an economic power!**

From: **The Made in the America Project:**

> ***"(During WWII) Non-defense or, consumer related manufacturers produced as much as ten times more defense goods than traditional defense manufacturers. It is imperative that the United States have a strong consumer and commercial industrial base in place to protect the freedom, sovereignty and security of our nation."***

www.madeinamericaproject.com

From an article in the European Union Times, Jan 11, 2011, **"China said will soon have a military powerful enough to compete with the US":** *"Whereas, Gates's Chinese counterpart Liang Guanglie has said that China will push forward with modernization of its military thanks to a booming economy, the United States is facing major cuts. Citing "dire" fiscal pressures, Gates on Thursday proposed deeper cuts than planned in US military programmes, scaling back ground forces for the first time since the 1990's."*

Consider also:

- A pentagon report states that Chinese military forces have been developing an array of advanced weaponry, including new nuclear ballistic and cruise missiles, anti-satellite weaponry and cyber-attack capabilities, in addition to new more conventional ships, aircraft and ground-warfare capabilities
- This month Japan revealed that it has scrambled its fighter squadrons **44** times in the last nine months in response to **Chinese intrusions into Japanese air space[176].**
- From The Diplomat, Dec. 28, 2010**:** ***"Beijing has successfully developed, tested, and deployed the world's first weapons system capable of targeting a moving carrier strike group (CSG) from long-range, land-based mobile launchers."***
- From an Oct 19, 2010 article in the Canada Free Press:

  "1. China now has more warships than the United States - Based on a recent report by the International Institute for Strategic Studies. At the present rate of production, China will soon have more submarines than the U.S. Navy. China is adding ships while the U.S. and Europe are reducing the size of their militaries."

  "2. China has stealth ability - China's navy has 80 high-speed, stealth vessels, each of the boats are capable of avoiding radar and infrared detection. It is believed they have stealth bombers in existence."

The story credits China's ability to build stealth bombers to the apparent "leak" of the airframe design for the B-2 bomber*. It also appears that Chinese hackers obtained classified information from a Pentagon server in 2009. China has a radar system CETC Y-27, capable of detecting our stealth planes. *(The "father" of the Chinese missile program is considered to be Tsein Weichang, a Chinese immigrant to the U.S. who worked for the U.S. Government at the Jet Propulsion Laboratory in the Pasadena, Cal. In the years after WWII, then returned to China)[177].*

*In January of this year a federal court in Hawaii sentenced Noshir Gowadia, an India Born U,S, citizen, to 32 years in prison for selling U.S. military secrets which helped China design its own Stealth Cruise Missile System.[178]

A Chinese blogger[179] left this comment regarding China's military*:*

> ***"They are on the ascendant whilst America is a fading empire living on memories. And severely broke. The only way you could take on the Chinese is for the Chinese to lend you the cash to do so.***

Another**:** ***"The real enemy to the survival of the US is Federal Reserve and the Wall Street, not China."***

Thomas Jefferson would agree:

> *"I believe that banking institutions are more dangerous to our liberties than standing armies. If the American people ever allow private banks to control the issue of their currency, first by inflation, then by deflation, the banks and corporations that will grow up around the banks will deprive the people of all property until their children wake-up homeless on the continent their fathers conquered."*
>
> **Thomas Jefferson**

In an April 3, 2009 speech at the Applied Research Laboratories at the University of Texas at Austin, National Counter intelligence executive Dr. Joel F. Brenner, from the Office of the Director of National Intelligence:

"The Chinese are relentless. We have seen Chinese network operations inside certain of our electricity grids. We're also seeing counterfeit routers and chips, and some of those chips have made their way into U.S. military fighter aircraft … You don't sneak counterfeit chips into another nation's aircraft to steal data. When it's done intentionally, it's done to degrade systems, or to have the ability to do so at a time of one's choosing."

Dr. Brenner has also expressed his concern over the penetrations in critical U.S. infrastructure. ***"Do I worry about those grids, and about air traffic control systems, water supply systems, and so on? You bet I do. Our networks are being Mapped***

Like it or not, International economic power and military capability are derived from energy. If you care to list the world's economic and military powers you will find a direct correlation to energy consumption. The fate of the German navy in World War 1 was sealed when Churchill converted the British fleet to oil; the fate of Germany in World War ll by the lack of it. Japan's attack on Pearl Harbor was triggered when they were excluded from the oil fields of Indonesia. It is easy to make oil itself the culprit here. It is not – Oil is simply the most accessible, usable, versatile, concentrated, and transportable form of energy known to man. At this time in history, there simply is no substitute.

China is building new coal fired power plants at an astounding rate*. A new one is connected to the grid almost every week.[180] And, they are outbidding the developed world on oil contracts. China is second to the U.S. as the world's largest consumer of oil. Last year they paid Chesapeake Energy (U.S.) $2.2 billion[181] dollars for 600,000 acres of south Texas oil and gas assets, then, shelled out $4.6 billion[182] dollars for 9% of ConocoPhillips. This is oil and gas that China intends to import *(fortunately, Obama has a plan to eliminate imports from the Mideast).* They attempted to do the same thing during the Bush administration but were rejected for strategic reasons. In 2007 Germany revised its laws to protect strategic assets from this very scenario

***James Fallows:**

> *"In America, it takes a decade to get a permit for a plant," a U.S. government official who works in China said To me, "Here, they build the whole thing in 21 months. They can go from concept to deployment in half the time we can, sometimes a third.*

China needs oil, by 2020 they will produce more cars than the U.S. Oil is at record levels and will continue upwards. They can afford it because we through our purchase of their cheap, low quality goods are financing it. For the United States, **this is the Trojan horse that felled Troy**. The increase in energy costs for the U.S. will further suppress American industry and American living standards. Beyond that, the U.S. Navy is powered by diesel, as is the tanks, mobile artillery, and transport trucks of the U.S. Army.

This is happening while "ineffectual" local and national politicians wring their hands in apparent or feigned distress over loss of industry and American competitiveness *(I chose the word "ineffectual" because, that much I am confident of, however, witnessing the accelerating descent of this nation into the abyss of dependency and insolvency, other words are likely more accurate:* ***incompetence, utter ignorance, and traitorous*** *to name a few).*

This process has been facilitated by American "leaders"[183], the very people we have entrusted with our economic well being and this nation's future and strategic security:

Bill Clinton

- Between 1993 and 1996 the Clinton administration allowed the export of missile technology to China. Bill Clinton personally approved the launch of four communication satellites on Chinese rockets, **from a Chinese Army Base** - one of which exploded on launch. These were purchased from Hughes and Loral – both U.S. military contractors. The exchange was prohibited by law but authorized under a waiver **signed by Clinton.**

  Clinton had been alerted to and warned against the waiver as there was at the time, an ongoing justice department investigation of Loral. Loral later pleaded no contest to a laundry list of national security violations, including the illegal transfer of missile guidance system technology. The communication technology transferred to China via Clinton is now circling the globe in a Chinese military satellite, the FH-1A. The missile technology passed by Loral is now embedded in Chinese nuclear missiles aimed at Seattle, San Francisco, and Los Angeles. The aforementioned mobile launched missile system capable of destroying a naval carrier group is also based on this *(see: The Diplomat, Dec. 28, 2010).*The head of Loral, Bernard L. Swartz, was the single largest donor to the Democratic Party in 1997.

- From 1986 until 1992 Hillary Clinton served on the Board of Directors for Wal-Mart. There are only four nations in the world that do more business with China than Wal-Mart !

Senator Barbara Boxer

(Democrat, California)

A Friend and relative by marriage to Hillary Clinton, she is married to Stewart Boxer a board member of the China Ocean Shipping Organization.

- Boxer voted to award **permanent** Normal Trade Relations (NTR) with China. Our current trade relations with China are temporary and must be renewed annually.
- Our ability to compete globally is limited by additional expenses associated with OSHA, EPA, and numerous other regulatory agencies and laws. A bill to prevent Congress from passing any future laws that harms the U.S. economy unless both China and India had the same mandates received a no vote from Boxer.
- Opposed a bill that would institute trade sanctions against China or any other countries guilty of selling prohibited weapons of mass destruction.

Note: *Boxer is considered an "Open Borders" supporter and has voted to: 1) Extend social security to illegal aliens. 2). Oppose elimination of federal assistance to cities who ignore U.S. immigration laws and announce themselves as "Sanctuary Cities". 3) Prohibit declaring English as the official language of the United States (91% of Americans support the English declaration including 76% of Hispanics). 4) Support amnesty for illegal aliens.*

Senator Diane Feinstein

(Democrat, California)

Feinstein is married to merchant banker Richard C Blum. Blum's financial involvement in China is legendary. I had intended to include here numerous examples of Feinstein's preference for China's interest over the U.S. I quickly realized that a simple cursory overview would run book length. I invite you to sit down, Google her name, and prepare for a shocker. As she has stated **"I was Chinese in a past life".**

Senator Mitch McConnell

(Republican, Kentucky)

In addition to Feinstein/Blum, we have McConnell/Chao. Elaine Chao (Bush's labor secretary) was born in Taiwan, her China born father is a wealthy shipbuilder and export magnate who was a Shanghai University friend of Chinese President Jiang Zemin. It was commonly stated during her tenure at the labor department that she had closer ties and greater access to China's leaders than the state department.

Elaine Chao's acquaintances and business associations are a who's who list of the Clinton **"China Gate"** scandal. The Cox report, an investigation of Chinese espionage following the Clinton, Loral and Hughes incident was characterized by Chao as "racist" and "China Bashing". McConnell and Chao recently received a multi-million "gift" from Chao's father.

Ho Tsu Kwok, chairman of Global China Group Holdings and the Hong Kong Tobacco Co. and member of the Standing Committee of the Chinese People's Political Consultative Conference, is one of McConnell's largest donors. In the last decade Ho and his family have given more than $80,000 to McConnell, and his political allies.

In 1999, the Chinese Ambassador to the U.S., Li Zhaoxing, was invited by McConnell to speak at the McConnell Center for Political Leadership at the University of Louisville. There, Li launched a tirade on Congress for what he termed "malicious attacks" in pressuring China to allow religious freedom for its citizens.

McConnell has helped block attempts to link U.S. trade with China to Human rights, religious freedom, or prison labor. McConnell's support for China is best described as unwavering and profitable.

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Congress specifically exempts themselves from many of the laws they have passed (such as prosecution for sexual harassment and insider trading laws) The latest is to exempt themselves from the Healthcare Reform As I write, polling results indicate that 90% of Americans disapprove of Congress while the president's approval is in the low 30's. Consistantly, about 70% of Americans feel this nation is headed in the wrong direction. . We are well on the way to an elite ruling class that is above the law. You may recall that this nation was created after a bloody revolution was fought to rid ourselves of just such tyranny

Governors of 35 states have filed suit against the Federal Government for imposing unlawful burdens upon them. It only takes 38 of the 50 States (no Mr. President, there are not 57) to convene a Constitutional Convention. A Proposed 28th Amendment to the United States Constitution reads: "Congress shall make no law that applies to the citizens of the United States that does not apply equally to the Senators and/or Representatives; and, Congress shall make no law that applies to the Senators and/or Representatives that does not apply equally to the citizens of the United States.

The following is credited to Charlie Reese of the Orlando Sentinel:

- *Politicians are the only people in the world who create problems and then campaign against them*

- *Have you ever wondered, if both the Democrats and the Republicans are against deficits, WHY do we have deficits?*

- *Have you ever wondered, if all the politicians are against inflation and high taxes, WHY do we have inflation and high taxes?*

- *You and I don't propose a federal budget. The President does.*

- *You and I don't have the Constitutional authority to vote on appropriations. The House of Representatives does.*

- *You and I don't write the tax code, Congress does.*

- *You and I don't set fiscal policy, Congress does.*

- *You and I don't control monetary policy, the Federal Reserve Bank does.*

- *One hundred senators, 435 congressmen, one President, and nine Supreme Court justices equates to 545 human beings out of the 300 million are directly, legally, morally, and individually responsible for the domestic problems that plague this country.*

- *I excluded the members of the Federal Reserve Board because that problem was created by the Congress. In 1913, Congress delegated its Constitutional duty to provide a sound currency to a federally chartered, but private, central bank.*

- *I excluded all the special interests and lobbyists for a sound reason. They have no legal authority. They have no ability to coerce a senator,a congressman, or a President to do one cotton-picking thing. I don't care if they offer a politician $1 million dollars in cash. The politician has the power to accept or reject it. No matter what the lobbyist promises, it is the legislator's responsibility to determine how he votes.*

- *Those 545 human beings spend much of their energy convincing you that what they did is not their fault. They cooperate in this common con regardless of party.*

- *What separates a politician from a normal human being is an excessive amount of gall. No normal human being would have the gall of a Speaker, who stood up and criticized the President for creating deficits. The President can only propose a budget. He cannot force the Congress to accept it.*

- *The Constitution, which is the supreme law of the land, gives sole responsibility to the House of Representatives for originating and approving appropriations and taxes. Who is the speaker of the House? John Boehner. He is the leader of the majority party. He and fellow House members, not the President, can approve any budget they want. If*

the President vetoes it, they can pass it over his veto if they agree to.

- *It seems inconceivable to me that a nation of 300 million cannot replace 545 people who stand convicted -- by present facts -- of incompetence and irresponsibility. I can't think of a single domestic problem that is not traceable directly to those 545 people. When you fully grasp the plain truth that 545 people exercise the power of the federal government, then it must follow that what exists is what they want to exist.*

- *If the tax code is unfair, it's because they want it unfair.If the budget is in the red, it's because they want it in the red.*

- *If the Army & Marines are in Iraq and Afghanistan it's because they want them in Iraq and Afghanistan*

- *If they do not receive social security but are on an elite retirement plan not available to the people, it's because they want it that way.*

- *There are no insoluble government problems.*

Do not let these 545 people shift the blame to bureaucrats, whom they hire and whose jobs they can abolish; to lobbyists, whose gifts and advice they can reject; to regulators, to whom they give the power to regulate and from whom they can take this power. Above all, do not let them con you into the belief that there exists disembodied mystical forces like "the economy," "inflation," or "politics" that prevent them from doing what they take an oath to do.

. **Charlie Reese**

It is difficult to escape the conclusion the American form of government has failed, certainly it has failed in providing competent and moral leadership. Inversely it could be argued that the American citizenry has failed the American form of government as the founding Fathers warned it would in the absence of a politically informed and involved citizenry exercising Christian morality.

"The American Republic will endure until the day Congress discovers that it can bribe the public with the public's own money"

Alexis de Tocqueville

The remarkable de Tocqueville penned this in 1835 at the age of 25. We are witnessing the materialization of his prediction. The underlying reason for congress and the president's refusal

to pass a balanced budget amendment is that doing so would remove their ability to remain in power by buying votes with the voter's own money. The debt generated by this "Cash Cow" now totals over $100,000 per working American! De Maistre said: "A people has always the government it deserves". We are on the verge of discovering what that is to be.

If we as a nation continue down this path we will surely sacrifice our ability to control and influence world events. The day is fast arriving when we will be forced to consider the ramifications of a world where communist China is the preeminent economic and military power.

I truly believe that in this century, the energy equation can be solved. If history is an indicator it will happen here in the United States. When that day arrives a new book will open describing a potential for mankind that we don't yet have language for. This will take money, dedication, and sacrifice much as the moon landing did in the last century. The analogy fails in that, the moon landing was an act of exploration, the energy equation is an act of survival for if we fail so will civilization as we know it.

Population projections by the United Nations predict total world population will be at 8 billion by 2030. Currently 85% of the world's population lives in the developing world. Nearly one and a half billion people don't have direct access to electricity, and 2.4 billion people still cook with wood or dung. Still it is a world gaining in education and longing to rise above the debilitation of curable disease and grinding poverty. Energy demand is expected to increase 35% by 2030, it is unlikely that this will happen without a disastrous conflict over the distribution of existing energy supplies.

The challenge for America in this decade is to restore and sustain our economy at a level allowing the dedication of a national research program dedicated to solving the energy equation. Despite billions of dollars in research and installation, neither wind nor solar show a capacity for anything other than destabilizing and damaging our existing efficient and reliable energy system, and at a great expense. It is abundantly clear that neither has the ability to supply the amount of energy necessary to improve the lot of the 85% of the world's population still living in poverty.

Even if one can look beyond the abysmal production figures, Both the International Energy Agency and the U.S. Dept of Energy place the cost of wind and solar far above that of conventional energy production. The size of the U.S. and European national debts is evidence enough that we in the developed world cannot afford it. It is not rocket science to conclude that the developing world certainly cannot.

The great danger of the Renewables agenda is first the diversion of critical research capital into wasteful machinery that became obsolete early in the last century. And secondly, the creation of

a dangerous delusion that an actual solution is being instituted. Both comply with the mandate of de-industrialization of the United States.

Einstein gave us $E=MC^2$. Simply put: "If it has mass it is a potential energy source". We are surrounded by mass, and therefore energy.

Energy scarcity is a product of artificial economics generated by political manipulation

It is an infuriating experience to watch the president of our nation circulating around Asia begging for trade crumbs. This, while rewarding and abetting the flight of American industry, the transfer of American wealth to foreign corporations through direct Treasury payments and the enslavement of the American people thru a massive debt generated in the fraudulent pursuit of frivolous and feeble energy sources.

The Obama solution is a reversal of man's economic progress and struggle for freedom (Google U.N. Agenda 21). If we are to invest billions into an actual energy solution (as we must), is not the wiser choice, funding research in emerging technologies holding the promise of actually meeting world energy needs ? How much closer to an energy solution would we be if a tenth of the billions we have wasted in wind and solar had been allocated to this ? While our current energy system is less than perfect it is in place, is reliable and sufficiently affordable. It will most certainly last the time frame needed to achieve a real solution.

The billions of dollars being misallocated to wind and solar not only destabilize our economy and lower our living standards but actually raise the possibility that our nation will not survive in a form capable of solving the energy equation. The intentional degradation of our reliable energy system is nothing less than an essential step in weakening our nation and moving us closer towards the ultimate goal of submerging the United States in a one world government.

This nation has proven it has the ability to achieve great things. In this one, we must not fail. If this nation cannot extricate itself from the mediocrity of cheap consumerism and a fixation on mindless drivel passed off as entertainment, if we cannot develop and embrace a vision and the willpower to demand real leaders for the challenge of this century; we cannot possibly succeed. If we are willing to blindly follow a president whose limited vision of energy independence consists of the resurrection and redecoration of antique and failed technologies, our energies will be scattered and dissipated, our economy destroyed and our future immersed in failure.

If instead of leadership we continue placing politicians the likes of Clinton, Bush, and Barack Obama into the highest office of the land, If this is the best that we can produce, then we will surely dissolve in to the same faceless dust as other failed great nations and, like ancient Greece, exist only as a remarkable and short event recorded in a world history dominated by a brutish existence exclusive of human rights.

In 1953, the then head of the Soviet Union: Nakita Kruschev predicted that communism would bury us. If this nation's leadership seriously believes that we can power a steel mill with a subsidized solar panel, it will surely come to pass.

Tom Lahman

The Chevelon Alliance – email: chevtom@live.com

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Following are quotes from the green–agenda.com website These quotes are by the primary founders and current promoters of the Green Agenda. I am including them here so that you may further understand their vision and goal for America and the world.
(The sources are provided at the website).

"*Global Sustainability requires the deliberate quest of poverty, reduced resource consumption and set levels of mortality control*."

Professor Maurice King
first executive Direstor of the United Nations Environment Programme

"*The common enemy of humanity is man. In searching for a new enemy to unite us, we came up with the idea that pollution, the threat of global warming, water shortages, famine and the like would fit the bill. All these dangers are caused by human intervention…The real enemy then, is humanity itself*."
Club of Rome
premier environmental think-tank, consultants to the United Nations

"*The models are convenient fictions that provide something very useful*."
Dr David Frame
climate modeler, Oxford University

"*It doesn't matter what is true, it only matters what people believe is true*."
Paul Watson
co-founder of Greenpeace
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"*No matter if the science of global warming is all phony...climate change provides the greatest opportunity to bring about justice and equality in the world*."

Christine Stewart

former Canadian Minister of the Environment

"*We need to get some broad based support, to capture the public's imagination...So we have to offer up scary scenarios, make simplified, dramatic statements and make little mention of any doubts...Each of us has to decide what the right balance is between being effective and being honest.*"

Prof. Stephen Schneider

Stanford Professor of Climatology, lead author of many IPCC report

"*The data doesn't matter. We're not basing our recommendations on the data. We're basing them on the climate models*."

Prof. Chris Folland

Hadley Centre for Climate Prediction and Research

"*The only way to get our society to truly change is to frighten people with the possibility of a catastrophe*."

Daniel Botkin

professor emeritus

"*Coal makes us sick. Oil makes us sick. It's global warming. It's ruining our country. It's ruining our world*."

Harry Reid

U.S. Senate majority leader

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"*Isn't the only hope for the planet that the industrialized civilizations collapse? Isn't it our responsibility to bring that about*?"

- **Maurice Strong**,

founder of the UN Environment Programme

"*Complex technology of any sort is an assault on human dignity. It would be little short of disastrous for us to discover a source of clean, cheap, abundant energy, because of what we might do with it*."

Amory Lovins

Rocky Mountain Institute

"…democracy is no longer well suited for the tasks ahead. The complexity and the technical nature of many of today's problems do not always allow elected representatives to make competent decisions at the right time."

Club of Rome

The First Global Revolution

"*Giving society cheap, abundant energy would be the equivalent of giving an idiot child a machine gun*."

Prof Paul Ehrlich

Stanford University

"Only a crisis, actual or perceived produces real change."

Milton Freidman

"*The big threat to the planet is people: there are too many, doing too well economically and burning too much oil.*"

Sir James Lovelock

BBC Interview

"*If I were reincarnated I would wish to be returned to earth as a killer virus to lower human population levels*."

Prince Philip

Duke of Edinburgh,

"*Human beings, as a species, have no more value than slugs*."

John Davis

editor of Earth First! Journal

"*Childbearing should be a punishable crime against society, unless the parents hold a government license. All potential parents should be required to use contraceptive chemicals, the government issuing antidotes to citizens chosen for childbearing*."

David Brower

first Executive Director of the Sierra Club

"*The goal now is a socialist, redistributionist society,…"*

David Brower

founder of Friends of the Earth

“Phasing out the human race will solve every problem on Earth , social and environmental.”

Ingrid Newkirk
former President of PETA.

"*The only hope for the world is to make sure there is not another United States. We can't let other countries have the same number of cars, the amount of industrialization, we have in the US. We have to stop these Third World countries right where they are*."
Michael Oppenheimer
Environmental Defense Fund

"*I suspect that eradicating small pox was wrong. It played an important part in balancing ecosystems*."
John Davis
editor of Earth First! Journal

"*One America burdens the earth much more than twenty Bangladeshes….*
In order to stabilize world population, we must eliminate 350,000 people per day.
Jacques Cousteau
UNESCO Courier

"*A total population of 250-300 million people, a 95% decline from present levels, would be ideal*."
Ted Turner
founder of CNN and major UN donor

"*Current lifestyles and consumption patterns of the affluent middle class - involving high meat intake,use of fossil fuels, appliances, air-conditioning,and suburban housing - are not sustainable.*"
Maurice Strong
Rio Earth Summit

"*The prospect of cheap fusion energy is the worst thing that could happen to the planet*."
Jeremy Rifkin
Greenhouse Crisis Foundation

"*My three main goals would be to reduce human population to about 100 million worldwide, destroy the industrial infrastructure and see wilderness, with it’s full complement of species, returning throughout the world*."
Dave Foreman
co-founder of Earth First!

"*Our insatiable drive to rummage deep beneath the surface of the earth is a willful expansion of our dysfunctional civilization into Nature*."
Al Gore,
Earth in the Balance

"*If we don't overthrow capitalism, we don't have a chance of saving the world ecologically. I think it is possible to have an ecologically sound society under socialism. I don't think it is possible under capitalism*"
Judi Bari,
principal organiser of Earth First!

"*No matter if the science of global warming is all phony...climate change provides the greatest opportunity to bring about justice and equality in the world*."
Christine Stewart
former Canadian Minister of the Environment

"*Christianity is our foe...we must destroy the Judeo-Christian Religious tradition*."
Peter Singer
founder of Animal Rights

"People are the cause of all the problems; we have to many of them; we need to get rid of some of them, and this (ban of DDT) is as good a way as any."
Charles Wurster
Environmental Defense Fund

"Human Beings, as a species, have no more value than slugs."
John Davis
editor of Earth First! Journal

"Deficit spending is simply a scheme for the hidden confiscation of wealth"
Alan Greenspan

"We've got to ride the global warming issue. Even if the theory of global warming is wrong, we will be doing the right thing in terms of economic socialism and environmental policy."
Timothy Wirth
former U.S. Senator (D. Colorado)

"The whole aim of practical politics is to keep the populace alarmed and hence clamorous to be led to safety – by menacing it with an endless series of hobgoblins, all of them imaginary. The urge to save humanity is almost always a false front for the urge to rule"

H.L. Mencken

"*The Earth has cancer and the cancer is Man*."

Club of Rome

The American People will never knowingly adopt socialism. But under the name of "liberalism", they will adopt every fragment of the socialist program."

Norman Thompson

former U.S. Socialist Presidental Candidate

Lenin on "How to attack the west"

"Corrupt the young, get them away from religion. Get them interested in sex. Make them superficial, destroy their ruggedness.Get control of all means of publicity and thereby: Get the peoples' mind off their government by focusing their attention on athletics, sexy books and plays, and other trivialities. Divide the people into hostile groups by constantly harping on controversial matters of no importance. destroy the peoples faith in their natural leaders by holding up the latter to ridicule, contempt and obloquy. Always preach true democracy but seize power as fast and as ruthlessly as possible. Encourage government extravagance, destroy its credit, produce fear with rising prices, inflation and general discontent. Foment unnecessary strikes in vital industries, encourage civil disorders and foster a soft and lenient attitude on the part of government towards such disorders. By specious argument cause the breakdown of the old moral virtues: honesty, sobriety, continence, faith in the pledged word, ruggedness. Cause the registration of all firearms on some pretext, with the view that confiscating them would leave the population defenseless."

Vladimir Ilich Lenin 1921

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