

PickensPlan

T. Boone Pickens Media Coverage 6.5.09

Total of 13 Placements

- * Print: 5
- * Blog/Online: 3
- * Broadcast: 5

Coverage Summary:

InTech, a leading source of information for instrumentation, systems, and automation, has a feature story on Pickens and the Pickens Plan. The article says Pickens' media blitz rivals a national presidential campaign and highlights several key appearances including Meet the Press, 60 Minutes and The Daily Show.

Grand Forks Herald has a piece on the latest oil import numbers. The press release was also posted on several energy related sites, including Wind Today and EndingOil.com.

The Benton County Daily Record (AR) article looks at Walmart's transportation fleet and the focus on doubling efficiency by 2015. The piece discusses alternative fuel sources already being implemented in the experimentation phase. The Senior Vice President for the Transportation Division is quoted talking about Pickens' challenge to Walmart to use natural gas, mentioning incentives in California that make switching to natural gas more attractive.

Larry Kudlow mentioned President Obama and House Speaker Nancy Pelosi's interest in Pickens' natural gas idea on The Kudlow Report.

Highlighted Placements (Full Articles Below)

- * The Last Crusade: Legendary Oilman T. Boone Pickens is on a Quest to Convert How America Propels its Economy - InTech - June 2009

- * U.S. Spends \$484,087 a Minute on Oil Imports - Grand Forks Herald - 6/5/09
- * Alternative Fuel Innovation - The Benton County Daily Record - 6/5/09

Print Placements (Full Articles Below)

- * The Canadian Press News Look-Ahead List from Sunday, June 7 to Saturday, June 20, 2009 - The Canadian Press - 6/4/09
- * Pickens: OU the Team to Beat - Dallas Morning News - 6/4/09

Blog/Online Placements (Full Articles Below)

- * T. Boone Pickens Courts American Indians - BNET - 6/4/09
- * Oil Tycoon Pickens, Michigan Governor Granholm push for Alternative Energy - Automotive.com Blog - 6/4/09
- * Obama's Green Vision is Also Just a Fantasy - Part 2 - Florida Times-Union Blog - 6/4/09

HIGHLIGHTED COVERAGE

The Last Crusade: Legendary Oilman T. Boone Pickens is on a Quest to Convert How America Propels its Economy - InTech - June 2009

By Keith Schmitz

FAST FORWARD

- * Of the total energy used in the U.S., 84% of it comes from fossil fuels.
- * Pickens sees natural gas as the heart of The Plan—followed by wind power.
- * Farmers can earn between \$5,000 and \$15,000 per windmill, per year.

* A home fueling device lets people fill up at home from their natural gas line.

The issue of energy, what it costs, what it is going to take to find more of it, and what it is doing to the planet is a hot topic. So hot that there are a million voices clamoring with solutions about how America can change its energy consumption habits and wean itself off foreign oil.

Some have sounded the warning against the status quo around the climate change issue, but up until now, no one has laid out a blueprint that has gotten much notice on how to get to self-sufficiency. However, when you have a personal fortune of \$4 billion like 80-year-old oilman T. Boone Pickens, chances are folks are going to listen to you.

In July 2008, Pickens announced his Pickens Plan that teams up natural gas and wind power. Pickens believes he has the money, expertise, and arm-twisting ability to get it done. As Pickens put it to Charlie Rose on "60 Minutes," "my father told me 'a man with a plan can beat a genius with no plan.' "

As long as the U.S. controlled the source for oil, the public put little thought into where their next fill-up was coming from as they pulled into their full-service gas station. Then in the 1970s, the country learned of a new four-letter acronym—OPEC, the Organization of the Petroleum Exporting Countries.

In the organization, the oil-producing countries found muscle and they flexed it, reducing output at will for political reasons and recently out of concern that the world is reaching peak production.

Whether or not we are at that point is a topic of debate, but the dynamic growth of third world countries has certainly created a demand, which until the recent economic downturn had driven up the cost of oil to the point where gasoline in the U.S. climbed to over \$4 a gallon.

Energy plays a major role in the U.S. economy. For a country with an estimated gross domestic product for 2008 of \$14.3 trillion dollars,

Pickens puts the amount of imported oil at \$700 billion, though the U.S. Department of Energy sets the figure at \$327.8 billion. Of the total energy used in this country, 84% of it comes from fossil fuels, for transport, industrial, and domestic use. The balance comes from primarily hydroelectric and nuclear power stations.

Having been in the oil business for the past 60 years, Pickens is well acquainted with the U.S. energy market, and he has gotten behind The Plan with a media blitz that rivals a national presidential campaign. In fact, his commercials, part of the \$58 million campaign funded out of his own pocket, were audaciously running simultaneously with Senators John McCain and (now President) Barack Obama's spots on all media.

Fueling The Plan itself goes beyond Pickens' money and involves canny grassroots and "netroots" organizing. Everywhere he appears, he urges people to go to his site to become part of his New Energy Army. Pickens has appeared in virtually every broadcast and print medium. He recently was on "The Daily Show" appealing to Jon Stewart's youthful audience to join his movement and garnered wild applause.

Supporters and critics of The Plan come from unlikely places. Senator Harry Reid (D-NV) told "CBS News," "Here is a man who was my mortal enemy. He's my pal now." Carl Pope came on board at the onset, proclaiming in The Huffington Post, "To put it plainly, T. Boone Pickens is out to save America."

Some conservationists slam The Plan for its reliance on natural gas, replacing one fossil fuel for another. Many conservatives are uncomfortable with the role government plays in the proposal.

Recent financial conditions have lessened the impetus for The Plan. Much of the economic propulsion to consider a switch over to natural gas and wind power has been the steep rise in the cost of energy. Recently, the price of gas slid below \$2 per gallon in the U.S. Not only has the drop made alternatives less attractive, but also the failing economy, which led to the decline, is affecting Pickens.

Tightening credit has led Pickens to scale back on his multi-billion dollar Pampas Wind Project. Half the investors asked to withdraw their money.

However, if Pickens has one quality it is tenacity. As he told Tom Brokaw on "Meet the Press" about his wind project, "I had planned on 30% equity, 70% debt, and I can't get any, any, any money for that at this point. But it doesn't mean that's the end of it. It's been postponed is all it is."

In addition, Pickens also knows how to make connections, which he has with the Obama administration. White House Chief of Staff Rahm Emanuel in an interview posted on the Pickens Plan web site expressed his agreement with The Plan.

No matter what the outcome of America's energy future, with Pickens' experience in making money and finding oil, his billions in personal fortune and the millions in his Energy Army, his influence on this issue cannot be ignored, and he is sharpening national attention on the energy issue.

ABOUT THE AUTHOR

Keith Schmitz (Schmitz1@ameritech.net) is a business-to-business and technology writer based in Milwaukee, Wis. He writes on a range of topics including electronics, HVAC applications, use of lean/Six Sigma/TRIZ techniques, and hydraulics. He works in supply chain and material handling, manufacturing, mining, construction, and medical industries. AutomationDirect (www.automationdirect.com) contributed this article to InTech.

Mining the nation's sweet spot for energy

Experts say the bleak expanse of west Texas is the nation's wind energy sweet spot, with a near-constant wind speed of 17 mph, underused transmission lines, wide-open spaces, and friendly landowners.

On many Texas farms, windmills jut out among the grazing livestock. Farmers in some places can earn between \$5,000 and \$15,000 per windmill

per year, funded by a company called Airtricity out of Dublin, Ireland.

Until now, the Horse Hollow Wind Energy Center in Texas holds the record as the largest wind farm with a generating capacity of 585 megawatts. But of course T. Boone Pickens is looking to top that with his Pampas Wind Project, funded through his Mesa Power Company.

He plans to make an initial \$2 billion purchase of 667 GE wind turbines, part of a four-phase project that will eventually approach a \$12 billion investment to produce 4,000 megawatts. In the entire country, a total of 5,200 megawatts of new wind power came online last year.

Of course, GE, the world's second largest wind turbine manufacturer, is happy with the push from Pickens. GE's chair and Chief Executive Jeffery Immelt proclaimed, "We're excited to partner with an energy visionary like T. Boone Pickens to bring our wind technology to the marketplace."

What are the odds that wind power can play a significant role in the U.S. energy picture? Currently wind provides just 1% of this country's electricity. The U.S. Department of Energy estimates by 2030 as much as 20% of the nation's electricity could be wind-produced, thus reducing CO2 emissions by 825 tons annually. Pickens wants to reach that goal faster—in 10 years—to replace the natural gas power plants in use now.

Not only must we make the electrical grid bigger, but also better. Al Gore has pointed out the grid is obsolete and based on 1950s technology. According to Kurt Yeager of the Galvin Electricity Initiative, using wind power and throwing in solar at the same time needs a smart grid system so that when one power source is dormant, the other is available. "The sun doesn't always shine, the wind doesn't always blow.

"The ability to accommodate that kind of intermittency is not possible, unless we have large quantities of backup power or storage."

But of course, much of the utilization of wind power is dependent right now on federal tax credits and based on the price of other forms of energy. Along with putting up the money to increase wind-generating power, Pickens is also seeking to generate political power through his

connections and his grassroots “Energy Army.”

Pumping up on CNG

The prominent role natural gas plays in the Pickens Plan as a replacement for gasoline in internal combustion engine-powered vehicles is a pet project for T. Boone Pickens dating back to the late 1980s.

However, before this country tells the Saudi royal family thanks but no thanks for their oil, the U.S. has a long way to go before more than just a handful of drivers fuel up on compressed natural gas (CNG). In the U.S., there are 250 million registered gas-burning vehicles—almost one per person. By contrast, just 150,000 vehicles currently use natural gas.

Chances are few people have actually laid eyes on a CNG powered car let alone own one, and that one would only be the Honda Civic GX. Driving one of those cars means hunting for one of the just 1,200 natural gas stations nationwide, versus the 100,000 gas stations across the country.

Through his Clean Energy Fuels Company, Pickens intends to literally prime the pump by building an additional 35 to 40 stations. To further facilitate putting a natural gas car into the country’s garages, Pickens bought a company that sells a home fueling device called Phill, which lets people fill up at home from their natural gas line at an additional \$3,500 for the machine and another \$500 to \$1,000 to install.

Critics maintain Pickens’ idea is just replacing one fossil fuel with another, and the focus should be on developing hybrids now and electric powered vehicles over the long run. Pickens counters the real place for CNG is in heavy-haul trucks, “and that you can’t run an 18-wheeler on a battery.” He continues, “There are only three fuels that will move an 18-wheeler: diesel, gasoline, and natural gas. We don’t have diesel and gasoline, but we do have natural gas. A battery won’t move an 18-wheeler. So I want to see all of the trucks, all new trucks, not retro-fit trucks, but all new trucks go to natural gas.”

Yet in other places, natural gas powered vehicles are catching on with

drivers. Italy and Canada boast the most CNG-friendly infrastructures.

The developing world seems to be the most interested. The number of natural gas cars will triple in Thailand in the next four years. Pakistan, Brazil, and Argentina each have 1.5 million CNG powered vehicles on the streets.

Moreover, when the natural gas stations proliferate, so do the number of natural gas powered cars, as in Utah. Right now, there are 6,000 proud owners of natural gas vehicles in the state, with several hundred joining their ranks every month.

The basics of the Pickens Plan

Pickens in his opening statement on the Pickens Plan said, "America is blessed with the world's greatest wind power corridor and abundant reserves of clean natural gas.

"The Pickens Plan will utilize these tremendous resources to build a bridge to the future, a blueprint to reduce foreign oil dependence by harnessing domestic energy alternatives and buying time for us to develop even greater new technologies."

The Pickens Plan lays out how we can cut oil imports in half.

1. Replace petroleum with natural gas in road vehicles.

Pickens believes the amount of natural gas already available in this country would reduce imported petroleum to 38% of the total oil used in the U.S. To accomplish this part of the plan, a significant portion of the cars used in this country and other vehicles would have to switch over to natural gas.

Pickens sees natural gas as the heart of The Plan, touting it as being cleaner than gasoline, letting out 30% fewer emissions and more readily available, with 98% of the natural gas used in the U.S. coming from North America.

2. Replace the natural gas used in power plants with wind power.

Part of the natural gas supply would come from replacing its use in generating electricity with windmills, funded by private investors. A forest of wind turbines would provide electrical power to the Midwest, South, and Western parts of the country.

3. Build new infrastructure to distribute wind generated power.

All electricity users would pay for power transmission lines to connect the windmills to the power grid at a cost of between \$64 billion and \$128 billion. Pickens compares building these new power lines to President Dwight Eisenhower's call for a national highway system in the 1950s based on Cold War defense needs.

To make this plan happen, Pickens has to depend on the stars aligning in the areas of technology, business, economics, and public opinion.

RESOURCES

- * InTech chart: Liquefied natural gas, who's got it, who wants it
- * www.isa.org/link/Natural_g cht
- * The Pickens Plan: Taking stock of where we are
- * www.boonpickens.com
- * Wisconsin Electric Power Co.
- * www.we-energies.com
- * CNG dispensing systems
- * www.imw.bc.ca/products/dispensers.php
- * Better gas production through math
- * www.isa.org/link/Better_gas_math

U.S. Spends \$484,087 a Minute on Oil Imports - Grand Forks Herald -
6/5/09

DALLAS - Energy expert T. Boone Pickens says the U.S. spends \$484,087 a minute on oil imports.

Pickens provided today his monthly update on the level of United States' oil importation.

Pickens said that based on the latest figures from the U.S. Department of Energy's Energy Information Administration (EIA), the U.S. imported 65 percent of its oil, or 366 million barrels, in May 2009, sending approximately \$21.6 billion, or \$484,087 per minute, overseas to foreign governments.

"If you've opened a paper or turned on the news this week, the bankruptcy filing of General Motors has dominated the headlines," said Pickens, architect of the Pickens Plan to reduce dependence on foreign oil.

"While there were many mitigating factors that contributed to its demise, I can't help but point out that GM, along with the rest of the U.S. automakers, failed to keep up with innovations widely adopted elsewhere across the globe that could help wean this country off its oil addiction. I hope that as the company restructures under the watchful eye of the U.S. government it will make serious investments in developing vehicles that run on fuels such as natural gas that are available in this country, in addition to the investment in electric cars. Our staggering dependence on foreign oil is responsible for more than two-thirds of our trade deficit, and it's killing our economy and putting our national security at risk; the automakers need to take some responsibility for getting us to this crisis point and participate in the solution of this critical issue. "

For the first five months of this year, the U.S. has imported 1.874

billion barrels, after spending approximately \$475 billion on imported oil in 2008.

Pickens continued, "My army of more than 1.5 million Americans understands the threat importing nearly 70 percent of oil has on our national security and economy. President Obama has continually said that he is committed to significantly reducing America's dependence on foreign oil during his term. We cannot waste anymore time, we need true energy reform now. I am confident that we will see Congress tackle important legislation in the coming months addressing the energy crisis."

Alternative Fuel Innovation - The Benton County Daily Record - 6/5/09

By Jeff Mores

When you work for a company that's focused on achieving zero waste, you have no choice but to become innovative. So is the life of Chris Sultemeier, senior vice president of Walmart's Transportation Division.

Walmart Stores Inc. has made significant headway in its Transportation Division, increasing the efficiency of its private fleet by more than 25 percent from 2005 to 2008. The focus is now on doubling Walmart's fleet efficiency by 2015, from its 2005 baseline. In doing so, the company is experimenting with a series of alternative fuel sources and modifications, many of which people have probably heard of but may be surprised to learn have already been implemented.

For example, 15 trucks operating at Walmart's Buckeye, Ariz., distribution center have been converted to run on reclaimed grease fuel. That's fuel made from used brown cooking grease collected from fryers at Walmart's own stores. The remaining trucks at that particular distribution center are operating on an 80/20 blend of biodiesel made from reclaimed yellow waste grease.

Meanwhile, five Peterbilt Model 386 heavy-duty hybrid trucks with diesel-electric hybrid power systems developed by Eaton Corp. and PACCAR are being tested by Walmart in Dallas; Houston; Atlanta Apple Valley, Calif.; and the Washington/Baltimore region.

In addition, copious notes are being taken on four Peterbilt Model 386 trucks operating on liquid natural gas out of the company's Southern California distribution center. These particular trucks are part of a partnership with the Mojave Air Quality Management District.

"We really believe the future is in electrification," Sultemeier said. "But that technology is going to take awhile to develop. There has to be something else in the meantime, and that's what we're researching and experimenting with right now. "This department is constantly in experimenting mode," Sultemeier said. "And, honestly, I think what we're going to find is that there's no one solution. Some alternatives may work better in certain climates or parts of countries than others."

That, to a certain extent, is what Sultemeier and Walmart Transportation are already beginning to see. For example, trucks running on reclaimed grease tend to record better results in warm climate states like Arizona, rather than northern states like Michigan, where cooler temperatures cause the grease to solidify.

Walmart Stores Inc. received a direct challenge from T. Boone Pickens in the area of liquid natural gas. "Liquid natural gas is attractive in the sense it's clearly a resource the U.S. has an abundance of," Sultemeier said. "There are some incentives in California that make this experiment even more attractive out there. But even T. Boone Pickens will say LNG is just a bridge, probably for 20 to 30 years, to get us to electrification."

And Walmart has been busy taking a few steps forward in that area as well.

This winter, Michigan-based Arvin Meritor put the finishing touches on a dual-mode diesel electric hybrid it developed with Walmart. This first-of-its-kind dual-mode diesel-electric hybrid, which will operate out of the Detroit area, has both mechanical and electrical propulsion

systems. The electric motor is used primarily for periods of high demand under low-speed, high-load operating conditions, such as accelerating from a stop. Once moving, the mechanical propulsion system begins to blend its power with the electric motor until the hybrid reaches highway speeds, when the drive phases to completely mechanical.

"I've driven it," Sulzemeier said. "It's like driving a golf cart."

In addition to its work at highway speeds, the engine also charges an onboard energy storage system, which provides power to the electric motor when demand is high. Energy generated during braking is captured and stored using regenerative braking. If successful, Sulzemeier believes this technology could help Walmart's fleet increase its efficiency by up to 25 percent.

"In order to meet our goal of doubling our fleet efficiency, we are taking an active role in the development of these technologies," Sulzemeier said. "We look forward to determining if these technologies will help reduce our environmental footprint, are viable for our business and provide a return on investment."

PRINT COVERAGE

The Canadian Press News Look-Ahead List from Sunday, June 7 to Saturday, June 20, 2009 - The Canadian Press - 6/4/09

CALGARY _ T. Boone Pickens discusses developments in a plan to reduce U.S. reliance on overseas oil, discusses the emerging opportunities for Canadian business and shares his insights on the coming transformation of the continental energy system. (12 p.m. at Westin Hotel - 320 4 Ave S.W.)

Pickens: OU the Team to Beat - Dallas Morning News - 6/4/09

By Chuck Carlton

This might be the season where T. Boone Pickens' investment in Oklahoma State football pays a big dividend.

The Cowboys are getting a lot of preseason love and could be in the same situation that Texas Tech was last season to challenge Oklahoma and Texas. But despite considerable talent, Pickens himself remains cautious about his favorite team. His pick? Oklahoma, although he acknowledged OSU's upside.

"They're going to have a good football team," Pickens told the Oklahoman Wednesday before a speech in Oklahoma City. "Oklahoma's going to have a good football team. I'd say both schools. No question, OU.

"OU's got to be the front-runner for the BCS."

Pickens recently hosted coaches and boosters at his Texas ranch a week ago to brainstorm about improving the program.

In another interesting detail, the Tulsa World reports that coach Mike Gundy has yet to sign his \$15.7 million contract extension, approved in December.

BLOG/ONLINE COVERAGE

T. Boone Pickens Courts American Indians - BNET - 6/4/09

By Kristen Korosec

In his never-ending pursuit of U.S. energy independence, Texas billionaire T. Boone Pickens took his message Wednesday to American Indians. His plea? Support the construction of wind turbines and solar panels on tribal land.

Pickens spoke to American Indians at the annual Sovereignty Symposium in Oklahoma about his "plan" which aims to generate electricity from wind and solar power and use domestic natural gas resources as fuel for cars and trucks.

American Indians living on tribal lands from Oklahoma to the Canadian border would likely be affected since the plains states are viewed as ideal locations for wind power projects. Tribes in southwestern states would be impacted by a solar energy corridor. Oh, and don't forget high voltage transmission lines - the most vulnerable to NIMBYism.

Pickens speech likely did not fall on deaf ears. American Indians are well aware of the emergence of alternative energies and the likely environmental and economic impacts these projects may have on tribes. As WSJ noted last month, while only the Campo reservation in California has wind turbines operating, several other tribes including the Cherokee in Oklahoma are getting close to lease agreement with wind developers.

The federal government - Indian Affairs Offices of Energy and Economic Development and the Department of Energy - has joined the effort and launched a Web site as a clearinghouse of environmental information for tribes on traditional and renewable energy resource development. Then there is the government's Tribal Energy Program formed to promote energy sufficiency, economic growth and employment on tribal lands.

The U.S. Department of Interior has identified 77 of the 276 Indian

reservations with the most wind-power potential. Forty of these are in states that enacted the Renewable Portfolio Standard, which requires utilities to buy a percentage of its power from renewable sources.

The tribes get it. But that doesn't mean they're going to accept offers from any wind developer who comes knocking on their doors. Nor should they.

Of course, these days the most likely challenge facing proposed solar and wind projects is finding the funds to finance the construction.

Oil Tycoon Pickens, Michigan Governor Granholm push for Alternative Energy - Automotive.com Blog - 6/4/09

Oilman T. Boone Pickens is continuing his campaign to educate the U.S. about the importance of a plan that would reduce our dependence on imported foreign oil.

Pickens and Michigan Governor Jennifer Granholm appeared together at the second day of the Detroit Regional Chamber's Mackina Policy Conference. There, he pointed out that though the U.S. accounts for 4 percent of the world's population, it consumes 25 percent of the world's oil. Worse, 70 percent of the oil we consume in the U.S. is foreign, imported oil.

Both participated in a two hour session on renewable energy alternatives to oil. Pickens and Granholm promoted the use of wind and solar power, battery development for electric cars, and more use of compressed natural gas. They also emphasized that more production of renewable energies would create more jobs.

Obama's Green Vision is Also Just a Fantasy - Part 2 - Florida
Times-Union Blog - 6/4/09

I recently posted an article concerning Obama's fantasy of GREEN and lo and behold I received a letter all the way from Oregon by a gentleman named Christopher Calder of Eugene, Oregon. This is one of several restating more intelligently than I could what is wrong with Obama's fantasy. The link to my original article is below followed by Mr. Calder's letter.

http://www.jacksonville.com/interact/blog/pontevedraman/2009-05-23/wrong_on_so_many_other_things_obama's_green_vision_is_also_ju

Jim (Walker),

The public has been misled into believing that "renewable energy" is a good thing, but the provable facts show just the opposite. Hobbits may be able to live poetically, generating energy from the wind, the sun, and the soil. The true facts show that real human beings need concentrated nonrenewable energy to survive.

Renewable Energy Leads to Disaster

Renewable energy schemes other than hydroelectric power take up too much land area and produce far too little energy to be of significant value. Biofuels are the worst disaster of the 21st century, causing the starvation deaths of millions of people worldwide by displacing food production. Biofuel farming erodes topsoil, causes water pollution and water shortages, and has accelerated global warming by increasing the release of greenhouse gases. Indonesia is now the third largest emitter of carbon dioxide, because burning down forests to grow biofuels releases the carbon content of native vegetation into the atmosphere. Liquid biofuels made from switchgrass, wood chips, or food products are so costly and inefficient to manufacture that they provide little, if any, net energy gain.

William Jaeger, an Oregon Science University agricultural economics professor who has studied biofuels extensively, spoke out against

biofuel production to the Oregon State Legislature and stated that "Given currently available technologies it is difficult to see the net contribution of biofuels rising above 1% of our current fossil fuel energy consumption - for either Oregon or the U.S."

Wind power sounds like a good idea until you discover that to produce the energy output of just one automobile engine, you need a Godzilla sized windmill that costs a small fortune and kills birds and bats by the thousands. Wind and sunlight are highly diffuse phenomena, so collecting their energy will always require monster sized artificial structures covering an impossibly large amount of land area to replace the concentrated energy content of fossil fuels. Wind power is a useful way to pump irrigation water, and solar panels are a responsible way to power a few light bulbs in a remote vacation cabin, but they are both terribly inefficient ways to power an entire nation.

Humans need affordable, reliable power 24 hours a day, 365 days a year, not just when the wind blows and the sun shines. Barack Obama and T. Boone Pickens claim that building windmills in America will create many "green jobs," but a study of Spain's energy program found that for every job created by state funded wind power schemes, 2.2 jobs were lost due to higher energy costs, and each new wind power job cost almost \$2,000,000 in government subsidies.

Advanced civilization demands the use of highly concentrated, nonrenewable forms of energy. It is currently politically correct to condemn fossil fuels as evil, but if humans never used fossil fuels there would be no modern medicine, no efficient transportation system, no electronics or modern conveniences, and no large scale human food supply. In a fossil fuel free world we would be stuck in a primitive society based on subsistence farming, domestic animal grazing, hunting and fishing. That may sound like wholesome bucolic fun until you realize that the average human lifespan would be somewhere between 20 to 35 years, and the total world population would be a billion people at most.

As it takes large amounts of energy to produce food, the higher we pump up energy costs with needlessly expensive renewable energy schemes, the higher the price we pay for food. Food price inflation has caused climbing death rates around the world, and it is currently estimated that approximately 20,000 children die of malnutrition and related illness every day. The humane way to curb world population growth is to provide universal family planning education and financial incentives for people to have fewer children, not through the intentional starvation of the poor.

It is a mathematically provable fact that the only practical energy source that can possibly replace fossil fuels is nuclear power, and carbon free nuclear energy is our only hope for limiting greenhouse gas emissions.

The United States Congress is planning to legislate high taxes on CO2 emissions, but if we do not have sufficient nuclear energy capacity to provide us with carbon free energy, such draconian tax schemes will collapse our economy. Instead of taxing already expensive energy and food, our leaders should reduce the red tape required to build nuclear power plants and limit lawsuits against power plant construction. France relies heavily on nuclear power and has the cleanest air and lowest electricity rates in Europe.

Denmark built over 6,000 expensive wind turbines as a minor supplement to its energy grid, and now has the highest electric rates in Europe, about double what the average American pays. Denmark has been unable to shut down a single fossil fuel power plant as a result of embracing wind power, as they need inherently dirty coal burning power plants as back-up when the wind stops blowing. The Chair of Energy Policy in Denmark has branded wind power "a terribly expensive disaster." Solar power is even more expensive than wind power, and you get absolutely no solar power at night.

You often hear unjustified scare stories about nuclear power, but it has a far better safety record than any fossil fuel and will not produce the kind of massive ecological and food supply destruction caused by biofuels, wind, and solar power schemes. Nuclear power is flexible and can be used to produce superior quality synthetic gasoline and jet fuel using carbon dioxide sucked right out of the atmosphere. Nuclear power can even be used to produce synthetic fertilizers, which currently require large amounts of natural gas to create.

Nuclear power is safe, reliable, carbon free, takes up very little space, and does not displace food production. There are no problem free energy sources, but all of the well known negatives of nuclear power can be addressed and corrected by responsible design and policies. With the use of nuclear fuel reprocessing and breeder reactors, we have enough nuclear fuel to last for thousands of years.

Renewable energy schemes other than naturally concentrated hydroelectric power are inherently inadequate. Geothermal energy is a valuable asset that may someday satisfy as much as 10% of our nation's energy needs, but strictly speaking geothermal is not a renewable energy source because hot geothermal wells eventually run cold. The United States Government subsidizes wind power over 14 times as much as nuclear power, and over 93 times as much as the cleanest fossil fuel, natural gas.

Environmentalists are blocking natural gas production, geothermal power plants, nuclear reactor construction, and even some wind power projects because of the visual pollution created by legions of monster sized wind turbines despoiling the landscape. Obviously, the United States needs massive amounts of new energy to survive, so unless we adopt responsible energy policies that face facts honestly, the USA has no positive economic future. Trying to replace the highly concentrated energy of fossil fuels with the inherently weak energy of wind, solar, and biofuels will cripple our economy and cause massive starvation on a global scale.

For scientific details, see "The biofuel hoax is causing a world food crisis!" at:

<http://home.att.net/~meditation/bio-fuel-hoax.html>

Christopher Calder, Eugene, Oregon

Thanks to Mr. Calder for this insightful letter. I do hope that people will soon begin to figure out that we are being swindled by the Messiah before it is too late as he makes CHANGES WE CANNOT BELIEVE IN!

BROADCAST COVERAGE

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1. The Kudlow Report

DMA: N/A

CNBC (---) National

06/04/2009

07:00 PM - 08:00 PM

Available formats: QuickView, DVD, CD, digital link, videotape, transcript, NewsBoard

00:48:18 TZ; Oil: Goldman Sachs reports that the price per barrel of oil will be near 85 dollars by year end. Kudlow says we are giving power to OPEC. It is time to drill. The Obama Administration is opposed to all forms of drilling. SI; Daniel Weiss, Director of Climate Strategy Center For American Progress, says your facts are wrong. The Obama Administration is not opposed to those things. The new car standards will allow cars to go further on a gallon of gas. V; Oil wells, off shore oil rigs. SI; Myron Ebell, Competitive Enterprise Institute, says the Obama administration and the Democratic Congress have been backtracking last year's progress. Kudlow says Obama and House Speaker Nancy Pelosi say they are interested in T.Boone Pickens idea to get natural gas converted to liquid. SI; Ebell says President Obama wants energy prices to go up. GR; Retail Gasoline Price graph. 00:53:25

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2. Fox Business

DMA: N/A

Fox Business Network (---) National

06/04/2009

02:00 PM - 03:00 PM

[CC] 00:33:28 Liz: check it out. Preliminary close. up \$68. 68 for oil Trading at the NYNEX. It looks like what we have here is a moon shot to \$70 just as Boone Pickens said. David: yeah. Right, he did say that. Then we heard reports, of course, from Goldman Sachs saying that it would be \$85. That came today so take your pick. Liz: where will oil be in a month and then a year? JP Morgan Chase reportedly hiring a super tanker to store heating oil off the coast of Malta for nine months. They're doing that so they can possibly take advantage of future oil prices that they perceive would skyrocket. Vid: then I mentioned the \$85 bet that Goldman Sachs is making. It was Goldman Sachs a year ago said it would go to \$200 before it goes down. That was dead wrong. Take it with a grain of salt.... 00:34:54

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3. Good Day New York: First Edition

DMA: 1

WNYW-TV CH 5 (FOX) New York

Spot Cost: \$655

06/05/2009

06:00 AM - 07:00 AM

Est. Audience: 71,345

Available formats: QuickView, DVD, CD, digital link, videotape,
transcript, NewsBoard

[CC] 00:17:04 ...And oil. Prices are now close to seven-month highs, many Americans are worried we will see a spike like the one last summer that drove oil close to 150 dollars a barrel . President Obama has been out spoken on need for alternative energy, but we met with Madeline Pickens, the wife of oil T.Boone Pickens. She says there is an obvious answer that the president is overlooking.” The president loves wind and solar. Hasn’t talked much about natural gas. It is a no brainer and I think he will come to the conclusion that that is important. That gives us a bridge for ten years because a battery car sounds great. Hydrogen car sounds great, but they cannot be here tomorrow. When you have natural gas up and down every street”....Boone Pickens has been very outspoken on the need for natural gas., to use natural gas as an alternative in the next 10 years ..He is heavily invested in natural gas.He is quite transparent on those thing. Madeline’s real passion is horses. She’s trying to save 33,000 horses out west ... 00:18:44

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4. Action 7 News

DMA: 145

KSWO-TV CH 7 (ABC) Wichita Falls/Lawton(OK), TX

Spot Cost: \$148

06/04/2009

06:00 PM - 07:00 PM

Est. Audience: 15,961

Available formats: QuickView, DVD, CD, digital link, videotape, transcript, NewsBoard

[CC] 00:27:49 Just ahead, billionaire T. Boone Pickens is trying to get Indian tribes on board his alternative energy bandwagon. 00:28:25

[CC] 00:32:31 Billionaire and hopeful alternative energy pioneer, T. Boone Pickens is reaching out to native Americans. The man who made his fortune on oil, appealed to a gathering of Oklahoma tribes asking them to support the construction of wind turbines, like these, on tribal lands. He's also asking them to support solar panels. Pickens has been on a crusade to ease America's dependence on foreign oil. His plan involves converting the country's electrical supply to alternative sources like wind and solar power and then freeing up natural gas to fuel vehicles. 00:34:34

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5. Action 7 News

DMA: 145

KSWO-TV CH 7 (ABC) Wichita Falls/Lawton(OK), TX

Spot Cost: \$167

06/04/2009

05:00 PM - 05:30 PM

Est. Audience: 13,387

Available formats: QuickView, DVD, CD, digital link, videotape, transcript, NewsBoard

[CC] 00:07:16 Billionaire and hopeful alternative energy pioneer, T. Boone Pickens, is reaching out to native Americans. The man who made his fortune on oil appealed to a gathering of Oklahoma tribes asking them to support the construction of wind turbines, like these, on tribal lands. He's also asking them to support solar panels. Pickens has been on a crusade to ease America's dependence on foreign oil. His plan involves converting the country's electrical supply to alternative sources like wind and solar power and then freeing up natural gas to fuel vehicles.
00:09:05

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From: Melissa McKay
Sent: Friday, June 05, 2009 12:10 PM
To: Emily Parker
Subject: RE: For Review - Pickens Monitoring

The Walmart article and Kudlow piece need to be included in highlights

From: Emily Parker
Sent: Friday, June 05, 2009 12:02 PM
To: Pickens Team

Subject: For Review - Pickens Monitoring

Team,

Here is today's monitoring for your review.

Thanks,
Emily

T. Boone Pickens Media Coverage 6.5.09

Total of 13 Placements

- * Print: 5
- * Blog/Online: 3
- * Broadcast: 5

Coverage Summary:

InTech, a leading source of information for instrumentation, systems, and automation, has a feature story on Pickens and the Pickens Plan. The article says Pickens' media blitz rivals a national presidential campaign and highlights several key appearances including Meet the Press, 60 Minutes and The Daily Show.

Grand Forks Herald has a piece on the latest oil import numbers. The press release was also posted on several energy related sites, including Wind Today and EndingOil.com.

Highlighted Placements (Full Articles Below)

- * The Last Crusade: Legendary Oilman T. Boone Pickens is on a Quest to Convert How America Propels its Economy - InTech - June 2009

* U.S. Spends \$484,087 a Minute on Oil Imports - Grand Forks Herald - 6/5/09

Print Placements (Full Articles Below)

- * Alternative Fuel Innovation - The Benton County Record - 6/5/09
- * The Canadian Press News Look-Ahead List from Sunday, June 7 to Saturday, June 20, 2009 - The Canadian Press - 6/4/09
- * Pickens: OU the Team to Beat - Dallas Morning News - 6/4/09

Blog/Online Placements (Full Articles Below)

- * T. Boone Pickens Courts American Indians - BNET - 6/4/09
- * Oil Tycoon Pickens, Michigan Governor Granholm push for Alternative Energy - Automotive.com Blog - 6/4/09
- * Obama's Green Vision is Also Just a Fantasy - Part 2 - Florida Times-Union Blog - 6/4/09

HIGHLIGHTED COVERAGE

The Last Crusade: Legendary Oilman T. Boone Pickens is on a Quest to Convert How America Propels its Economy - InTech - June 2009

By Keith Schmitz

FAST FORWARD

- * Of the total energy used in the U.S., 84% of it comes from fossil fuels.
- * Pickens sees natural gas as the heart of The Plan—followed by wind power.
- * Farmers can earn between \$5,000 and \$15,000 per windmill, per year.
- * A home fueling device lets people fill up at home from their natural gas line.

The issue of energy, what it costs, what it is going to take to find more of it, and what it is doing to the planet is a hot topic. So hot that there are a million voices clamoring with solutions about how America can change its energy consumption habits and wean itself off foreign oil.

Some have sounded the warning against the status quo around the climate change issue, but up until now, no one has laid out a blueprint that has gotten much notice on how to get to self-sufficiency. However, when you have a personal fortune of \$4 billion like 80-year-old oilman T. Boone Pickens, chances are folks are going to listen to you.

In July 2008, Pickens announced his Pickens Plan that teams up natural gas and wind power. Pickens believes he has the money, expertise, and arm-twisting ability to get it done. As Pickens put it to Charlie Rose on "60 Minutes," "my father told me 'a man with a plan can beat a genius with no plan.' "

As long as the U.S. controlled the source for oil, the public put little thought into where their next fill-up was coming from as they pulled into their full-service gas station. Then in the 1970s, the country learned of a new four-letter acronym—OPEC, the Organization of the Petroleum Exporting Countries.

In the organization, the oil-producing countries found muscle and they flexed it, reducing output at will for political reasons and recently out of concern that the world is reaching peak production.

Whether or not we are at that point is a topic of debate, but the dynamic growth of third world countries has certainly created a demand, which until the recent economic downturn had driven up the cost of oil to the point where gasoline in the U.S. climbed to over \$4 a gallon.

Energy plays a major role in the U.S. economy. For a country with an estimated gross domestic product for 2008 of \$14.3 trillion dollars, Pickens puts the amount of imported oil at \$700 billion, though the U.S. Department of Energy sets the figure at \$327.8 billion. Of the total

energy used in this country, 84% of it comes from fossil fuels, for transport, industrial, and domestic use. The balance comes from primarily hydroelectric and nuclear power stations.

Having been in the oil business for the past 60 years, Pickens is well acquainted with the U.S. energy market, and he has gotten behind The Plan with a media blitz that rivals a national presidential campaign. In fact, his commercials, part of the \$58 million campaign funded out his own pocket, were audaciously running simultaneously with Senators John McCain and (now President) Barack Obama's spots on all media.

Fueling The Plan itself goes beyond Pickens' money and involves canny grassroots and "netroots" organizing. Everywhere he appears, he urges people to go to his site to become part of his New Energy Army. Pickens has appeared in virtually every broadcast and print medium. He recently was on "The Daily Show" appealing to Jon Stewart's youthful audience to join his movement and garnered wild applause.

Supporters and critics of The Plan come from unlikely places. Senator Harry Reid (D-NV) told "CBS News," "Here is a man who was my mortal enemy. He's my pal now." Carl Pope came on board at the onset, proclaiming in The Huffington Post, "To put it plainly, T. Boone Pickens is out to save America."

Some conservationists slam The Plan for its reliance on natural gas, replacing one fossil fuel for another. Many conservatives are uncomfortable with the role government plays in the proposal.

Recent financial conditions have lessened the impetus for The Plan. Much of the economic propulsion to consider a switch over to natural gas and wind power has been the steep rise in the cost of energy. Recently, the price of gas slid below \$2 per gallon in the U.S. Not only has the drop made alternatives less attractive, but also the failing economy, which led to the decline, is affecting Pickens.

Tightening credit has led Pickens to scale back on his multi-billion dollar Pampas Wind Project. Half the investors asked to withdraw their money.

However, if Pickens has one quality it is tenacity. As he told Tom Brokaw on "Meet the Press" about his wind project, "I had planned on 30% equity, 70% debt, and I can't get any, any, any money for that at this point. But it doesn't mean that's the end of it. It's been postponed is all it is."

In addition, Pickens also knows how to make connections, which he has with the Obama administration. White House Chief of Staff Rahm Emanuel in an interview posted on the Pickens Plan web site expressed his agreement with The Plan.

No matter what the outcome of America's energy future, with Pickens' experience in making money and finding oil, his billions in personal fortune and the millions in his Energy Army, his influence on this issue cannot be ignored, and he is sharpening national attention on the energy issue.

ABOUT THE AUTHOR

Keith Schmitz (Schmitz1@ameritech.net) is a business-to-business and technology writer based in Milwaukee, Wis. He writes on a range of topics including electronics, HVAC applications, use of lean/Six Sigma/TRIZ techniques, and hydraulics. He works in supply chain and material handling, manufacturing, mining, construction, and medical industries. AutomationDirect (www.automationdirect.com) contributed this article to InTech.

Mining the nation's sweet spot for energy

Experts say the bleak expanse of west Texas is the nation's wind energy sweet spot, with a near-constant wind speed of 17 mph, underused transmission lines, wide-open spaces, and friendly landowners.

On many Texas farms, windmills jut out among the grazing livestock. Farmers in some places can earn between \$5,000 and \$15,000 per windmill per year, funded by a company called Airtricity out of Dublin, Ireland.

Until now, the Horse Hollow Wind Energy Center in Texas holds the record as the largest wind farm with a generating capacity of 585 megawatts. But of course T. Boone Pickens is looking to top that with his Pampas Wind Project, funded through his Mesa Power Company.

He plans to make an initial \$2 billion purchase of 667 GE wind turbines, part of a four-phase project that will eventually approach a \$12 billion investment to produce 4,000 megawatts. In the entire country, a total of 5,200 megawatts of new wind power came online last year.

Of course, GE, the world's second largest wind turbine manufacturer, is happy with the push from Pickens. GE's chair and Chief Executive Jeffery Immelt proclaimed, "We're excited to partner with an energy visionary like T. Boone Pickens to bring our wind technology to the marketplace."

What are the odds that wind power can play a significant role in the U.S. energy picture? Currently wind provides just 1% of this country's electricity. The U.S. Department of Energy estimates by 2030 as much as 20% of the nation's electricity could be wind-produced, thus reducing CO2 emissions by 825 tons annually. Pickens wants to reach that goal faster—in 10 years—to replace the natural gas power plants in use now.

Not only must we make the electrical grid bigger, but also better. Al Gore has pointed out the grid is obsolete and based on 1950s technology. According to Kurt Yeager of the Galvin Electricity Initiative, using wind power and throwing in solar at the same time needs a smart grid system so that when one power source is dormant, the other is available. "The sun doesn't always shine, the wind doesn't always blow.

"The ability to accommodate that kind of intermittency is not possible, unless we have large quantities of backup power or storage."

But of course, much of the utilization of wind power is dependent right now on federal tax credits and based on the price of other forms of energy. Along with putting up the money to increase wind-generating power, Pickens is also seeking to generate political power through his connections and his grassroots "Energy Army."

Pumping up on CNG

The prominent role natural gas plays in the Pickens Plan as a replacement for gasoline in internal combustion engine-powered vehicles is a pet project for T. Boone Pickens dating back to the late 1980s.

However, before this country tells the Saudi royal family thanks but no thanks for their oil, the U.S. has a long way to go before more than just a handful of drivers fuel up on compressed natural gas (CNG). In the U.S., there are 250 million registered gas-burning vehicles—almost one per person. By contrast, just 150,000 vehicles currently use natural gas.

Chances are few people have actually laid eyes on a CNG powered car let alone own one, and that one would only be the Honda Civic GX. Driving one of those cars means hunting for one of the just 1,200 natural gas stations nationwide, versus the 100,000 gas stations across the country.

Through his Clean Energy Fuels Company, Pickens intends to literally prime the pump by building an additional 35 to 40 stations. To further facilitate putting a natural gas car into the country's garages, Pickens bought a company that sells a home fueling device called Phill, which lets people fill up at home from their natural gas line at an additional \$3,500 for the machine and another \$500 to \$1,000 to install.

Critics maintain Pickens' idea is just replacing one fossil fuel with another, and the focus should be on developing hybrids now and electric powered vehicles over the long run. Pickens counters the real place for CNG is in heavy-haul trucks, "and that you can't run an 18-wheeler on a battery." He continues, "There are only three fuels that will move an 18-wheeler: diesel, gasoline, and natural gas. We don't have diesel and gasoline, but we do have natural gas. A battery won't move an 18-wheeler. So I want to see all of the trucks, all new trucks, not retro-fit trucks, but all new trucks go to natural gas."

Yet in other places, natural gas powered vehicles are catching on with drivers. Italy and Canada boast the most CNG-friendly infrastructures.

The developing world seems to be the most interested. The number of natural gas cars will triple in Thailand in the next four years. Pakistan, Brazil, and Argentina each have 1.5 million CNG powered vehicles on the streets.

Moreover, when the natural gas stations proliferate, so do the number of natural gas powered cars, as in Utah. Right now, there are 6,000 proud owners of natural gas vehicles in the state, with several hundred joining their ranks every month.

The basics of the Pickens Plan

Pickens in his opening statement on the Pickens Plan said, "America is blessed with the world's greatest wind power corridor and abundant reserves of clean natural gas.

"The Pickens Plan will utilize these tremendous resources to build a bridge to the future, a blueprint to reduce foreign oil dependence by harnessing domestic energy alternatives and buying time for us to develop even greater new technologies."

The Pickens Plan lays out how we can cut oil imports in half.

1. Replace petroleum with natural gas in road vehicles.

Pickens believes the amount of natural gas already available in this country would reduce imported petroleum to 38% of the total oil used in the U.S. To accomplish this part of the plan, a significant portion of the cars used in this country and other vehicles would have to switch over to natural gas.

Pickens sees natural gas as the heart of The Plan, touting it as being cleaner than gasoline, letting out 30% fewer emissions and more readily available, with 98% of the natural gas used in the U.S. coming from

North America.

2. Replace the natural gas used in power plants with wind power.

Part of the natural gas supply would come from replacing its use in generating electricity with windmills, funded by private investors. A forest of wind turbines would provide electrical power to the Midwest, South, and Western parts of the country.

3. Build new infrastructure to distribute wind generated power.

All electricity users would pay for power transmission lines to connect the windmills to the power grid at a cost of between \$64 billion and \$128 billion. Pickens compares building these new power lines to President Dwight Eisenhower's call for a national highway system in the 1950s based on Cold War defense needs.

To make this plan happen, Pickens has to depend on the stars aligning in the areas of technology, business, economics, and public opinion.

RESOURCES

- * InTech chart: Liquefied natural gas, who's got it, who wants it
- * www.isa.org/link/Natural_g_cht
- * The Pickens Plan: Taking stock of where we are
- * www.boonepickens.com
- * Wisconsin Electric Power Co.
- * www.we-energies.com
- * CNG dispensing systems
- * www.imw.bc.ca/products/dispensers.php
- * Better gas production through math
- * www.isa.org/link/Better_gas_math

U.S. Spends \$484,087 a Minute on Oil Imports - Grand Forks Herald -
6/5/09

DALLAS - Energy expert T. Boone Pickens says the U.S. spends \$484,087 a minute on oil imports.

Pickens provided today his monthly update on the level of United States' oil importation.

Pickens said that based on the latest figures from the U.S. Department of Energy's Energy Information Administration (EIA), the U.S. imported 65 percent of its oil, or 366 million barrels, in May 2009, sending approximately \$21.6 billion, or \$484,087 per minute, overseas to foreign governments.

"If you've opened a paper or turned on the news this week, the bankruptcy filing of General Motors has dominated the headlines," said Pickens, architect of the Pickens Plan to reduce dependence on foreign oil.

"While there were many mitigating factors that contributed to its demise, I can't help but point out that GM, along with the rest of the U.S. automakers, failed to keep up with innovations widely adopted elsewhere across the globe that could help wean this country off its oil addiction. I hope that as the company restructures under the watchful eye of the U.S. government it will make serious investments in developing vehicles that run on fuels such as natural gas that are available in this country, in addition to the investment in electric cars. Our staggering dependence on foreign oil is responsible for more than two-thirds of our trade deficit, and it's killing our economy and putting our national security at risk; the automakers need to take some responsibility for getting us to this crisis point and participate in the solution of this critical issue. "

For the first five months of this year, the U.S. has imported 1.874 billion barrels, after spending approximately \$475 billion on imported oil in 2008.

Pickens continued, "My army of more than 1.5 million Americans understands the threat importing nearly 70 percent of oil has on our national security and economy. President Obama has continually said that he is committed to significantly reducing America's dependence on foreign oil during his term. We cannot waste anymore time, we need true energy reform now. I am confident that we will see Congress tackle important legislation in the coming months addressing the energy crisis."

PRINT COVERAGE

Alternative Fuel Innovation - The Benton County Record - 6/5/09

By Jeff Mores

When you work for a company that's focused on achieving zero waste, you have no choice but to become innovative. So is the life of Chris Sulzemeier, senior vice president of Walmart's Transportation Division.

Walmart Stores Inc. has made significant headway in its Transportation Division, increasing the efficiency of its private fleet by more than 25 percent from 2005 to 2008. The focus is now on doubling Walmart's fleet efficiency by 2015, from its 2005 baseline. In doing so, the company is experimenting with a series of alternative fuel sources and modifications, many of which people have probably heard of but may be surprised to learn have already been implemented.

For example, 15 trucks operating at Walmart's Buckeye, Ariz., distribution center have been converted to run on reclaimed grease fuel. That's fuel made from used brown cooking grease collected from fryers at Walmart's own stores. The remaining trucks at that particular distribution center are operating on an 80/20 blend of biodiesel made from reclaimed yellow waste grease.

Meanwhile, five Peterbilt Model 386 heavy-duty hybrid trucks with diesel-electric hybrid power systems developed by Eaton Corp. and PACCAR are being tested by Walmart in Dallas; Houston; Atlanta Apple Valley, Calif.; and the Washington/Baltimore region.

In addition, copious notes are being taken on four Peterbilt Model 386 trucks operating on liquid natural gas out of the company's Southern California distribution center. These particular trucks are part of a partnership with the Mojave Air Quality Management District.

"We really believe the future is in electrification," Sultemeier said. "But that technology is going to take awhile to develop. There has to be something else in the meantime, and that's what we're researching and experimenting with right now. "This department is constantly in experimenting mode," Sultemeier said. "And, honestly, I think what we're going to find is that there's no one solution. Some alternatives may work better in certain climates or parts of countries than others."

That, to a certain extent, is what Sultemeier and Walmart Transportation are already beginning to see. For example, trucks running on reclaimed grease tend to record better results in warm climate states like Arizona, rather than northern states like Michigan, where cooler temperatures cause the grease to solidify.

Walmart Stores Inc. received a direct challenge from T. Boone Pickens in the area of liquid natural gas. "Liquid natural gas is attractive in the sense it's clearly a resource the U.S. has an abundance of," Sultemeier said. "There are some incentives in California that make this experiment even more attractive out there. But even T. Boone Pickens will say LNG is just a bridge, probably for 20 to 30 years, to get us to electrification."

And Walmart has been busy taking a few steps forward in that area as well.

This winter, Michigan-based Arvin Meritor put the finishing touches on a dual-mode diesel electric hybrid it developed with Walmart. This first-of-its-kind dual-mode diesel-electric hybrid, which will operate

out of the Detroit area, has both mechanical and electrical propulsion systems. The electric motor is used primarily for periods of high demand under low-speed, high-load operating conditions, such as accelerating from a stop. Once moving, the mechanical propulsion system begins to blend its power with the electric motor until the hybrid reaches highway speeds, when the drive phases to completely mechanical.

"I've driven it," Sultemeier said. "It's like driving a golf cart."

In addition to its work at highway speeds, the engine also charges an onboard energy storage system, which provides power to the electric motor when demand is high. Energy generated during braking is captured and stored using regenerative braking. If successful, Sultemeier believes this technology could help Walmart's fleet increase its efficiency by up to 25 percent.

"In order to meet our goal of doubling our fleet efficiency, we are taking an active role in the development of these technologies," Sultemeier said. "We look forward to determining if these technologies will help reduce our environmental footprint, are viable for our business and provide a return on investment."

The Canadian Press News Look-Ahead List from Sunday, June 7 to Saturday, June 20, 2009 - The Canadian Press - 6/4/09

CALGARY _ T. Boone Pickens discusses developments in a plan to reduce U.S. reliance on overseas oil, discusses the emerging opportunities for Canadian business and shares his insights on the coming transformation of the continental energy system. (12 p.m. at Westin Hotel - 320 4 Ave S.W.)

Pickens: OU the Team to Beat - Dallas Morning News - 6/4/09

By Chuck Carlton

This might be the season where T. Boone Pickens' investment in Oklahoma State football pays a big dividend.

The Cowboys are getting a lot of preseason love and could be in the same situation that Texas Tech was last season to challenge Oklahoma and Texas. But despite considerable talent, Pickens himself remains cautious about his favorite team. His pick? Oklahoma, although he acknowledged OSU's upside.

"They're going to have a good football team," Pickens told the Oklahoman Wednesday before a speech in Oklahoma City. "Oklahoma's going to have a good football team. I'd say both schools. No question, OU.

"OU's got to be the front-runner for the BCS."

Pickens recently hosted coaches and boosters at his Texas ranch a week ago to brainstorm about improving the program.

In another interesting detail, the Tulsa World reports that coach Mike Gundy has yet to sign his \$15.7 million contract extension, approved in December.

BLOG/ONLINE COVERAGE

T. Boone Pickens Courts American Indians - BNET - 6/4/09

By Kristen Korosec

In his never-ending pursuit of U.S. energy independence, Texas billionaire T. Boone Pickens took his message Wednesday to American Indians. His plea? Support the construction of wind turbines and solar panels on tribal land.

Pickens spoke to American Indians at the annual Sovereignty Symposium in Oklahoma about his “plan” which aims to generate electricity from wind and solar power and use domestic natural gas resources as fuel for cars and trucks.

American Indians living on tribal lands from Oklahoma to the Canadian border would likely be affected since the plains states are viewed as ideal locations for wind power projects. Tribes in southwestern states would be impacted by a solar energy corridor. Oh, and don't forget high voltage transmission lines – the most vulnerable to NIMBYism.

Pickens speech likely did not fall on deaf ears. American Indians are well aware of the emergence of alternative energies and the likely environmental and economic impacts these projects may have on tribes. As WSJ noted last month, while only the Campo reservation in California has wind turbines operating, several other tribes including the Cherokee in Oklahoma are getting close to lease agreement with wind developers.

The federal government – Indian Affairs Offices of Energy and Economic Development and the Department of Energy – has joined the effort and launched a Web site as a clearinghouse of environmental information for tribes on traditional and renewable energy resource development. Then there is the government's Tribal Energy Program formed to promote energy sufficiency, economic growth and employment on tribal lands.

The U.S. Department of Interior has identified 77 of the 276 Indian reservations with the most wind-power potential. Forty of these are in states that enacted the Renewable Portfolio Standard, which requires utilities to buy a percentage of its power from renewable sources.

The tribes get it. But that doesn't mean they're going to accept offers from any wind developer who comes knocking on their doors. Nor should they.

Of course, these days the most likely challenge facing proposed solar and wind projects is finding the funds to finance the construction.

Oil Tycoon Pickens, Michigan Governor Granholm push for Alternative Energy - Automotive.com Blog - 6/4/09

Oilman T. Boone Pickens is continuing his campaign to educate the U.S. about the importance of a plan that would reduce our dependence on imported foreign oil.

Pickens and Michigan Governor Jennifer Granholm appeared together at the second day of the Detroit Regional Chamber's Mackina Policy Conference. There, he pointed out that though the U.S. accounts for 4 percent of the world's population, it consumes 25 percent of the world's oil. Worse, 70 percent of the oil we consume in the U.S. is foreign, imported oil.

Both participated in a two hour session on renewable energy alternatives to oil. Pickens and Granholm promoted the use of wind and solar power, battery development for electric cars, and more use of compressed natural gas. They also emphasized that more production of renewable energies would create more jobs.

Obama's Green Vision is Also Just a Fantasy - Part 2 - Florida Times-Union Blog - 6/4/09

I recently posted an article concerning Obama's fantasy of GREEN and lo and behold I received a letter all the way from Oregon by a gentleman named Christopher Calder of Eugene, Oregon. This is one of several restating more intelligently than I could what is wrong with Obama's fantasy. The link to my original article is below followed by Mr. Calder's letter.

http://www.jacksonville.com/interact/blog/pontevedraman/2009-05-23/wrong_on_so_many_other_things_obama's_green_vision_is_also_ju

Jim (Walker),

The public has been misled into believing that "renewable energy" is a good thing, but the provable facts show just the opposite. Hobbits may be able to live poetically, generating energy from the wind, the sun, and the soil. The true facts show that real human beings need concentrated nonrenewable energy to survive.

Renewable Energy Leads to Disaster

Renewable energy schemes other than hydroelectric power take up too much land area and produce far too little energy to be of significant value. Biofuels are the worst disaster of the 21st century, causing the starvation deaths of millions of people worldwide by displacing food production. Biofuel farming erodes topsoil, causes water pollution and water shortages, and has accelerated global warming by increasing the release of greenhouse gases. Indonesia is now the third largest emitter of carbon dioxide, because burning down forests to grow biofuels releases the carbon content of native vegetation into the atmosphere. Liquid biofuels made from switchgrass, wood chips, or food products are so costly and inefficient to manufacture that they provide little, if any, net energy gain.

William Jaeger, an Oregon Science University agricultural economics professor who has studied biofuels extensively, spoke out against biofuel production to the Oregon State Legislature and stated that "Given currently available technologies it is difficult to see the net contribution of biofuels rising above 1% of our current fossil fuel energy consumption - for either Oregon or the U.S."

Wind power sounds like a good idea until you discover that to produce the energy output of just one automobile engine, you need a Godzilla sized windmill that costs a small fortune and kills birds and bats by the thousands. Wind and sunlight are highly diffuse phenomena, so collecting their energy will always require monster sized artificial structures covering an impossibly large amount of land area to replace the concentrated energy content of fossil fuels. Wind power is a useful way to pump irrigation water, and solar panels are a responsible way to power a few light bulbs in a remote vacation cabin, but they are both terribly inefficient ways to power an entire nation.

Humans need affordable, reliable power 24 hours a day, 365 days a year, not just when the wind blows and the sun shines. Barack Obama and T. Boone Pickens claim that building windmills in America will create many "green jobs," but a study of Spain's energy program found that for every job created by state funded wind power schemes, 2.2 jobs were lost due to higher energy costs, and each new wind power job cost almost \$2,000,000 in government subsidies.

Advanced civilization demands the use of highly concentrated, nonrenewable forms of energy. It is currently politically correct to condemn fossil fuels as evil, but if humans never used fossil fuels there would be no modern medicine, no efficient transportation system, no electronics or modern conveniences, and no large scale human food supply. In a fossil fuel free world we would be stuck in a primitive society based on subsistence farming, domestic animal grazing, hunting and fishing. That may sound like wholesome bucolic fun until you realize that the average human lifespan would be somewhere between 20 to 35 years, and the total world population would be a billion people at most.

As it takes large amounts of energy to produce food, the higher we pump up energy costs with needlessly expensive renewable energy schemes, the higher the price we pay for food. Food price inflation has caused climbing death rates around the world, and it is currently estimated that approximately 20,000 children die of malnutrition and related illness every day. The humane way to curb world population growth is to provide universal family planning education and financial incentives for people to have fewer children, not through the intentional starvation of the poor.

It is a mathematically provable fact that the only practical energy source that can possibly replace fossil fuels is nuclear power, and

carbon free nuclear energy is our only hope for limiting greenhouse gas emissions.

The United States Congress is planning to legislate high taxes on CO2 emissions, but if we do not have sufficient nuclear energy capacity to provide us with carbon free energy, such draconian tax schemes will collapse our economy. Instead of taxing already expensive energy and food, our leaders should reduce the red tape required to build nuclear power plants and limit lawsuits against power plant construction. France relies heavily on nuclear power and has the cleanest air and lowest electricity rates in Europe.

Denmark built over 6,000 expensive wind turbines as a minor supplement to its energy grid, and now has the highest electric rates in Europe, about double what the average American pays. Denmark has been unable to shut down a single fossil fuel power plant as a result of embracing wind power, as they need inherently dirty coal burning power plants as back-up when the wind stops blowing. The Chair of Energy Policy in Denmark has branded wind power "a terribly expensive disaster." Solar power is even more expensive than wind power, and you get absolutely no solar power at night.

You often hear unjustified scare stories about nuclear power, but it has a far better safety record than any fossil fuel and will not produce the kind of massive ecological and food supply destruction caused by biofuels, wind, and solar power schemes. Nuclear power is flexible and can be used to produce superior quality synthetic gasoline and jet fuel using carbon dioxide sucked right out of the atmosphere. Nuclear power can even be used to produce synthetic fertilizers, which currently require large amounts of natural gas to create.

Nuclear power is safe, reliable, carbon free, takes up very little space, and does not displace food production. There are no problem free energy sources, but all of the well known negatives of nuclear power can be addressed and corrected by responsible design and policies. With the use of nuclear fuel reprocessing and breeder reactors, we have enough nuclear fuel to last for thousands of years.

Renewable energy schemes other than naturally concentrated hydroelectric power are inherently inadequate. Geothermal energy is a valuable asset that may someday satisfy as much as 10% of our nation's energy needs, but strictly speaking geothermal is not a renewable energy source

because hot geothermal wells eventually run cold. The United States Government subsidizes wind power over 14 times as much as nuclear power, and over 93 times as much as the cleanest fossil fuel, natural gas.

Environmentalists are blocking natural gas production, geothermal power plants, nuclear reactor construction, and even some wind power projects because of the visual pollution created by legions of monster sized wind turbines despoiling the landscape. Obviously, the United States needs massive amounts of new energy to survive, so unless we adopt responsible energy policies that face facts honestly, the USA has no positive economic future. Trying to replace the highly concentrated energy of fossil fuels with the inherently weak energy of wind, solar, and biofuels will cripple our economy and cause massive starvation on a global scale.

For scientific details, see "The biofuel hoax is causing a world food crisis!" at:

<http://home.att.net/~meditation/bio-fuel-hoax.html>

Christopher Calder, Eugene, Oregon

Thanks to Mr. Calder for this insightful letter. I do hope that people will soon begin to figure out that we are being swindled by the Messiah before it is too late as he makes CHANGES WE CANNOT BELIEVE IN!

BROADCAST COVERAGE

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1. The Kudlow Report

DMA: N/A

CNBC (---) National

06/04/2009

07:00 PM - 08:00 PM

Available formats: QuickView, DVD, CD, digital link, videotape, transcript, NewsBoard

00:48:18 TZ; Oil: Goldman Sachs reports that the price per barrel of oil will be near 85 dollars by year end. Kudlow says we are giving power to OPEC. It is time to drill. The Obama Administration is opposed to all forms of drilling. SI; Daniel Weiss, Director of Climate Strategy Center For American Progress, says your facts are wrong. The Obama Administration is not opposed to those things. The new car standards will allow cars to go further on a gallon of gas. V; Oil wells, off shore oil rigs. SI; Myron Ebell, Competitive Enterprise Institute, says the Obama administration and the Democratic Congress have been backtracking last year's progress. Kudlow says Obama and House Speaker Nancy Pelosi say they are interested in T.Boone Pickens idea to get natural gas converted to liquid. SI; Ebell says President Obama wants energy prices to go up. GR; Retail Gasoline Price graph. 00:53:25

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2. Fox Business

DMA: N/A

Fox Business Network (---) National

06/04/2009

02:00 PM - 03:00 PM

[CC] 00:33:28 Liz: check it out. Preliminary close. up \$68. 68 for oil Trading at the NYNEX. It looks like what we have here is a moon shot to \$70 just as Boone Pickens said. David: yeah. Right, he did say that. Then we heard reports, of course, from Goldman Sachs saying that it would be \$85. That came today so take your pick. Liz: where will oil be in a month and then a year? JP Morgan Chase reportedly hiring a super tanker to store heating oil off the coast of Malta for nine months. They're doing that so they can possibly take advantage of future oil prices that they perceive would skyrocket. Vid: then I mentioned the \$85 bet that Goldman Sachs is making. It was Goldman Sachs a year ago said it would go to \$200 before it goes down. That was dead wrong. Take it with a grain of salt.... 00:34:54

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3. Good Day New York: First Edition

DMA: 1

WNYW-TV CH 5 (FOX) New York

Spot Cost: \$655

06/05/2009

06:00 AM - 07:00 AM

Est. Audience: 71,345

Available formats: QuickView, DVD, CD, digital link, videotape, transcript, NewsBoard

[CC] 00:17:04 ...And oil. Prices are now close to seven-month highs, many Americans are worried we will see a spike like the one last summer that drove oil close to 150 dollars a barrel . President Obama has been out spoken on need for alternative energy, but we met with Madeline Pickens, the wife of oil T.Boone Pickens. She says there is an obvious answer that the president is overlooking.” The president loves wind and solar. Hasn’t talked much about natural gas. It is a no brainer and I think he will come to the conclusion that that is important. That gives us a bridge for ten years because a battery car sounds great. Hydrogen car sounds great, but they cannot be here tomorrow. When you have natural gas up and down every street”....Boone Pickens has been very outspoken on the need for natural gas., to use natural gas as an alternative in the next 10 years ..He is heavily invested in natural gas.He is quite transparent on those thing. Madeline’s real passion is horses. She’s trying to save 33,000 horses out west ... 00:18:44

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4. Action 7 News

DMA: 145

KSWO-TV CH 7 (ABC) Wichita Falls/Lawton(OK), TX

Spot Cost: \$148

06/04/2009

06:00 PM - 07:00 PM

Est. Audience: 15,961

Available formats: QuickView, DVD, CD, digital link, videotape, transcript, NewsBoard

[CC] 00:27:49 Just ahead, billionaire T. Boone Pickens is trying to get Indian tribes on board his alternative energy bandwagon. 00:28:25

[CC] 00:32:31 Billionaire and hopeful alternative energy pioneer, T. Boone Pickens is reaching out to native Americans. The man who made his fortune on oil, appealed to a gathering of Oklahoma tribes asking them to support the construction of wind turbines, like these, on tribal lands. He's also asking them to support solar panels. Pickens has been on a crusade to ease America's dependence on foreign oil. His plan involves converting the country's electrical supply to alternative sources like wind and solar power and then freeing up natural gas to fuel vehicles. 00:34:34

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5. Action 7 News

DMA: 145

KSWO-TV CH 7 (ABC) Wichita Falls/Lawton(OK), TX

Spot Cost: \$167

06/04/2009

05:00 PM - 05:30 PM

Est. Audience: 13,387

Available formats: QuickView, DVD, CD, digital link, videotape, transcript, NewsBoard

[CC] 00:07:16 Billionaire and hopeful alternative energy pioneer, T. Boone Pickens, is reaching out to native Americans. The man who made his fortune on oil appealed to a gathering of Oklahoma tribes asking them to support the construction of wind turbines, like these, on tribal lands.

He's also asking them to support solar panels. Pickens has been on a crusade to ease America's dependence on foreign oil. His plan involves converting the country's electrical supply to alternative sources like wind and solar power and then freeing up natural gas to fuel vehicles.

00:09:05