

PickensPlan

T. Boone Pickens Media Coverage 6.13.09-6.15.09

Total of 20 Placements

- * Print: 8
- * Blog/Online: 6
- * Broadcast: 6

Coverage Summary:

Reuters wrote a brief on Pickens' appearance at the Time Warner Summit. Pickens said he expects crude and natural gas prices will continue to increase, which he said is necessary to make alternative energy more attractive.

The Wall Street Journal included Pickens in its special section on the environment. The piece features prominent people and organizations that have proposed energy plans and a list of key points, with readers being able to match the authors to the solutions.

During an online discussion of the auto industry on WashingtonPost.com, columnist Warren Brown answered a question about natural gas vehicles that was posed in response to Pickens' appearance on Mississippi Public Broadcasting.

The Oklahoman featured an interview with Pickens in which he discusses his connection to Oklahoma State and the students and his love of sports.

A discussion on Larry Kudlow's radio show on WABC-AM in New York revolved around Pickens and his idea to use natural gas as a fuel for 18 wheelers.

Highlighted Placements (Full Articles Below)

- * T. Boone Pickens Sees Oil, Nat Gas Prices Rising - Reuters - 6/15/09

- * Sounds Like a Plan: From Google to Gore, Proposals Abound for Saving Energy - Wall Street Journal - 6/15/09
- * Real Wheels - WashingtonPost.com - 6/12/09
- * Collected Wisdom: Boone Pickens - The Oklahoman - 6/14/09

Print Placements (Full Articles Below)

- * Can We Be Honest About Energy That Will Last? - North Star Writers Group - 6/15/09
- * From the Top - Elmira Star Gazette - 6/14/09
 - * Ithaca Journal
 - * Press & Sun-Bulletin
- * Looking Ahead - Calgary Herald - 6/14/09
 - * The Daily Oil Bulletin

Blog/Online Placements (Full Articles Below)

- * Natural Gas: The Next Big Thing - Seeking Alpha - 6/15/09
- * NIST Presently Setting Grid Connectivity Backbone - Pure Energy Systems News - 6/13/09
 - * Breakthrough Energy Examiner
- * Green Envy! Volkswagen Golf Plus, BiFuel Models Kept Overseas - The Car Connection - 6/12/09

HIGHLIGHTED COVERAGE

T. Boone Pickens Sees Oil, Nat Gas Prices Rising - Reuters - 6/15/09

By Pedro Nicolaci da Costa

Texas oil billionaire T. Boone Pickens on Monday said he was betting crude and natural gas prices will rise further.

"I'm long oil, I'm long natural gas," he said while speaking at a panel sponsored by Time Warner, adding prices for oil and natural gas would have to climb to make alternative energy attractive.

Pickens earlier this year said oil prices, which dipped below \$34 a barrel late last year, would hit \$75 a barrel in 2009. U.S. crude topped \$73 a barrel last week, the highest level since October, on expectations an economic recovery could stoke flagging oil demand.

After making a fortune investing in the oil sector, Pickens has announced plans to spend billions of dollars in wind power projects.

Sounds Like a Plan: From Google to Gore, Proposals Abound for Saving Energy - Wall Street Journal - 6/15/09

By Yuliya Chernova

Everyone, it seems, has a plan for how the U.S. can be less dependent on foreign oil and contribute less to global climate change. Oilman T. Boone Pickens has one, and so does search giant Google Inc. Proposals have come from a former vice president and the current president. But how to tell one green manifesto from another? Here is a list of energy-plan authors and some of the plans' key points. Can you match them? (Some proposals fit in more than one plan.) Answers below.

AUTHORS:

Google.

Al Gore. Former vice president of the U.S., co-founder and chairman of investment firm Generation Investment Management, author of books on global warming.

Amory Lovins. Co-founder, chairman and chief scientist of the energy policy nonprofit Rocky Mountain Institute, a MacArthur Fellow, author of numerous books.

President Barack Obama.

T. Boone Pickens. Texas oil and gas executive and an investor in Clean Energy, Seal Beach, Calif., which sells natural gas for transportation.

SOLUTIONS:

1. Cut the number of coal and natural-gas power plants to 20 by 2020 from more than 6,000 today.

2. Cover a quarter of home and commercial roofs in the U.S. with solar photovoltaic panels.

3. Create a new "Green Vet Initiative" to place veterans in green jobs.

4. Make every new car by 2012 be a flex-fuel vehicle, which means it can run on either gasoline or biofuel.

5. Stop using natural gas for power generating and use it to move trucks and other vehicles instead.

6. Reduce use of oil for cars by 44% and stop using coal and oil entirely by 2030, spending \$3.86 trillion on the effort.

7. Replace a quarter of oil use with domestic biofuels.
8. Generate 10% of our electricity from renewables by 2012, and 25% by 2025.
9. Create a \$1 billion award from the government for an advanced vehicle technology that gains market success.
10. Create "feebates," or consumer and manufacturer incentives for efficient vehicles, and cash incentives (or vouchers) for retiring old vehicles.
11. Install 80 gigawatts of offshore wind power.
12. Reduce payroll taxes sharply and make up the difference with CO2 taxes.
13. Create an "electranet," allowing individuals to sell electricity produced on their properties back to the grid and to use smart meters and other tools to manage their electricity usage.
14. Use energy-monitoring products that show consumers each of their appliances' electricity consumption.
15. Create a "Connie Mae," or Carbon Neutral Mortgage Association, to market new financial instruments for efficiency improvements in homes.
16. Have 90% of new-car sales in 2030 be plug-ins.
17. Have 20% to 30% of electricity needs generated by wind.
18. Increase current transmission lines by 10%.

19. Establish a Grid Modernization Commission to facilitate adoption of a national smart grid.

20. Generate 15% of electricity needs from geothermal power by 2030.

21. Have solar thermal as 13% of electricity generation and solar photovoltaics as 3%.

22. Weatherize one million homes a year.

23. Enter into public-private partnerships to develop five first-of-a-kind commercial scale coal-fired plants with carbon capture and sequestration.

24. Use well-established and profitable efficiency techniques to save half the projected 2025 use of natural gas.

ANSWER KEY:

1. Gore. 2. Google. 3. Obama. 4. Obama. 5. Pickens. 6. Google. 7. Lovins. 8. Obama. 9. Lovins. 10. Google and Lovins. 11. Google. 12. Gore. 13. Gore. 14. Google. 15. Gore. 16. Google. 17. Google (29% by 2030), Lovins (20% in 10 years) and Pickens (22% from wind and solar in 10 years). 18. Google, wants to add 20,000 miles of lines, equal to one-tenth of the current total. (Gore's proposal includes high-voltage lines combined with smart-grid integration.) 19. Obama. 20. Google, wants to add 80 gigawatts of geothermal. (Gore has it at 3% in 10 years.) 21. Gore. Google has it reversed, with proportionally more solar PV and less thermal, totaling 12% by 2030. 22. Obama. 23. Obama. 24. Lovins.

Real Wheels - WashingtonPost.com - 6/12/09

Washington Post cars columnist Warren Brown was online Friday, June 12, at 11 a.m. ET to discuss the auto industry and offer purchase advice to readers. Brown has covered the cars industry for The Washington Post since 1982.

Mobile, AL AWD: Warren, I listened to T. Boone Pickens on Mississippi Public Broadcasting this morning. He drives a Honda Civic GX. Have you had any experience with the Natural Gas vehicles? NG company add a pump in your garage. He said, GM makes over a dozen NG vehicles, none here, South America and Europe. He said he spends \$1 a gallon on NG.

Warren Brown: Yep.

Pickens has a point.

I've driven many CNG (compressed natural gas) models. They work just fine, but tend to have a shorter driving range than gasoline models. Honda sells its Civic natural gas model in tandem with a home-fill CNG station. Makes sense. And, yes, GM sells CNG models in places such as Brazil.

Collected Wisdom: Boone Pickens - The Oklahoman - 6/14/09

By Berry Tramel

Boone Pickens, who grew up in Holdenville and is a 1951 Oklahoma A&M graduate, has donated more than \$400 million to his alma mater, with the majority of that to athletics. He is a legendary Texas oil man, both wildcatting and acquiring oil

and gas companies. Pickens is fast friends with Oklahoma State athletic director Mike Holder and a big supporter of football coach Mike Gundy. OSU's football stadium now bears Pickens' name.

I feel so strongly about the state of Oklahoma. All we can do over there (in Stillwater), I want to do. I see most of the kids over there, I feel I can be an influence. They see I did well, they say hell, why not me?

Some are awed by me. I never will forget, two years ago, some big ol' kid came through the athletic department. Holder said, "This is Boone Pickens." The kid said, "Are you alive? Your name's on the stadium. I didn't know they put your name on the stadium unless you were dead." I said, "I came back." The kid said, "I can't believe this. I didn't know you were alive."

They see me in different ways. Most of 'em are from small towns. The student body, they relate to me. I've had enough appearances in front of 'em. They probably say, "He talks like my granddad."

If you'd ever talk to some who shook hands with me and talked for three or four minutes, I think they'd walk off and say I was a regular guy. I always want to come off as a guy like everybody else. I come from that background.

I never was a good pool player. My dad was a good pool player. I used to sleep on pool tables sometimes. Only place I had to sleep.

In high school, I loved the team relationship. We had one excellent player. But he wouldn't win by himself. We had to get him the ball. I run my operation the same way; we speak about team a lot.

I was good at all sports. I was a high school basketball player. I went to Texas A&M in 1947 on a basketball scholarship. I left because they cut me off the team. That could have been a big mistake by Texas A&M, saving that \$25 scholarship.

I'd like to tell you that I played quarterback at Oklahoma State with Barry Sanders, but that wouldn't be true. I tell people, you put a quarterback meter on

me, I'd score high, meaning I'd like to play quarterback. But I was too small, didn't have a good arm.

Sports are big in America. You look at the Final Four. Can't get a ticket. If you do, you pay a huge price for it. Which is good. It's your money. Do what you want with it. This is America.

It's just great excitement in team sports. Same in Europe. Soccer's big. People love the competition. People like to see the young people out there, knocking people out.

The thing that has been a surprise to me, this (new OSU era) has revitalized alums. They see it as an entirely different school than we had. With a leader like (Mike) Holder, we know we're not going to do some of the dumb stuff we did before.

They're proud of the program, proud of the school. They've given more money, which is good. There's no question, we have a different school. We've had gifts we had never seen before. They believe the program now is going to go great places. More and more are looking at it that way. We can get there.

We haven't had a tradition of winning for football. That tradition, it will carry you, especially in tight spots. We'll develop that, maybe sooner than later.

Gundy, no question we picked him green. But he learns. When he gets his fingers mashed in the doors, he remembers the doors. He's a very competitive guy. He's smart. He was a good leader for us. When we can, I like to use Oklahoma State people.

This (current success) is what I expected. I knew it wasn't going to be immediate. I think Gundy's done a good job. I told him, I don't want to lose any coaches off the staff, unless it's either by Gundy's determination or they went to a head job. That's been exactly what's happened.

No lateral moves anywhere. They came in for a cup of coffee (in the past). That doesn't happen anymore. When you've got that stability on the staff and people know we're going to have a good program, you can get things done.

We're not through with the (national economy) problems. I've been here before. You gotta keep plowing, get it done. We've got a pretty sick deal.

No question I'm put on hold, but the big stuff (at OSU) is done. Smaller things, I can help on some things. Let's just say, some things are postponed a little bit. I still think we'll get to where we want to be.

OSU booster

Age: 81

Hometown: Dallas

PRINT COVERAGE

Can We Be Honest About Energy That Will Last? - North Star Writers Group -
6/15/09

By Eric Baerren

Over the last several decades, the general assumption has been that enough oil could be found and produced to meet what was expected to be continuously growing demand. The relationship took on the sheen of the world's most obnoxious economic booster, flogging the idea of growth while angrily shouting down anyone who suggested that there are limits.

That has included shouting down the growing voice that warns we will get to where demand outstrips supply. No problem, the booster would tell you, because that would drive up prices which would then reduce demand to meet supply. If oil were not the blood of the globe's economy, that would be fine. But higher gas prices in the past have prompted recessions, and reduced demand and is a sign of an economy either stagnating or in recession. The price of oil, creeping up even as we speak, is beginning to cause worry that it might derail economic recovery.

The decline of American oil production is a reminder that even the world's blood has its limits. But there has always been another assumption - that there is enough supply to last for a long time. Just as conveniently as the supply-demand relationship suggests that demand for energy will never rise above supply, it has always been supposed that there is enough oil to last. How much? Who knows - but it's enough to last through the immediate future, which is all anyone really cares about.

The latest Energy Information Administration report suggests that peak oil, the end of cheap and reliable energy, may be a bit closer at hand than previously believed. The report scaled back expected production from previous reports, and in 2030, expects the output of conventional fuels to be about 93.1 million barrels a day. Although that's still higher than current production, it's 14.1 percent lower than what previous reports have predicted.

When you consider that demand for energy - especially for transportation - is generally expected to rise, a drop in projected production should raise eyebrows. Although the report corrects a supply-demand discrepancy by projecting declining demand, that is predicated on slowed growth in India and China (combined, those countries are soon expected to surpass the United States as the world's chief consumer of liquid energy). When those two countries recover from the global recession, which could happen this year or next, it could eventually prompt cut-throat energy competition.

As things currently stand, that means investing in unconventional fuels. These include things like biofuels, most of which aren't entirely ready for the marketplace, but also things like oil shale and the Canadian tar sands.

These come with very serious practical problems, like an ever-increasing input of energy to get the final energy product. Put short, it means squeezing blood from

stone. In the case of oil shale, it uses a great deal of water where water is already scarce.

The elephant in the room is environmental costs. Production of unconventional hydrocarbon fuel generates even more greenhouse gases than production of regular old petroleum. Why? You're using energy to create energy. Liquid fuel produced from coal, for instance, just about doubles carbon emissions. This is on top of physical damage to local environments.

Combined, these suggest urgency and foresight in efforts to wean American motorists off oil, either through higher fuel economy or by development of advanced batteries necessary to make the electric car practical for the marketplace. It also adds legitimacy to novel ideas like the Pickens Plan, which would substitute natural gas for petroleum in many of the nation's buses and trucks.

Will it work? If there is a concerted effort to shift, it's possible to avoid economic upheaval. It means being honest about the marketplace's tendency toward short-term gain rather than long-term sustainability, and permanently shelving the mindless boosterism. It also means being honest about the need for coherent, top-to-bottom energy policy, which is keenly within the purview of government.

From the Top - Elmira Star Gazette - 6/14/09

By Larry Wilson

When you pick up your mail, you probably find a normal assortment of bills and advertising circulars.

When Henry O. Dormann opens his mail, it's likely to contain letters from Vladimir Putin, Muhammad Ali, the Dalai Lama, Donald Trump or dozens of other world-renowned leaders.

Dormann, who has homes in New York City and near the Steuben County seat of Bath, has collected nearly 80 of those letters in his new book, "Letters from Leaders," subtitled "Personal Advice for Tomorrow's Leaders from the World's Most Influential People."

The 77-year-old Dormann, chairman and editor-in-chief of Leaders magazine, has spent the past 31 years interviewing leaders in all walks of life.

"All these people who are successful want to be remembered for having contributed something positive, and would like to be remembered kindly," Dormann said. "They want young people to understand why their terms of office were worthwhile."

He hopes the book will help those graduating from high school or college answer what he calls the most frustrating question facing young people: What am I going to be and how am I going to get there?

"It's intended to be a book for parents and grandparents to give young people as they graduate," Dormann said.

Dormann is best known in the Southern Tier for the donations he and his wife, Alice, have made to the public library in Bath that bears their names. They made an initial \$500,000 contribution nearly a decade ago to help build the library and recently gave another \$400,000 for an expansion project.

In addition to Leaders magazine, which has an exclusive clientele of CEOs, kings and queens, high government officials and religious leaders, Dormann has other publishing ventures.

For example, he is chairman of the board of The National Enquirer, and is credited with the idea to sell the tabloid newspaper in supermarkets.

To compile "Letters from Leaders," Dormann solicited advice for young people from friends and acquaintances around the world over a period of several years.

The book opens with a letter personally dictated and painstakingly signed by former world heavyweight boxing champion Muhammad Ali, who suffers from Parkinson's syndrome.

"For me, doing 'what is right' is everything," Ali wrote.

Putin, the former Russian president and current prime minister, offers what he calls an old, time-tested recipe for success: "Our ancestors came up with it hundreds of years ago: Diligence is the mother of success. I am sure that remains relevant today."

Dormann said that in his personal contacts with Putin, he found him "completely charming with a wonderful sense of humor."

Dormann won't single out any one letter as his favorite.

"I treasure all the letters because they bring back memories of the people, such as the Dalai Lama, who came up and had lunch with me in my (New York) office," Dormann said.

Along the way, Dormann has picked up little-known facts about some of the letter-writers, including King Bhumibol Adulyadej, the king of Thailand and the longest-reigning monarch in the world.

"He was born in Boston, plays the saxophone and is a ham radio enthusiast," Dormann said. "He speaks perfect English, so no one on the radio knows who he is."

One area resident, Corning Inc. executive and former Steuben Glass President E. Marie McKee, is represented by a letter in Dormann's new book.

McKee recommends that young people expose themselves to new ideas, new people and new challenges.

"As difficulties arise, be assured that as long as you try your best - truly your best - it is all that is or can be expected of you. I am a believer in the idea that when a door closes, another opens."

Some of the others who wrote letters for the project include oilman T. Boone Pickens, journalist Walter Cronkite, four former U.S. presidents, former German Chancellor Gerhard Schroder, former General Electric CEO Jack Welch and Shelly Lazarus, chairman and former CEO, Ogilvy & Mather Worldwide.

Many of his correspondents have spent decades building their successful careers.

"It takes 20 years to gain a reputation and 20 minutes to lose it," said Dormann, whose neighbor in New York City is former Gov. Eliot Spitzer.

Proceeds from the sale of Dormann's book, which have already topped six figures, will go to the Young Peoples Leadership Foundation. Dormann established the charity to provide scholarships to outstanding young people who can't afford college and can't qualify for other scholarships.

For Dormann, who grew up during the Depression, it's a way to help those who face problems he overcame.

"I never went to college," he said. "I couldn't go to college because we didn't have any money and I couldn't get a scholarship because I nearly failed math and English in high school."

From his decades of contact with influential people, Dormann has developed a theory about leadership.

"I think the (leadership) personality is innate," he said. "But how to turn that personality into something successful can be learned. You want to get a job, you

want to be interviewed by someone who is going to hire you, you need to develop a certain amount of charm and go in dressed for the job you want. Thinking of these things is innate. Doing them right can be learned."

His goal for the book?

"I hope that it will help young people find ways to a path to happiness," Dormann said.

Additional Facts

About the author

* Name: Henry O. Dormann

* Age: 77

* Home: New York City and Bath, Steuben County

* Occupation: Chairman and editor-in-chief, Leaders magazine
(www.leadersmag.com)

* Other roles and accomplishments: Founder and first executive director of the Center for the Study of the Presidency; president of United States Technical Developments Co.; chairman of the board of The National Enquirer; editor of "The Speaker's Book of Quotations"

* New book: "Letters from Leaders," published by Globe Pequot Press. Suggested retail price of \$24.95, but available at discounted prices at bookstores and online.

Looking Ahead - Calgary Herald - 6/14/09

Oil Legend Speaks In City

Legendary Oilman T. Boone Pickens is in Calgary on Wednesday to share his wisdom at a sold-out "intimate conversation" hosted by the Calgary chamber of commerce at the Westin Hotel Downtown.

BLOG/ONLINE COVERAGE

Natural Gas: The Next Big Thing - Seeking Alpha - 6/15/09

By Brian McMorris

Why is Natural Gas so cheap (3.87 per mmBTU as of Friday) while Oil is moving ever higher? This is a significant disconnect that does not make long term sense. Historically, the average ratio between West Texas crude and Henry Hub natural gas has been 8.5 to 1. Currently, it is at a historic ratio of 19:1.

With oil at \$72 per barrel, natural gas should be around \$8.47. That represents a 125% potential pop in the price of natural gas if the price of oil stays constant. Many experts believe that oil is fairly priced right now, given the costs of exploration and extraction.

UNG is the easiest pure play on the price of natural gas. This ETF is based on natural gas futures and moves directly with that price. UNG trades for \$14.50 as of today, but would be over \$30 if natural gas normalized its pricing against oil. So, just on current relative value, natural gas is a value play with great

upside potential in the intermediate term (12 months). But it is an even better play in the longer term (1-5 years).

President Obama and the Democrat controlled Congress will definitely pass some type of environmental legislation this year or early next. That legislation is aimed directly against carbon and its role in global warming (or the theory thereof, since it is not conclusively proven). In the next several months, either a "Cap and Trade" or a straight up carbon tax will be passed. The moderates in Congress and most of the heavy industrial world, faced with the reality of some type of legislation, are rallying behind a carbon tax for its simplicity and for the fact that the cost can be passed along to the consumer much more efficiently and without the distortion and potential fraud of cap and trade.

For natural gas, either scenario is very attractive. Natural gas per BTU of energy, is much cleaner than oil or coal, the two primary fossil fuel alternatives. So, if a carbon tax is passed by legislation this year, natural gas will immediately become more competitive. Its historical relationship to oil should decline even below 8.5. If it moves to 7.0, then the relative cost today should be \$10 per mMBTU for natural gas.

Longer term, with or without a tax advantage over oil, natural gas promises to be used as a transitional fuel to alternative energies like solar, wind and geothermal. T Boone Pickens has proposed, and spent a considerable portion of his wealth, promoting the idea of natural gas powered vehicles. Once fuel cell powered vehicles become practical, within 10 years with government encouragement / subsidy, natural gas is likely to be the first fuel used by such vehicles. This reality will be encouraged if Pickens is successful in getting existing fuel stations in North America to add natural gas to their product offering at the pump.

Pure hydrogen vehicles are a better environmental option, since the byproduct of the chemical reaction is pure water. But the manufacture, storage and distribution of highly combustible hydrogen has many science, engineering and production problems yet to be solved.

So, how can we benefit from this megatrend?

The Canadian Canroys are one good way to anticipate this new trend. Much of North American natural gas is in the western provinces of Canada. I have owned and

benefited from Pennwest (PWE), Pengrowth (PGH), Provident (PVX), Daylight (DAYYF.PK), Baytex and Harvest Energy for many years (until last July when the entire commodity complex hit the skids). U.S. based producers include Anadarko (APC), Chesapeake (CHK), XTO, Southwest Energy (SWN) and Lynn Energy. All the above offer decent dividends, though not nearly as attractive as a year ago, so there is somewhat less reason to buy and hold as there was in the past.

For extra leverage, sell "In the Money" UNG put options on the October \$18 strike price (UNEVR) for around \$4.50 premium per share of underlying stock (with the stock price at \$14.50 as of today). This buys \$1 of downside protection and provides over \$3 of upside opportunity. If the price finishes above \$18 on October 16, the puts will expire worthless and you will keep the \$4.50 premium. The stock price of the UNG ETF will only need to move to about \$5.00 from the current \$4.00 for this to happen. But execute a "Buy to Close" order any where along the way, for example, when the premium falls to \$2 for a double on your investment (times 5 for the inherent leverage of options) to lock in profits. This gives a 500% return in less than six months.

Because the market, especially commodity stocks, looks ready to correct, it may be prudent and profitable to wait on this until after a market correction. I am looking for a move back down to S&P 500 of 875 in the next couple of weeks. Once that move is done, it may be possible to sell the same puts for \$5.50 (with the underlying UNG at \$13).

Have fun making money.

NIST Presently Setting Grid Connectivity Backbone - Pure Energy Systems News -
6/13/09

By Paul Noel

Right now at this very instant of time and for a very short period of time in the near future the standards for the transmission, formats and processes for all of the data handled in the Smart Grid are being written. Everything that proceeds

for decades after this time will hinge on what we do in the next approximately 25 days.

I was just at Connectivity Week in Santa Clara, Ca. This was a very high profile conference of Industry, Government and Utility interests who are setting up the smart grid.

I need to give you a very strong heads up warning for everyone in the USA and for that matter around the world regards the status and developments here. There are very serious matters going down and they need our instant and very smartest and most determined responses and we must get onto this immediately.

I heard it once said that if a congressman chose to write law he might never get anything he wanted done, but if he wrote the rules for the meetings in the congress he would control everything. Right now at this very instant of time and for a very short period of time in the near future the standards for the transmission, formats and processes for all of the data handled in the Smart Grid are being written. Everything that proceeds for decades after this time will hinge on what we do in the next approximately 25 days. Time is of the essence and people must get up to speed on this matter. The critical entity controlling this will be the NIST. Their email is smartgridcomments@nist.gov. Educate yourself as much on this matter as you can before you comment.

The NIST is a standards organization. They are not particularly interested in policy but what they do will form the basis for how all policy is managed and graded by the public and regulatory agents. We must watch and direct their methodology in a cooperative and contributory fashion. It is not wise for the people of the USA to ignore the seriousness of what is going down here. It would also be unwise to be hostile.

Essentially here is what we must do in directing NIST standards. The standards must be written to require that data be transmitted with proper connection to reality including the true functional response to the status of the grid and that the formats provide audit trails for confirmation of this. We must drive home that any energy market data be open standards and always carry a firm attachment to the reality that drove the market and not just consumer demand. This is particularly important as energy markets as Enron ran milked the rate payers and utilities of California for \$58 Billion for no real benefit. We must drive home that energy markets not be constructed that are methods to sell rather methods to trade. This means that the rate payers should pay a flat rate per KWH as a whole that is regulated. That energy markets should be a trading between users of the grid such that any gains from On Demand Peak buys should offset the costs of off

peak power prices. In such a system the standards for data should include a matrix for such trades to be done. If the market is constructed where the Utility Generator or distributor profits from Peak market sale prices and no pro-rata decrease in rates happens it will be Enron time's 50 states.

Our foreign rate payers should take severe interest here as well. The USA is writing the standards by which their business even in countries like China will be run. This is a world wide concern. All parties need to take seriously the issues here. If this is not done correctly, it will collapse the world economy worse than anything we have seen so far.

The NIST standards will be the metric and backbone for the entire system of Smart Grid technology. As I said they are NOT a policy agency. They are guiding how data bases and such are built. They are guiding how encryption and such is implemented.

In the matter of encryption, every party on earth should understand that if the encryption and fire wall standards are not done correctly, a simple hacker could take down whole nations once this is implemented. We need all good technical skill brought to bear here. Anyone interested should help. NOW is the time to talk. July 6, 2009 the comment period is going to be over. MOVE NOW! MOVE QUICKLY! MOVE SMART! This will be the most critical decision set done in the USA in the past 100 years or more. It is far more important than World War II or any other event. It is going to go down quietly and without normal citizen input unless you speak up now! The people who are running the driving force here are not all good players. NIST however is not the enemy. They should not be treated as such. They are good, kind and concerned people. We need to make them aware of the common interest.

Please focus on demands for open data handling and open data structures with audit trails. Please focus on the demand this not be done behind closed doors and that structures be built to respect our public interest and that this be built to support and encourage the entry of small business into the field. Otherwise this will be the biggest money grab and job destruction engine ever built. Please understand this is technical data specifications and not policy decisions. These specifications do form the matrix of support under all regulation and management of the power grids.

Now for some fun facts for people that were at Connectivity Week.

The power grids of the USA and for that matter it appears pretty much world wide waste 65% of all thermal generation capability due to peak load mismatch and poor demand load matching. (This isn't the 65% that is lost due to thermal efficiency

issues) This means that we have more than enough power to drive all of our cars and to do much more without adding a single KWH of generation to the system. The need for building a system that makes use of this "Low Hanging Fruit" is very much essential.

The switching of our loads to off peak times requires storage of energy. The public utilities are setting up for major commercial buildings in many locations to store on the roof ice for AC load balancing. This is buying energy off peak and using it on peak.

There is developing in many areas the potential for a very wise and smart management of electrical use including allowing you to set your home devices to buy power for your use at off peak times and to charge up electric cars similarly. These methods and devices represent massive energy savings to us all when applied.

There is developing wireless technology under the ZigBee standards which are in their infancy the ability for Home Area Networks allowing you to manage and know moment by moment your use. (This is also a NIST area of concern)

The processes for matching up your interests with the common interests of the generation grid are the whole issue of the system.

It is very likely that soon you will be able to set your clothes dryer to buy power when the price goes down late at night. Car charges are being set up this way already.

Smart meters are starting their roll out in the next few weeks in California and some other locations around the USA. A few locations already have them. Inside of a few years every location in the USA will have these smart meters.

We most definitely need a national backbone of high voltage energy transmission. The local grids are not connected well.

On the way to and from Connectivity Week I got to see from the airplane T Boone Pickens wind farm in West Texas. It is impressive already and clearly can be seen even from 32,000 Feet. (Assuming your eyes work good). I could see the big blades turning. I have seen the parts going down the interstate highway in Texas a few weeks back as well. These are really big machines.

Green Envy! Volkswagen Golf Plus, BiFuel Models Kept Overseas - The Car Connection - 6/12/09

By Bengt Halvorson

Volkswagen has announced that its new Golf Plus BiFuel model is now available for order...in Europe. Running on LPG (liquified petroleum gas, or propane as we call it), the Golf Plus BiFuel reduces carbon dioxide emissions by about ten percent while—in Germany, where fuel costs are much higher—saving 6.10 euros per 100 kilometers (nearly 14 cents per mile) compared to gasoline.

As in most bi-fuel vehicles, the system employs two different tanks, with the ability to switch back and forth between LPG and gasoline with a toggle switch. It comes with a 55-liter (14.5-gallon) gasoline tank and a 43-liter (11.4-gallon) LPG tank built into the spare-tire well. Range has been an issue with some previous propane and natural-gas vehicles, but the Golf Plus BiFuel can go more than 270 miles, and together the two tanks have a range of about 680 miles.

The 97-horsepower, 1.6-liter four-cylinder engine in the Golf Plus BiFuel likely won't move this hatchback quickly, but it gets about 31 mpg on gasoline, or 24 mpg on natural gas. The Golf Plus BiFuel isn't cheap; it starts at 22,460 euros—the current equivalent of about \$31,500 U.S. dollars.

But to budget-conscious European drivers, the economics of it make more sense. Gasoline currently costs about \$5.12 per gallon in Germany, according to gasoline-germany.com, while LPG costs about \$3.29. In the U.S., gas prices averaged \$2.62 for the week ending June 8, while LPG sells in the \$1.50 to \$2.00 range.

While aftermarket conversions for LPG have been popular in some regions of the U.S. for fleets of full-size pickups in particular, they've never caught on as a new-vehicle option. Just over the past year, T. Boone Pickens' so-called Pickens Plan for energy independence has thrown propane back into the spotlight.

Honda has offered a CNG (compressed natural gas) option for its Civic now for several years, available in the 2009 Honda Civic GX.

A BiFuel variant of the regular Golf is already available in Europe. The Golf Plus body style brings a taller roofline for more interior space. Although there are still no plans to bring the Plus to the U.S. in the next two years, a Volkswagen of America spokesman said that the company might reevaluate this decision in light of the new 2016 fuel-economy standards.

BROADCAST COVERAGE

1. Larry Kudlow

DMA: 1

WABC-AM 770 (ABC/AP) New York

Spot Cost: \$2,357

06/13/2009

11:00 AM - 12:00 PM

Est. Audience: 336,100

00:44:00 (Ron is on the phone discussing nuclear power with Larry)...if the demand for oil comes down, the price comes down .. if we can substitute, and this so important to us, if we can substitute for example liquid natural gas ... My friend Boone Pickens , the Texas oil man has been on this kick and Boone is absolutely right ... we have the technology and processes .. to turn natural gas into liquid and to use it as a fuel...for the 18 wheelers...this is a great promising technology we should be developing... 00:45:59

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2. Afternoon News

DMA: 5

KRLD-AM 1080 (CBS) Dallas/Fort Worth

Spot Cost: \$118

06/12/2009

06:00 PM - 07:00 PM

Est. Audience: 14,100

00:24:00 It was just a couple of months ago that we talked with Boone Pickens...he told us that oil was going to go to 75 this year -it looked unrealistic...now it has gone to 73 ...you will see 75 long before the end of the year...I think you will be at 150 before 2 years.....you have just come back from another trip Washington..these higher oil prices must make the Pickens Plan more attractive to some of those folks up there...it truly is a grass roots movement now..... 00:25:59

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3. Morning News

DMA: 5

KRLD-AM 1080 (CBS) Dallas/Fort Worth

Spot Cost: \$180

06/12/2009

09:00 AM - 10:00 AM

Est. Audience: 23,200

00:32:00 Earlier this year Boone Pickens predicted oil would reach 75 bucks a barrel again ...yesterday it hit seventy three ...his latest prediction ? Hear it tonight when David Johnson speaks with Boone Pickens on the CEO spotlight tonight
00:33:59

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4. KCBS News

DMA: 6

KCBS-AM 740 (CBS) San Francisco

Spot Cost: \$137

06/13/2009

09:00 PM - 10:00 PM

Est. Audience: 25,000

00:36:00 ... it's a win win ... it's good for the environment ... it's great for the economy. The new study though, the first of its kind suggests that those estimates could be based on more wind than we now actually have ... The study's co-author Professor Eugene Totley of Iowa State University says the ten percent diminishing winds over the last decade is a very large effect . The billionaire Texas based oilman T Boone Pickens whose plan is to build thousands of wind turbines across the plains, spoke with Katie Couric last summer . "Why wind power . Why are you focused on that ? "Wind is a huge resource for America ... and it's in the very perfect place in our country , in the flat plains from Texas to Canada , you are going to use the wind for power generation and that's going to free up natural gas "... Other studies have found winds diminishing in Europe and Australia but some scientists insist that there's been no definitive slowing of wind speeds at all . 00:37:59

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5. Good Morning San Diego Early Edition

DMA: 28

KUSI-TV CH 51 (IND) San Diego

Spot Cost: \$172

06/12/2009

06:00 AM - 07:00 AM

Est. Audience: 13,753

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

00:35:40 Wind Power: SDG&E is building California's 2nd largest wind power project. V; Windmills in Kearny Mesa. I; Brian Brokowski, Spokesman SDG&E, talks about the new wind farm. AB; T. Boone Pickens is tipping his hat; most of our energy today comes from natural gas.
00:37:49

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6. WLOX News 10:00PM

DMA: 163

WLOX-TV CH 13 (ABC) Biloxi/Gulfport/Pascagoula

Spot Cost: \$1,252

06/14/2009

10:00 PM - 11:00 PM

Est. Audience: 35,863

Available formats: QuickView, transcript

[CC] 00:16:28 . Later tonight an energy summit brought Governor Barbour and oilman T. Boone Pickens to south Mississippi . Tonight, hear some possible solutions to America's energy crisis. 00:17:44

[CC] 00:42:01 We will also attempt to build new nuclear capacity. Ratcliffe said the most abundant domestic resource, coal, will also continue as a significant portion of the energy equation. Ratcliffe: we as a nation can build new coal technology with a cleaner footprint. We've reduced emissions of sulphur dioxide from our facilities by 75 percent, probably go to 80 or 85 percent by the time we finish the current program of retro fits for environmental technology. I'm T. Boone Pickens. I've been an oil man all my life. But t this is one emergency we can't drill our way out of. And I have a plan. The man with the plan was the keynote conference speaker, preaching

his message of weaning the U.S. from foreign oil. T. Boone Pickens: I never liked importing oil from somebody that I didn't think liked me. I just, I don't do business with people that hate me. And I don't have much use for them. I mean, somehow it doesn't come together for me. Pickens told the luncheon crowd he fears our nation's foreign oil addiction is a grave security concern. Pickens : here, we're in a very, very vulnerable spot. Because out of the 85 million barrels that's produced every day in the world, we use 21 million barrels. Twenty five percent of it we use, with four percent of the population and only three percent of the reserves. Pickens says the American people are coming to appreciate and embrace his "Pickens Plan" for energy independence. Pickens : the American people understand. I think they finally understand energy is a security issue. And the dependency is a cause and they want it fixed. At the closing news conference, governor barbour reiterated his concerns about raising the cost of energy production barbour: steel making is an energy intensive industry. And if we drive steel making overseas, because we made the cost of energy here so high that they can't compete, it was interesting what he said. You go to China and to produce a ton of steel they have five times more greenhouse gas emissions than we do in the United States. So, in the name of helping the environment, you'll have more greenhouse gas emissions, fewer American jobs and a lower standard of living in the United States. That's not the outcome I'm looking for. In Biloxi, Steve Phillips, Wlox News. T . Boone pickens continues to market his national energy plan. He's planning another round of television commercials to promote his ideas. The outspoken texan has already spent some 60 million dollars on his "Pickens Plan". 00:45:17

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