

Re: New Plug-in Electric Car Company

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2008-09/msg01049.html>

- *From:* Kris Krieger <me@xxxxxxxxxx>
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Dirk Bruere at NeoPax <dirk.bruere@xxxxxxxxxx> wrote in
<news:6ila87Fr7dkrU4@xxxxxxxxxxxxxxxxxxxxxx>:

Eeyore wrote:

Kris Krieger wrote:

the US has a lot of natural gas, which can be used
to generate electricity

Which will offer ZERO CO2 emissions benefit.

Rather than me just speculating, I did a search:

<https://shop.sae.org/technical/papers/970743>

QUOTED MATERIAL: "The main conclusions from this work are that: fuel type and equivalence ratio have major influences on both total hydrocarbon and methane emissions; spark timing affects total hydrocarbon and methane emissions significantly; increasing engine speed decreases total hydrocarbon emissions for both fuels; during cold start and warm-up operations, gasoline emitted a much higher excess of total hydrocarbons at first start compared with natural gas; and exhaust gas recirculation gave lower oxides of nitrogen emissions for natural gas than for gasoline fuelling."

http://www.eere.energy.gov/afdc/vehicles/natural_gas_emissions.html

QUOTED MATERIAL: "The U.S. Environmental Protection Agency calculated the potential benefits of CNG versus gasoline based on the inherently cleaner-burning characteristics of natural gas, summarized in Clean Alternative Fuels: Compressed Natural Gas (PDF 76 KB). Download Adobe Reader.

Reduce carbon monoxide emissions 90%–97%

Reduce carbon dioxide emissions 25%

Reduce nitrogen oxide emissions 35%–60%

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Potentially reduce non-methane hydrocarbon emissions 50%–75%
Emit fewer toxic and carcinogenic pollutants
Emit little or no particulate matter
Eliminate evaporative emissions "

[http://74.125.95.104/search?](http://74.125.95.104/search?q=cache:QP5PFW8hoGoJ:www.ucsusa.org/clean_vehicles/big_rig_cleanup/natural-gas-vehicles.html+emissions+comparison+natural-gas+gasoline&hl=en&ct=clnk&cd=7&gl=us)

[q=cache:QP5PFW8hoGoJ:www.ucsusa.org/clean_vehicles/big_rig_cleanup/natural-gas-vehicles.html+emissions+comparison+natural-gas+gasoline&hl=en&ct=clnk&cd=7&gl=us](http://74.125.95.104/search?q=cache:QP5PFW8hoGoJ:www.ucsusa.org/clean_vehicles/big_rig_cleanup/natural-gas-vehicles.html+emissions+comparison+natural-gas+gasoline&hl=en&ct=clnk&cd=7&gl=us)

Here is the Google search line I used:

<http://www.google.com/search?hl=en&q=emissions+comparison+natural-gas+gasoline>

is solar panel production is done on a larger scale, those will become cheaper.

Bwahahahahhaahaaaaa ! Do you think they only just invented them ? And it IS done on a large scale !

Not yet, it isn't. What will lower prices most significantly is increasing conversion of gov.t buildings. Although conversions being done by corporations such as WalMart will also be an important factor.

Interestingly, I've not seen discussion of the effect of the rooftop shade offered by solar panels.

Also, given that the power utilities do buy back power, that would contribute to the long-term savings offered by solar.

And before denegrating *every* non-petroleum energy source, how about offering a solution to a finite resource (other than that you believe you'll croak off before it runs out)?

It's real easy to sit on one's ass, say "that's stupid", and merely contribute to the problem – what's hard is getting off one's ass and taking some sort of action that's actually constructive.

PV solar is INSANELY expensive by design.

By design, or by circumstance or necessity...?

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Only Nanosolar are claiming to offer anything better but they won't release data. Smells of something nasty to me.

It's called "proprietary info", and it's common for companies in all sectors to not release their trade secrets. What will need to be seen is what results are shown from tests.

Nanosolar have just had a \$300m injection of capital to boost their production capacity.

Yes, despite the naysayers and those who are addicted to the status quo, at least some people **are** doing research and testing ideas.

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