Any Questions About the Substance...?

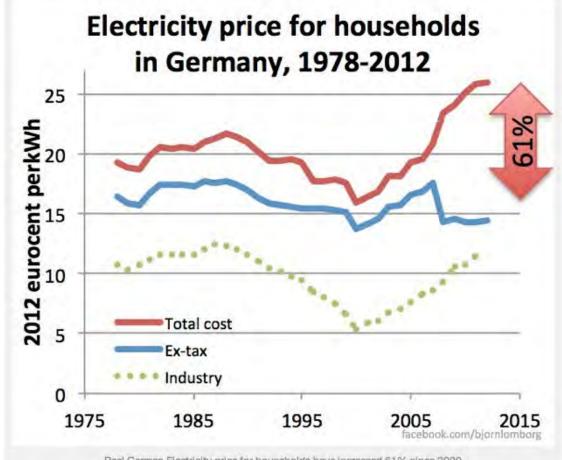
"An ad hominem argument, also known as argumentum ad hominem (Latin: "argument to the man", "argument against the man") consists of replying to an argument or factual claim by attacking or appealing to a characteristic or belief of the person making the argument or claim, rather than by addressing the substance of the argument or producing evidence against the claim. The process of proving or disproving the claim is thereby subverted, and the argumentum ad hominem works to change the subject."

GOVERNMENT INVENTED FRACKING!

rfactual

- Transparent rhetorical effort to coattail on a success it's trying to curtail
- Remarka
 Last year, the administration began touting its early investments in hydraulic fracturing -- or fracking -- technology, which has helped drive a natural gas boom in the United States, as justification for current investments in new clean energy technologies (*<u>E&E Daily</u>*, Feb. 14, 2011). And that approach went primetime this year when Obama made a direct link between the two in his State of the Union address.
 - Directional drilling in 1920s. Hydraulic fracking in 1940s.
- Analyses "By the way, it was public research dollars, over the course of 30 years, that helped develop the technologies to extract all this natural gas out of shale rock -- reminding us that government support is critical in helping businesses get new energy ideas off the ground," Obama said
- There is a world of difference between taxpayer-funded research having contributed to advances, and the notion that government can interdict in energy markets to bring about positive economic outcomes.
- Probably advanced matters a few years. But citing the former as somehow justifying the latter is implausible and reflective of how bad the case is.

Data from OECD (prices <u>http://bit.ly/10IXX5J</u>, with 2012 estimated from first two quarters from IEA, and adjusted with German Consumer Price Index (MEI), <u>http://bit.ly/UkWaj7</u>)



Real German Electricity price for households have increased 61% since 2000

Real German electricity prices for households have increased 61% since 2000. One quarter of household costs now stems directly from renewable energy.

Debt Lasts

Spaniards are still on the hook for hiding the cost of 'green energy' from the ratepayer, having to pay down this debt, which became so staggering it threatened to break the state's bank on its own. Using Eurostat figures, indicates that to pay it off now would require 11% of Spain's Gross Domestic Product.

RESEARCH The European Experience



March 2009 Study of the effects on employment of public THE CASE OF D aid to renewable energy sources ENERGIES: THE GERMAN EXPERIENCE Research director: Gabriel Calzada Álvarez PhD. URJC researchers: Raquel Merino Jara Juan Ramón Rallo Julián Technical Consultant: THE EFFECTS ON EMPLOYMENT OF José Ignacio García Bielsa PUBLIC AID TO RENEWABLE ENERGY SOURCES Universidad **Rey Juan Carlos** IZR INSTITUTE HOA ENERGY RESEARCH

Scotland

• "The report" created in t jobs are los benefit frc sector, an

-- Richard M Economic Ir the UK (Ki

Worth The Candle? The Economic Impact of Renewable Energy Policy March 2011 Executive Summary Verso Economics Richard Marsh & Tom Miers

e Candle? Anewable Energy Policy Kenewable Energy Policy

Italy

• "[T]he job in t invest gener subsi the res^r tak all ir

(

reates one Are Green Jobs Real Jobs? 4.8 if **e** value, [/]ould cibly Ь ecially ιt Istituto Bruno Leoni May 2010 Luciano Lavecchia Carlo Stagnaro obs Real Jobs? The 2010)



"We embarked on a big transition to a low-carbon economy without taking into account the cost and without factoring in the competitive impact," says Fabien Roques, head of European power and carbon at the energy consulting firm IHS CERA in Paris. "I think there will be a critical review of some of these policies in the next few years."

- It isn't because warnings weren't given
- It's that they weren't heeded
- Caution was politically incorrect
- No excuse for still following them
- Esp. after claiming "look to Europe"...

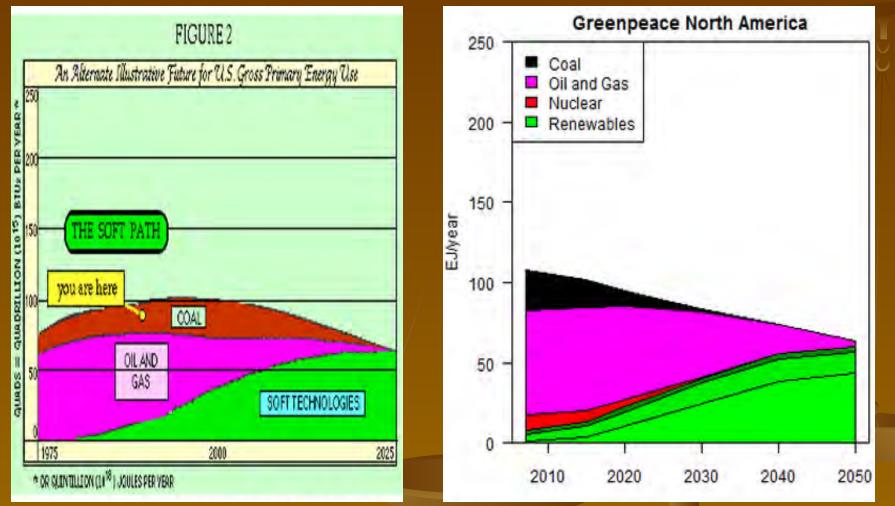
THE WALL STREET JOURNAL, Tuesday, Aug. 22, 1978

Solar Power Seen Meeting 20% of Needs By 2000; Carter May Seek Outlay Boost

By WALTER S. MOSSBERG Staff Reporter of THE WALL STREET JOURNAL WASHINGTON-Federal planners have concluded that solar energy can contribute as much as 20% of U.S. energy needs by the

that a second, smaller review group be named to tailor policy options to a specific goal, preferably the environmental council's projection of a 25% solar share of U.S. energy by 2000.

News flash from 1891...1976... 2011: Renewables just 20 years away!



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In July 1887, a Scottish academic, Professor James Blyth, undertook wind power experiments that culminated in a UK patent in 1891.^[17] In the US, Charles F. Brush produced electricity using a wind powered machine, starting in the winter of 1887-1888, which powered his home and laboratory until about 1900. In the 1890s, the Danish scientist and inventor Poul la Cour constructed wind turbines to generate electricity, which was then used to produce hydrogen.^[17] These were the first of what was to become the modern form of wind turbine.





The first automatically operated wind turbine, built in Cleveland in 1887 by Charles F. Brush. It was 60 feet (18 m) tall, weighed

4 tons (3.6 metric tonnes) and powered a has been rendered in layers, so certain pages may not be readable in the P55file.



Article Discussion

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Solar power

5.

From Wikipedia, the free encyclopedia

This article is about generation of electricity using solar energy. For other uses of solar energy, see Solar energy.

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Photovoltaics

im

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or indirectly using concentrated solar power (CSP). Concentrated solar power systems use lenses or mirrors and tracking systems to focus a large area of sunlight into a small beam. Photovoltaics convert light into electric current using the photoelectric effect.^[1]

Solar power is the conversion of sunlight into electricity, either directly using photovoltaics (PV),



A solar cell, or photovoltaic cell (PV), is a device that converts light into electric current using the photoelectric effect. The first solar cell was constructed by Charles Fritts in the 1880s.[12] In 1931 a German engineer, Dr Bruno Lange, developed a photo cell using silver selenide in place of

CO Development and deployment int

Main article: Deployment of solar power to energy grids

The early development of solar technologies starting in the 1860s was driven by an expectation that coal would soon become scarce. However, development of solar technologies stagnated in the early 20th century in the face of the increasing availability, economy, and utility of coal and petroleum.^[19] In 1974 it was estimated that only six private homes in all of North America were entirely heated or cooled by functional solar power systems.^[20] The 1973 oil embargo and 1979 energy crisis caused a reorganization of energy policies around the world and brought renewed attention to developing solar technologies.^{[21][22]} Deployment strategies focused on incentive programs such as the Federal Photovoltaic Utilization Program in the US and the Sunshine Program in Japan. Other efforts included the formation of research facilities in the US (SERI, now NREL), Japan (NEDO), and Germany (Fraunhofer Institute for Solar Energy Systems ISE).[23]

Nellis Solar Power Plant, 14 MW power This PDE was created from a Keynote file that contains animated pages. Content on the animated pages has been rendered in layers, so certain pages may not be readable in the PDE file.



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Wind turbines would

"Er, it's fuel prices! That's it ... "

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19 October 2011 Last updated at 07:21 ET

Andrew Neil Presenter The Bal More from Andrew Energy market and the by Andrew Neil

Energy Secretary Chris Huhne says that our fuel bills wouldn't rise so much if we could wean ourselves off ever-rising fossil fuels.

The big power companies say they've had to hike our gas and electricity bills because of rising global energy prices. I've been looking at energy prices and I'm not sure the picture is quite as they say.

Broadly, wholesale gas and electricity prices have moved in tandem. The wholesale price

(what the energy companies pay) of both shot up in 2008 to a new peak.

Wholesale prices started rising again through 2010 and into 2011. But only modestly. Today they are still well below their 2008 peak.

But retail prices have risen again and are now above their 2008 peak. Despite lower wholesale prices compared with three years ago our fuel bills are higher than three years ago.

So, contrary to the Energy Secretary's position, higher fossil fuel prices cannot explain our current very high energy bills. And, contrary to the energy companies, they are not merely passing on the extra wholesale costs of energy.

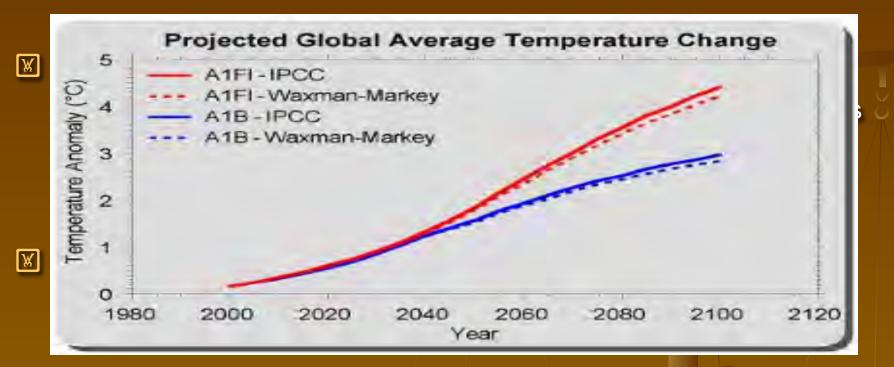
Two further thoughts. It is clear that the energy market is not functioning like a proper competitive market, otherwise retail prices would not just go up in line with wholesale prices but come down too.

And maybe the Huhne green agenda, involving huge subsidies to wind generation, which end up on all our fuel bills, is much larger than we've been told.



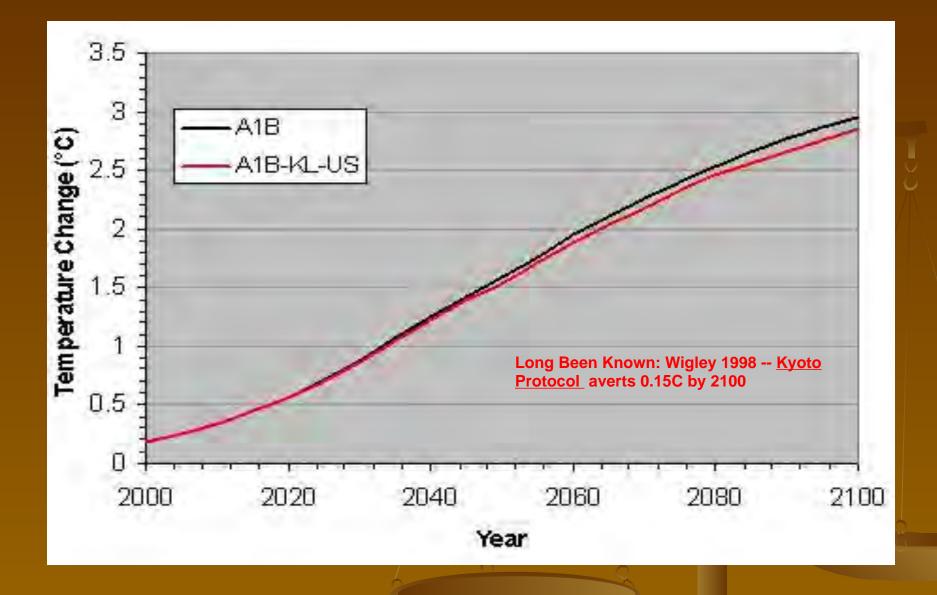
Questions over claims that higher fossil fuel price explain current very high energy bills

No Impact, Man



Inconvenient Truth:

That's according to the same models, despite being amped up to show high climate sensitivity to GHGs not borne out by observations









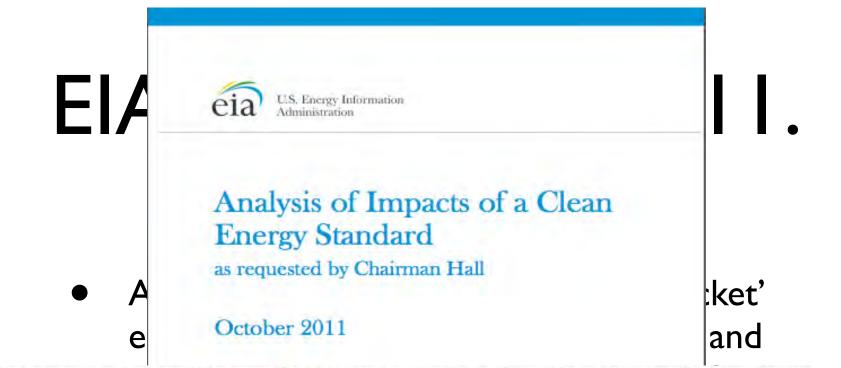
** FILE ** Democratic Reps. Edward J. Markey (left) of Massachusetts and Henry A. Waxman of California. (BLOOMBERG NEWS)



I will also refrain from contradicting a meme by one of your administration's supporters in the media, who claims a solar-based "energy transformation" is at hand due to the operation of "Moore's Law."

Solar-panel prices have come down sharply, it's true, but the reason is not big efficiency gains. Under Moore's Law, computer chips doubled their capacity every 18 months. It took 25 years for commercial solar panels to double their efficiency to today's 10% or so, and no "transformations" appear to be in the offing. Solyndra went bankrupt because its panels, with 12% efficiency, couldn't be delivered at a competitive price.

The following is believed to be an acceptance letter from Herbert M. Allison, a former chief financial officer of Merrill Lynch, chosen by the White House to advise on the Department of Energy's "green" loan program. He was recruited after the collapse of Solyndra, a solar company that received \$535 million in federal loan guarantees. This PDF was created from a Keynote file that contains animated pages. Content on the animated pages has been rendered in layers, so certain pages may not be readable in the PDF file.



A clean energy standard would increase electricity costs nationally by almost 30 percent, according to an Energy Information Administration study requested by the chairman of the House Science, Space, and Technology Committee.

The report, released Oct. 24, found that a clean energy standard (CES) would increase household electricity bills by \$211 in 2035 and lead to a reduction in the gross domestic product by \$127 billion in the same time period.

In addition, the Analysis of Impacts of a Clean Energy Standard found that a CES would cause nationwide manufacturing employment to decline by 1 million jobs in 2025.

Independent Statistics & Analysis

US. Department of Energy Washington, DC 20585

Down to this last 'success story'

Even "Green Jobs" industry confesses:

"Michael Eckhart, president of the American Council on Renewable Energy [said China has] 'won manufacturing... Game over, exit the stadium,' he said."

No worry: "he said there are U.S. jobs in installing and maintaining" renewables.
 Slightly off-message, if quite helpful.

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China, in Fact

- Renewable 'target' to come 100% from hydro
- Market (western rich countries) went broke
- ...Had created bubble
- Image: Faces social unrest
- ■...Bubble bursting = real threat

Imposed requirements to keep it inflated
 Mere self-preservation until things improve
 Installing more coal than anyone (still a model?)

So, how is China's heavily-subsidized solar industry doing, anyway? It must be paying off in a big way, providing all sorts of jobs and cheap energy, right? Err, no, as journalist Ying Ma notes in the current issue of the Weekly Standard:

> Chinese solar companies face a gloomy outlook. The industry may have reaped enormous government financial support that drew open envy from President Obama; but according to the state newspaper *China Daily*, numerous small and medium-sized solar cell manufacturers have gone bankrupt, and more than 80 percent of China's 43 polysilicon companies have stopped production, as prices and orders have declined. China's largest solar manufacturers are battling severe financial problems.

LDK Solar, the largest maker of solar wafers in the world, faces a mountain of debt totaling about \$3.6 billion. Xinyu, the company's hometown in Jiangxi Province, has come to the rescue. Last July, the city government approved a measure to fund approximately \$80 million of LDK's loans. Then in October, LDK raised some \$23 million by selling a 19.9 percent stake to Heng Rui Xin Energy, a renewable energy company partly owned by Xinyu.

Suntech, the world's largest solar panel maker, also needed a bailout from its local government. Burdened with over \$2 billion of debt, it received nearly \$32 million in emergency funds in September. The loan was organized by the city of Wuxi in Jiangsu Province, where Suntech is headquartered, and was extended by the local branches of state banks, including the Bank of China and the China Development Bank.

Ying Ma notes in conclusion:

[T]urmoil in the Chinese solar industry teaches that massive state spending cannot forestall changes in market conditions, though it can distort market incentives and lead to overcapacity, inefficiencies, and other unintended consequences. The logic of the free market applies across national borders and without regard to the wishes of big-government dreamers.



ed solar power industry looking an olyndra debacle

on refrain during the Obama administration's multi-billion subsidies and loan guarantees to the domestic solar power was that the money was needed to prevent China from ing the market.

could dent this thinking. When federally-backed Solyndra went t costing taxpayers about \$528 million, China was fingered as rit for having undersold domestic manufacturers on the solar arket. This in turn was cited as proof we need to *continue* these domestic companies.

In Kerry, D-Mass. – Obama's secretary of state nominee – I a classic example of this rhetoric in late 2011:

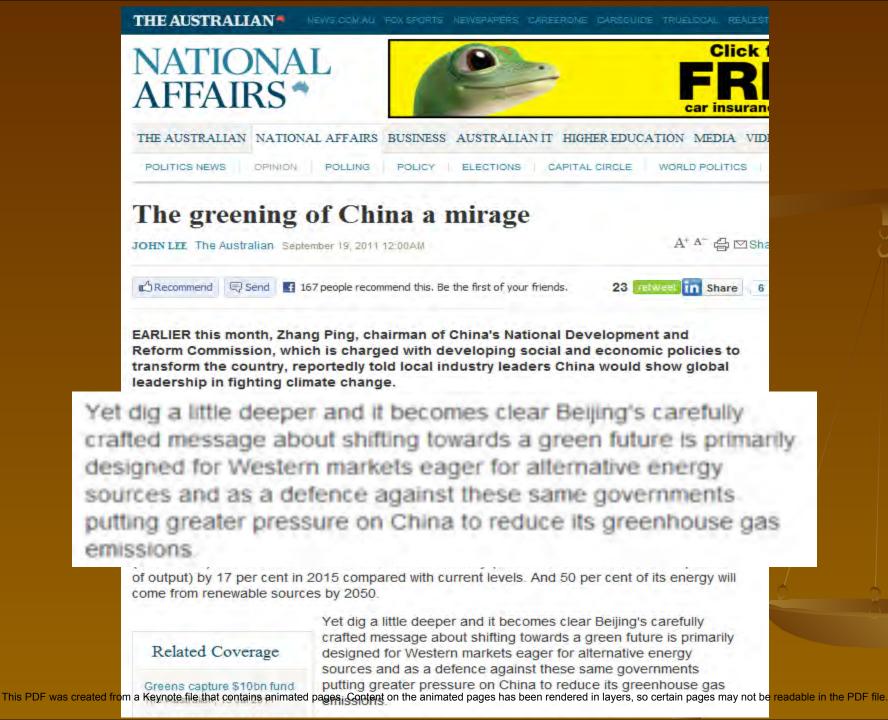
Up for the Politics Digest newsletter! >

We cannot allow long-time opponents of renewable energy to focus the discussion only on Solyndra (whose higher priced panels could not compete as solar costs came down) when we should be thinking about competing with China to win the next energy revolution. Why? Because the race is on to put the right policies in place so hundreds of thousands of new, good-paying renewable

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country.

The New York Times Energy & Environment							
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China Uses Feed-I Market By COCO LIU of ClimateWire Published: September 14, 2011 SHANGHAI After years of a demand, China has taken a c More News From ClimateWire Beseiged DOE Weatherization Program Faces Republican Attacks	simply taking ritical step to Since last r here can se the sun to 15 cents pe	g advantage o form its ow nonth, proje ell electricity utilities at a r kilowatt-h	of overs n solar ct devel generat price of our, a re	eas market. opers ed from about esult of	🖂 E-MAIL	TO PHONE E PAGE MARTHA MARCY MAY	
 In Jobs Speech, a Test for the President on Clean Energy Obama Skips Clean Energy to Avoid a Political Battle on Jobs Industry Hears Details of New FERC Energy Strategy Huntsman Warns That GOP Can't Win the White House by Denying Climate Science 	 Speech, a Test for the lent on Clean Energy a Skips Clean Energy to a Political Battle on Jobs try Hears Details of New Energy Strategy Sman Warns That GOP Can't he White House by Denying te Science China's first nationwide feed-in tarif scheme for solar energy. And in som cases, depending on the timing and projects, the price is slightly higher. Analysts attribute the birth of this lo two urgent needs: keeping the natio fossil fuels amid nuclear development 				g-awaited scheme to s promise to use non- setbacks, and feeding		
ureen	its hungry solar manufacturers for whom overseas markets						



<u>What about China's ascension as world leader in the manufacture of wind and solar</u> <u>technologies?</u> When China announced its fiscal stimulus in 2009, about one-third of it, or \$US200 billion, went to green energy projects in the wind, solar, hydropower and "clean-coal" sectors. Since then, the government has subsidised more than half of all costs incurred by Chinese state-owned companies engaged in these sectors. But this is more about the Chinese seeking opportunities in global markets than a more environmentally friendly future at home. Wind power now accounts for less than 1 per cent of China's energy needs while solar constitutes one-thousandth of 1 per cent of the country's energy use. Provincial and local officials charged with maintaining economic growth at all costs and little else have few incentives to connect renewable energy assets to the power grid when fossil fuels are much cheaper. Chinese figures estimate by 2030, renewables (including hydropower) will meet 2 per cent to 3 per cent of the country's energy needs.

The outlook for Chinese-made renewable products and technologies is much more encouraging when viewed as an export opportunity to subsidised clean-energy sectors in foreign markets. Because of low production costs and peerless export manufacturing and shipping infrastructure, a Chinese-made wind turbine is one-third the price of one made in Germany or Spain. Foreign companies based in China and state-owned enterprises in the clean-energy sectors send most of the wind turbines and almost all the solar panels to the sector of the wind turbines and almost all the solar panels to the sector opportunity to Western consumers. China pragmatic on energy The Australian, 5 Jul 2011

China is leading the way in climate change Perth Now, 30 Jun 2011

Gas chief slams Greens' opposition The Australian, 25 May 2011

Coal-seam gas means jobs, money and less emissions The Australian, 25 May 2011 Take the issue of coal-fired power stations. China has closed down hundreds of its more inefficient coal-fired stations in the past few years. But for every coal-fired station shut down in the <u>past three years, two have sprung up</u>. While gross domestic product has been growing at about 10 per cent during the past five years, Chinese consumption of coal has been increasing at <u>about 17 per cent each year and coal production has been</u> increasing by more than 20 per cent in the same period. According to some figures, investment in the coal industry has been increasing between 30 per cent and 50 per cent a year for the past three years.

The International Energy Agency estimates almost 80 per cent of China's energy needs will be met by coal and oil in 2030. Official Chinese estimates by industry, science and technology ministries suggest coal alone will still provide about twothirds of China's fuel needs in 2030. Which leads to the inescapable conclusion that a target that half the country's energy needs will be met by renewable sources in 2050 is not achievable.



'Green' China is a myth

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Through Green Lending We're Helping Reduce Energy Consumption. See How

A country that burns carbon to make green energy for the West is hardly a friend of the environment.

As the world's factory floor, China is not an obvious environmental leader. It is beleaguered by severe pollution and generates more carbon emissions than any other nation.

Yet many have trumpeted it as an emerging "green giant" for its non-carbon-based energy production and its aggressive promises to cut carbon emissions. *New York Times* foreign affairs columnist Thomas Friedman described China's "green leap forward" as "the most important thing to happen" at the end of the first decade of the 21st century.

But the facts do not support this "green" success story.



China indeed invests more than any other nation in environmentally friendly energy production: \$US34 billion in 2009, or twice as much as the United States. Almost all of its investment, however, is spent producing green energy for Western nations that pay heavy subsidies for consumers to use solar panels and wind turbines.

China's Doing It!

Uh, What happened to 'Spain!'? Anyway. OK, I'll bite.

- Sec. Chu says China "winning 'clean energy race"
- Misunderstands China's role in economySays only way to match them is 'cap carbon'
- "That critical step will drive investment decisions toward clean energy."

This does not compute. China does not cap carbon. China is fueling its development chiefly with coal, oil, and hydro-power, not wind- and solar-power. Almost 80% of China's electricity comes from coal, and China is investing billions in Canadian tar sands oil production. If China is both threat and model, won't America fall further behind in the "economic growth race" unless we produce more electricity from coal and approve the Keystone XL Pipeline?

Chu on China, Cont...

So, also misunderstands what China's doing

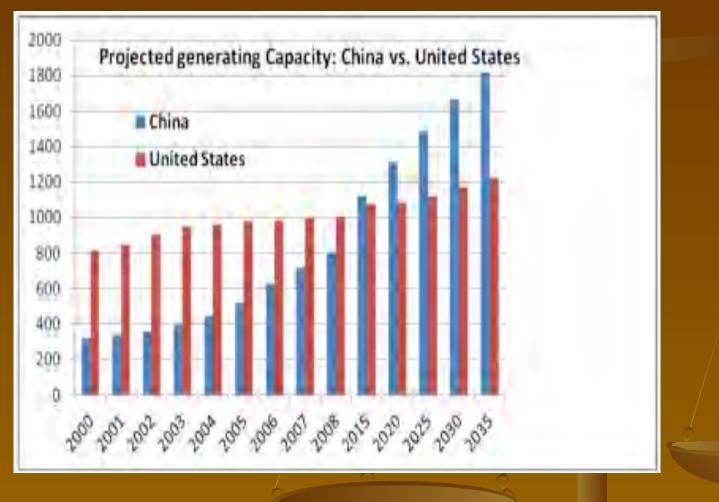
Here's the test:

OK, we'll take China's deal

No? Why not? Was "CDI!" Just a TP?

'Spain!'?)

What China is Doing is Building New Electricity Capacity



Source: Energy Information Administration, International Energy Outlook 2011

Coal is China's Present

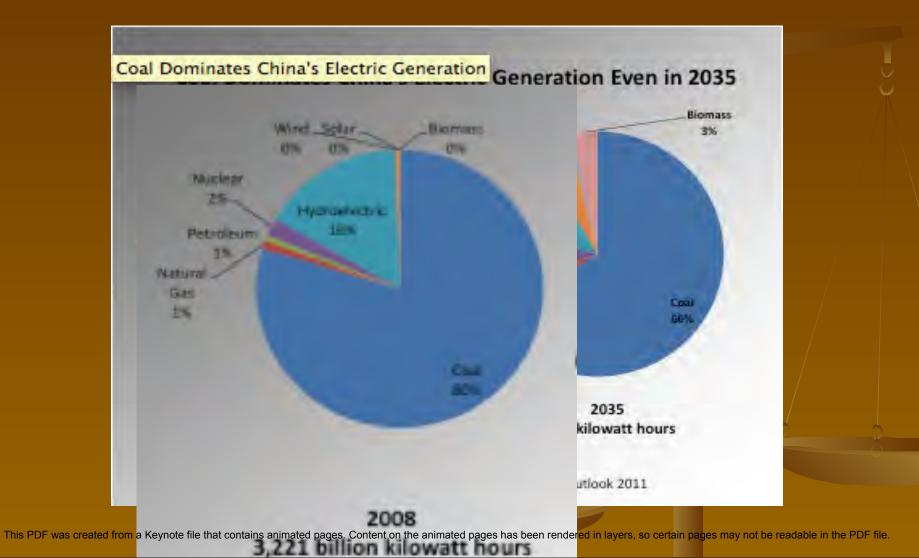
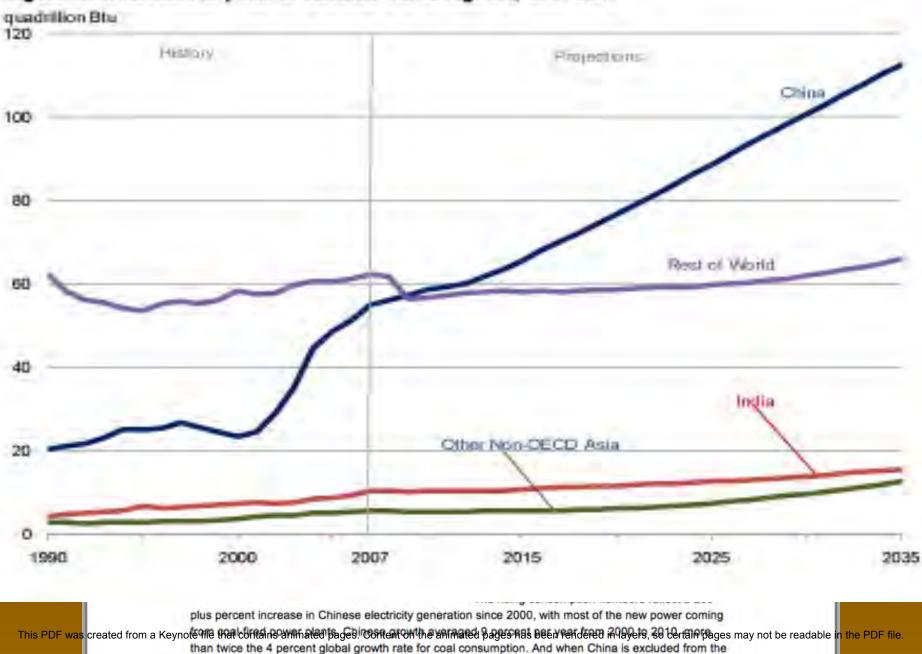




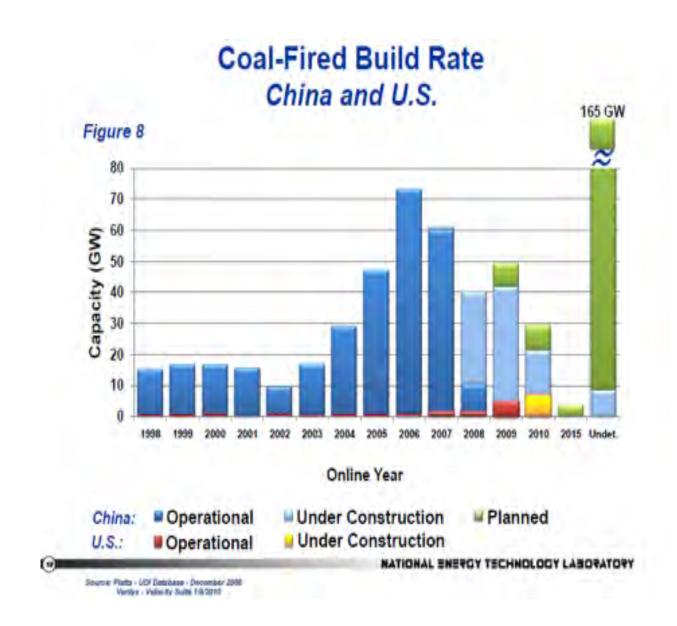
Figure 17. Coal consumption in selected world regions, 1990-2035



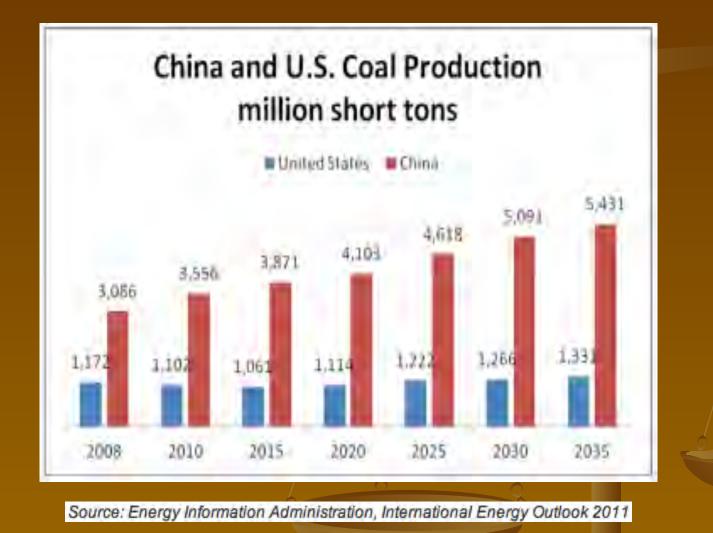


companies they accused of riding roughshod over livestock grazing land.

"They wanted to go to the streets, too!" recounted Tegusbayar, a professor of Mongolian culture. The presence of Chinese security forces kept his students at bay, and dampened the potential for protests to turn violent at the end of May.



Coal is China's Future



Coal i

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2011 report Report | 21-09-2011



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After a 1 percent decline in 2009, global carbon dioxide (CO₂) emissions increased by more than 5 percent in 2010, which is unprecedented in the last two decades. The industrialised countries that ratified the Kyoto Protocol, together with the non-ratifying USA emitted approximately 7.5 percent less CO₂ in 2010 than in 1990 and collectively remain on target to meet the original Kyoto Protocol objective of a 5.2

percent reduction. However their efforts are increasingly hidden in the global picture as their share of CO₂ emissions has dropped from two-thirds to less than half.

Links

CO_emission > download publication (pdf, 0.9 MB)

1000 millii Global CO₂ emissions growth continues the long-term trend

After a 1 percent decline in 2009, global carbon dioxide (CO_2) emissions increased by more than 5 percent in 2010, which is unprecedented in the last two decades, but similar to 1976, when the global economy was recovering from the first oil crisis and subsequent stock market crash. Continuing growth in the developing nations and economic recovery in the industrialised countries drove the record-breaking 5.8 percent increase in global CO_2 emissions to the all-time high of 33.0 billion tonnes, even though these have not returned to pre-recession levels in most industrialised countries. CO_2 emissions went up in most of the major economies, led by China, USA, India and EU-27 with increases of 10 percent, 4 percent, 9 percent and 3 percent respectively.

The annualised average growth rate in global CO₂ emissions over the last three years of the credit crunch, including a 1 percent increase in 2008 when the first impacts became visible, is 1.7 percent, almost equal to the long-term annual average of 1.9 percent for the preceding two decades back to 1990. Global non-biogenic CO₂ emissions are estimated at 22.7 billion tonnes CO₂ in 1990 and 31.6 billion tonnes in 2008, while the first estimate for 2010 is 33.0 billion tonnes, an increase of 45 percent since 1990, which is the same percentage as in the twenty years before 1990. These figures exclude emissions from biomass burning such as forest fires, which are rather uncertain.

Source: EDGAR 4.2:

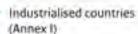
1990

These preliminary estimates have been made by the PBL Netherlands

www.pbl.nl

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China

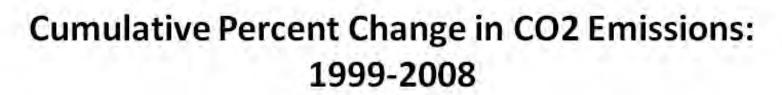
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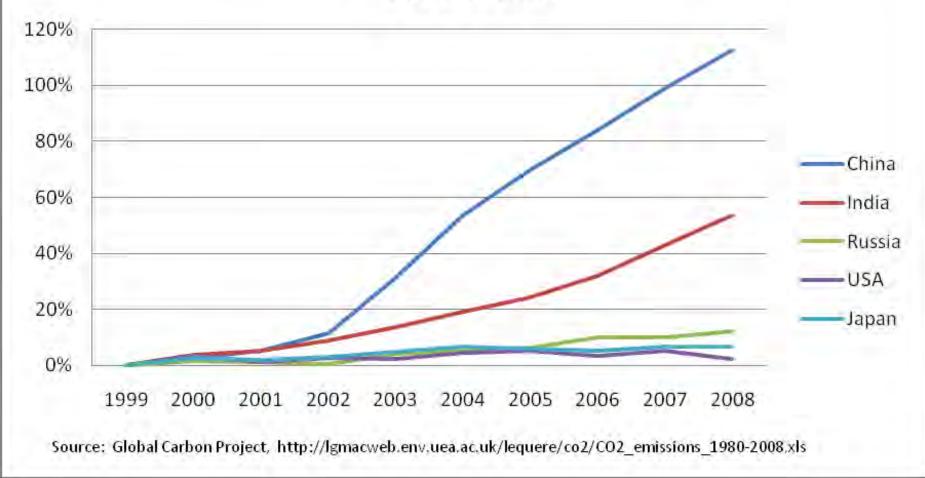
Other developing countries

International transport

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Research Centre (JRC) on the basis of energy consumption data for 2008 to



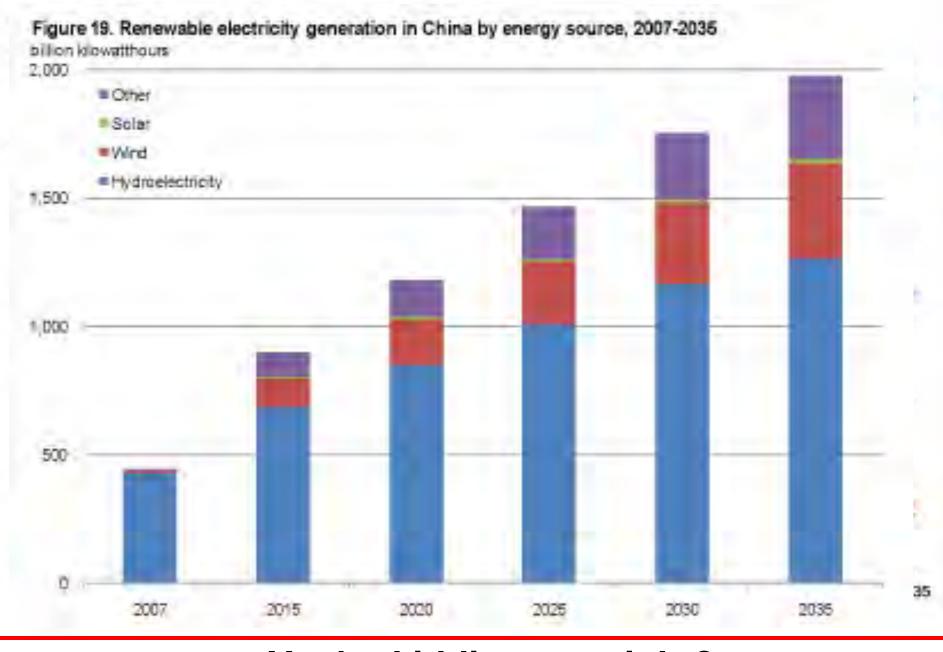




Amid poverty, Chinese officials splurge on lavish vanity projects

China is rife with extravagant building projects in backwater towns often grappling with poverty.







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Business Manufacturing sector

European companies announce 10,000 job losses

Wind turbine manufacturer Vestas says 2,000 jobs will be cut with some of the losses coming from the UK

Terry Macalister

The Guardian, Wednesday 7 November 2012 12.04 EST



Ditlev Engel, chief executive of Vestas Wind Systems, the world's biggest wind turbine makers . Photograph: Martin Godwin for the Guardian

Leading European companies announced job losses totalling more than 10,000 on Wednesday, underlining the scale of problems facing the continent's manufacturers.

Vestas, the world's largest wind turbine manufacturer, said 2,000 jobs would be cut after it posted an almost doubling of pre-tax losses in the face of falling prices and fierce competition from China.

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It's Not Just the 'Green Energy' Bubble...



Tata Steel, one of Britain's largest electricity users, says UK green policies are putting it at such a disadvantage to its rivals in Europe that its future operations are likely to be affected.

In a sign of the fresh industry push gathering against environmental levies ahead of the March 21 Budget, Karl-Ulrich Köhler, head of the Indian group's European business, said Tata's UK plants were paying up to 50 per cent more for their electricity than were sites in countries such as France, Germany and the Netherlands.

Tata Steel, one of Britain's largest electricity users, says UK green policies are putting it at such a disadvantage to its rivals in Europe that its future operations are likely to be affected. The main reason was that the UK lagged behind other countries' efforts to cap or ease the burden of renewable energy incentives on industry, he said, handing a big advantage to Tata's rivals. --Pilita Clark, Financial Times, 8 March 2012 This PDF was created from a Keynote file that contains animated pages. Content on the animated pages has been rendered in layers, so certain pages may not be readable in the PDF file.

Tuesday 14 June 2011 The Telegraph HOME NEWS SPORT FINANCE COMMENT BLOGS CULTURE TRAVEL LIFESTYLE Companies Comment Personal Finance Economics Markets Your Business Olvm Money Deals Banks and Finance Media and Telecoms Retail Transport Constructi Pharmaceuticals Energy

UK faces job losses as businesses threaten to flee abroad to escape green energy levies

British industry's ability to compete with companies overseas is under threat from punitive green energy costs, the new president of the CBI has told The Sunday Telegraph.



Robert Mendick, Edward Malnick and Andrew Cave



Renewable Energy » Robert Mendick »





Home > UK News > Green Suicide: Emission Rules Threaten More Manufacturing Jobs

Green Suicide: Emission Rules Threaten More Manufacturing Jobs **7** 🖨 🏹

Tuesday, 18 October 2011 19:18 David Robertson, The Times

European legislation has thrown the future of 750 jobs in the North of England into doubt after Rio Tinto said that it would dispose of one of its smelters there.

The Anglo-Australian miner announced plans yesterday to sell global assets worth an estimated \$8 billion (£5 billion) as it looks to restructure its aluminium division.

One asset that Rio wants to offload is the Northumberland-based Lynemouth smelter and power station. However, union officials and politicians are concerned that the company might struggle to find a buyer because of legislation that requires huge investment. The power station breaches limits imposed by the European Union and must reduce emissions and buy [carbon] credits to stay open after 2013.

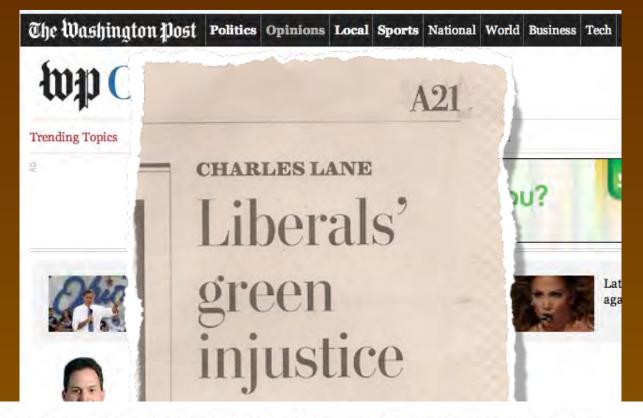
Rio hinted at the problem yesterday when it said that Lynemouth could be closed if a buyer was not found.

Aluminium smelters need large amounts of energy to operate and typically have a dedicated source of power. The Lynemouth smelter, which produces 178,000 tonnes of aluminium a year, was established in 1974 to take advantage of local coal. The Government invested heavily in the project to provide employment as coalmines shut down. Rio has been in talks with the Government to turn its power station into a biomass-burning generator, but this would be expensive.



So Much for 'Green Jobs', Boom Times Bastiat is *still* right





For a sense of where this may lead, look at Germany, whose crash program to replace nuclear power with wind and solar is boosting electricity rates. <u>Der Spiegel reports</u> that 200,000 long-term unemployed lost power in 2011 because they couldn't pay their electric bills.

Democrats try to square this circle by talking up "green jobs," but expensive electricity is bad for industry, as Germany is discovering. Fact is, subsidies for green energy do not so much create jobs as shift them around.

by the Obama administration.

'Jobs' is not an argument Quick, name something that doesn't 'create jobs' Energy policy should not be jobs program And if it is, go where the 'real' jobs are Sustainable jobs producing viable sources Leading to more jobs in broader economy "Green jobs" argument turns logic on head Isn't an argument but admission have none

"Clean Energy" Economy = Good! Unless it were to appear feasible, of course

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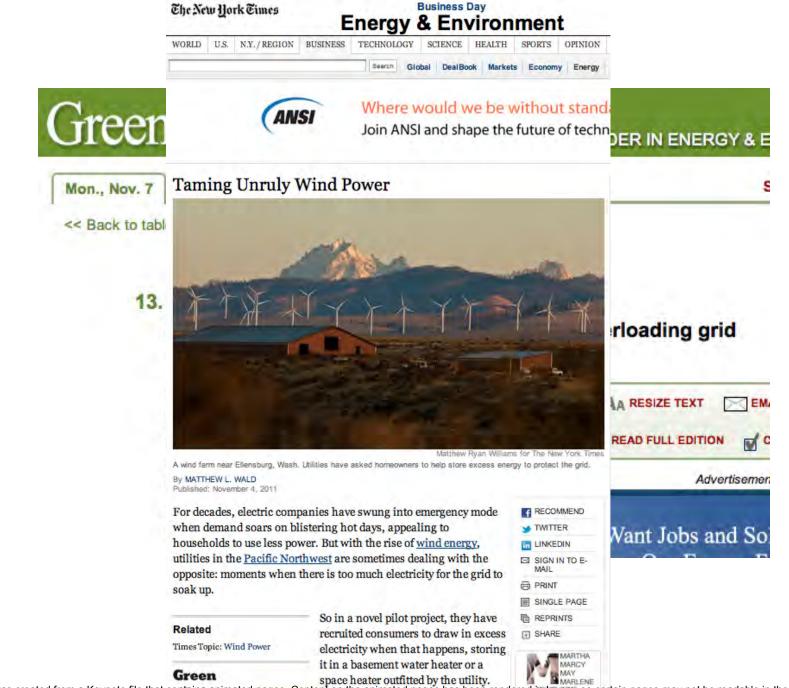
d" – Stanford's

It's the worst tring that octal happen to our planet." – Eco-writer Jeremy Rifkin











with danger

Blowing Hard About Wind

Remember: to be an alternative something must be ... an alternative

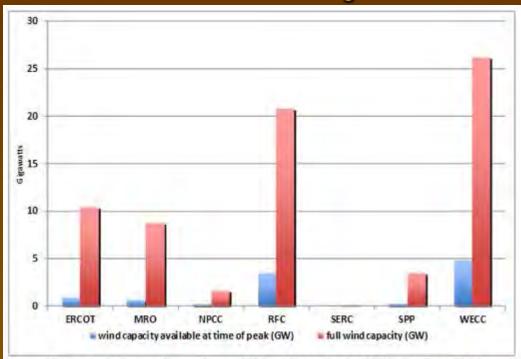


Figure 1: Industry Projections of Wind Capacity by NERC Region, 2019

NERC region	Wind peak capacity value (%)
ERCOT	8.7
MRO	8
NPCC	13.2
RFC	16.6
SERC	8
SPP	8.2
WECC	18.5

Table 1: Planning Projections for Wind Capacity, 2019





Electrify New York CityBlanket Connecticut





One gas-fired generating plant – or
 13,000 wind turbines







Electrify New York CityBlanket Connecticut





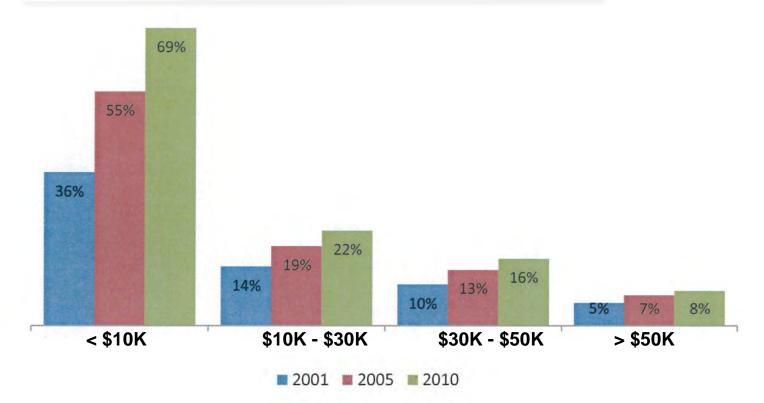
One gas-fired generating plant – or
 13,000 wind turbines



The poor bear a disproportionate burden when it comes to increasing energy prices*

*'But don't worry, we'll just tax Big Business!'

U.S. Energy Costs as Percentage of Average Annual After-Tax Household Income



SOURCE: "Energy Cost Burdens on American Families," American Coalition for Clean Coal Electricity This PDF was created from a Keynote file that contains animated pages. Content on the animated pages has been rendered in layers, so certain pages may not be readable in the PDF file.