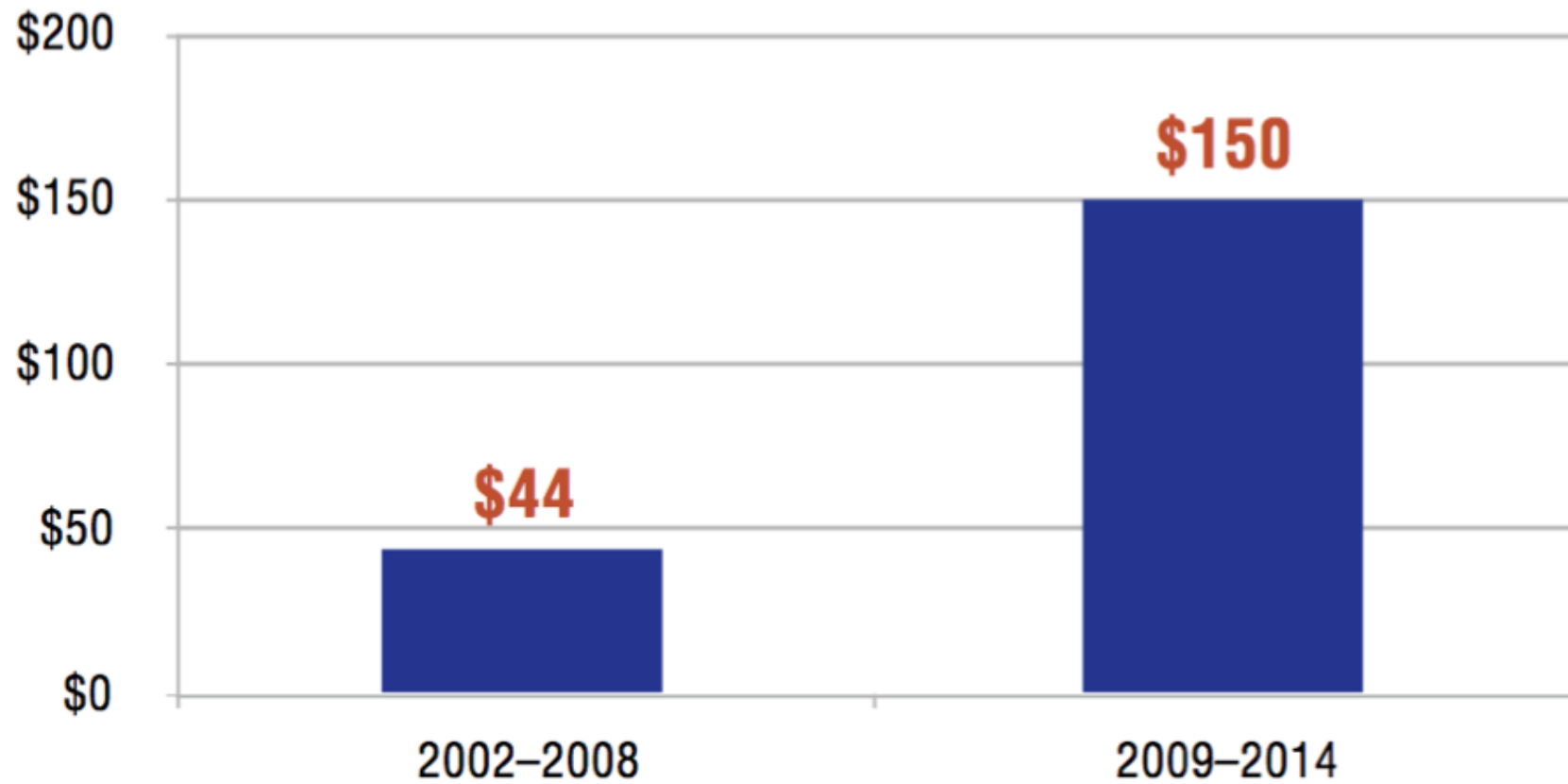
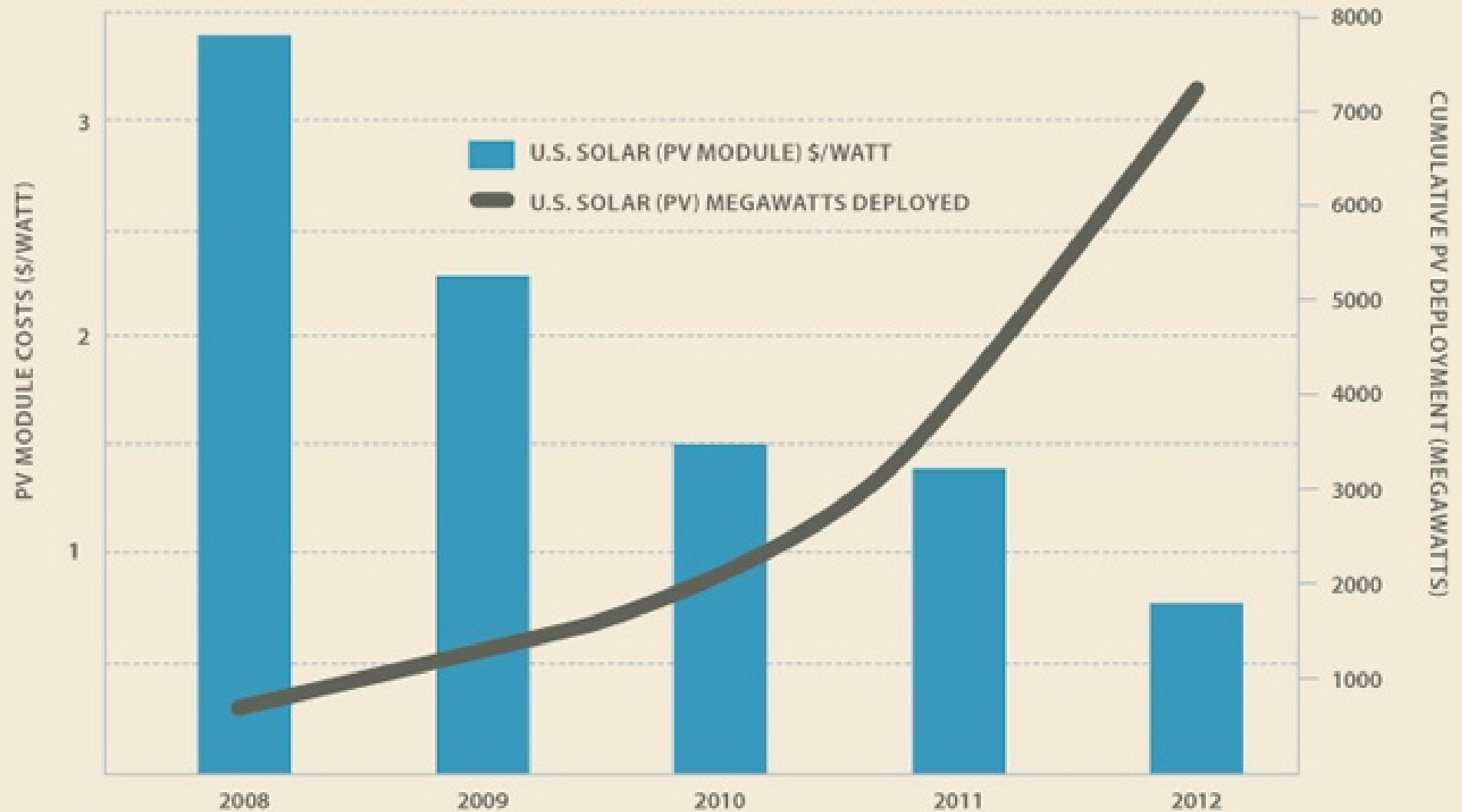


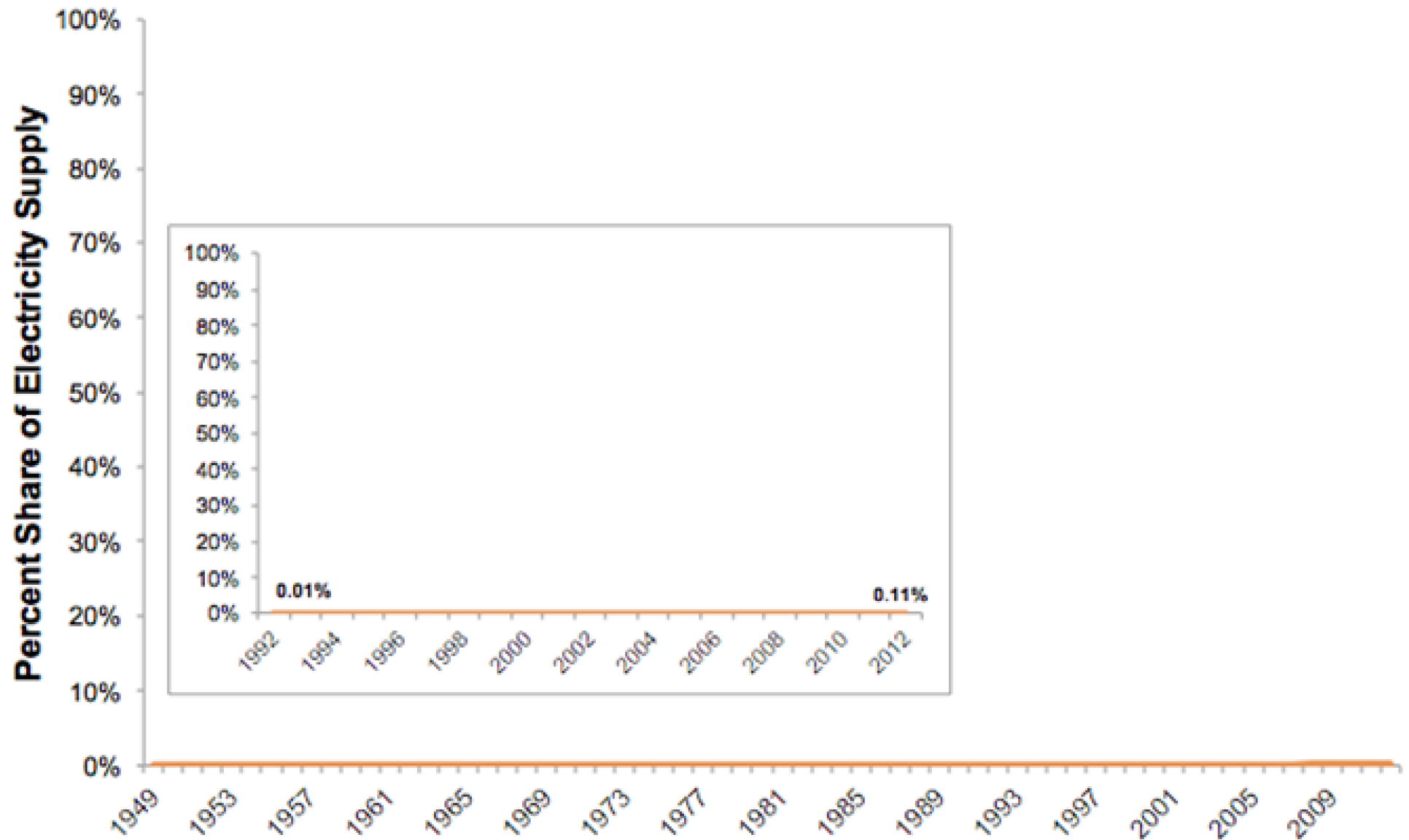
Cumulative Federal Spending on Clean Tech by Period (billions)



U.S. DEPLOYMENT AND COST FOR SOLAR PHOTOVOLTAIC (PV) MODULES

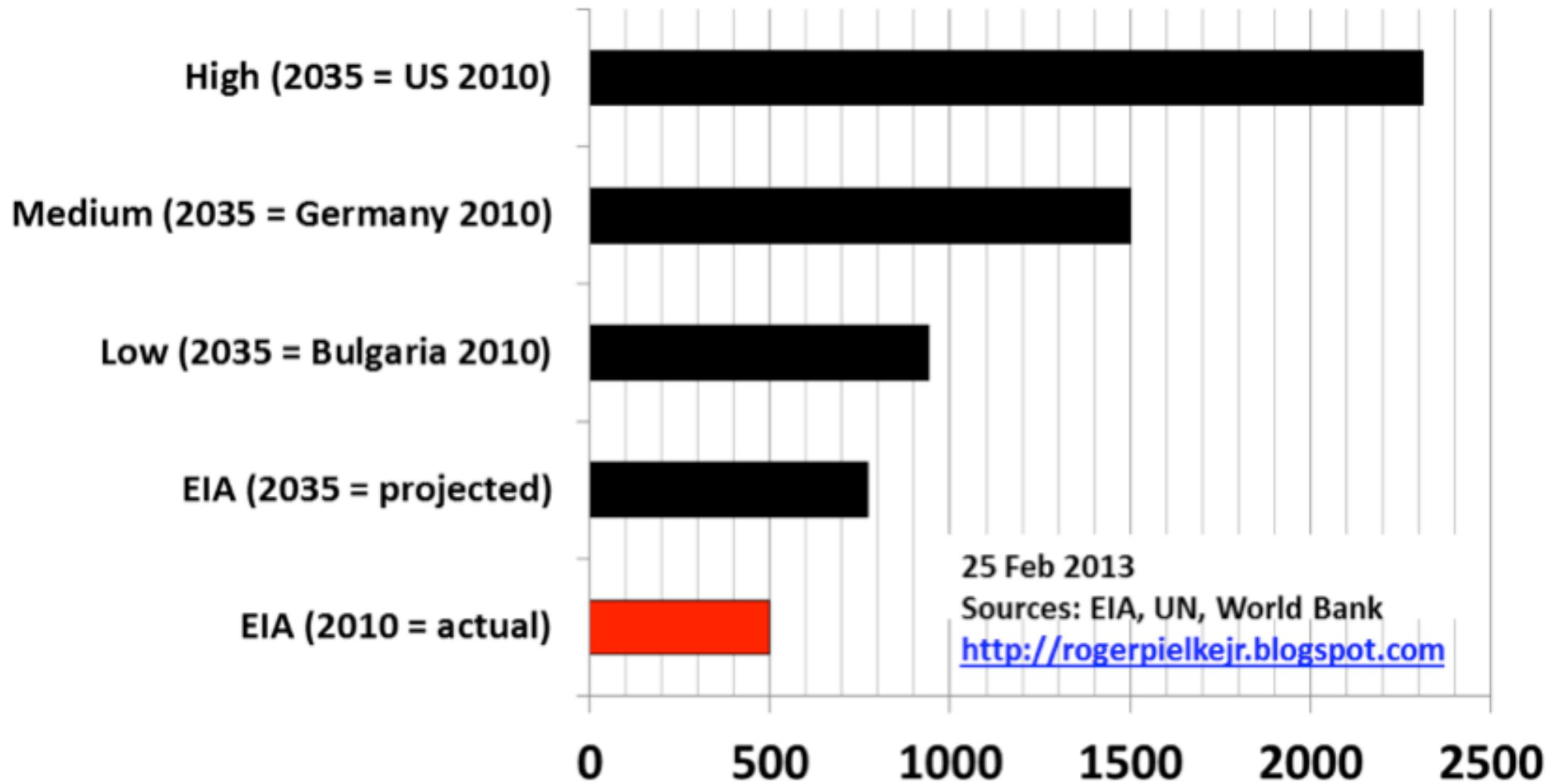


Share of Solar Power in US Electricity Mix, 1949-2012 (inset: 1992-2012)

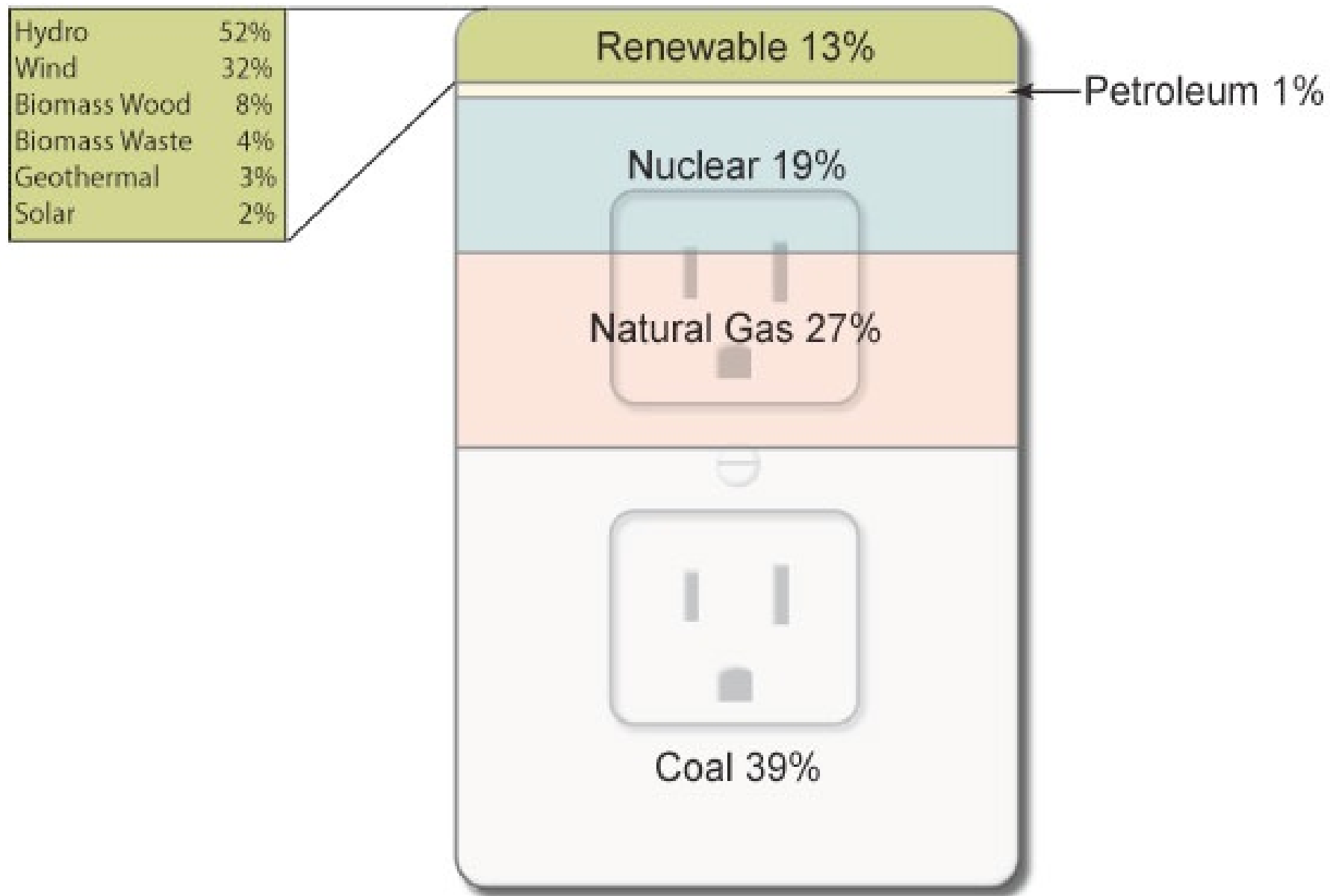


An Ambition Gap in Global Energy Access?

Global Total Energy Consumption (quads/year)



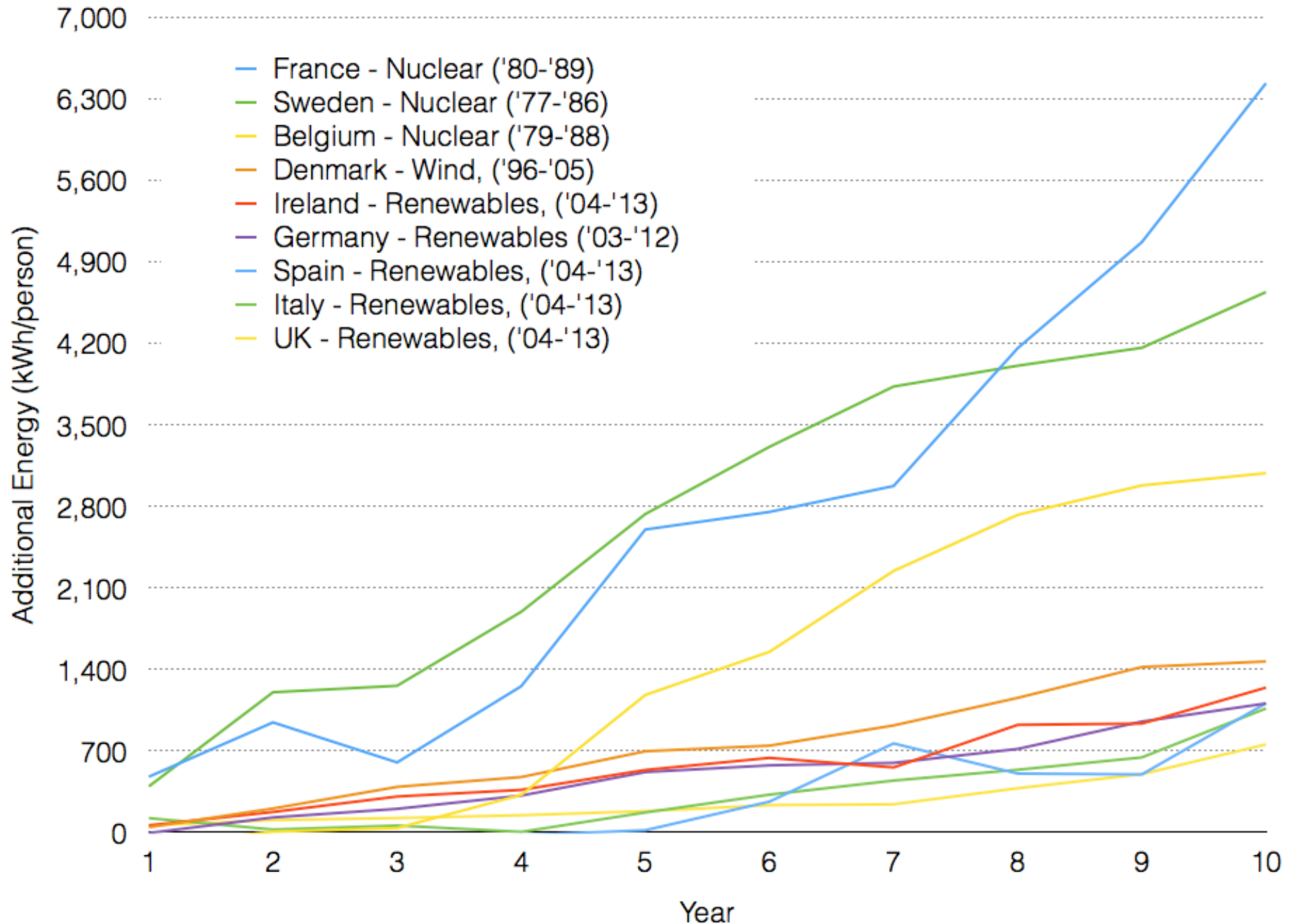
Sources of U.S. electricity generation, 2013



Source: U.S. Energy Information Administration, *Electricity Power Monthly* (February 2014). Percentages based on Table 1.1 and 1.1a; preliminary data for 2013.

Note: Sum of components may not equal 100% due to independent rounding.

How Much Energy Can a Country Add in a Decade?



Open Letter from Climate Scientists to Environmental NGOs — November 2013

“Suggesting that renewables will let us phase rapidly off fossil fuels in the United States, China, India, or the world as a whole is almost the equivalent of believing in the Easter Bunny and [the] Tooth Fairy.”

— James Hansen, former NASA climate scientist

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CNN Global NewsView
cnnglobalnewsview.com

Climate change warriors: It's time to go nuclear

By **Thom Patterson**, CNN
November 3, 2013 -- Updated 1315 GMT (2115 HKT)

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CLIMATE CHANGE
A MATTER OF LIFE OR DEATH

James Hansen says environmentalists and world leaders must accept nuclear power now to avoid catastrophic climate change.

Part of complete coverage on
Nuclear energy

CNN Films: 'Pandora's Promise'
CNN Films' dc

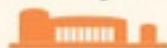
Land Area Required for Energy in 2050 (Jacobsen et al, BAU)

NREL's 100% "Renewables" =

1. 50 Hoover Dam's worth of new hydro capacity
2. 100 gigawatts bioenergy the size of Pennsylvania
3. 100-150 gigawatts of storage
4. Double size of grid.



Hinkley Point C land area and energy output compared to other types of energy production sites

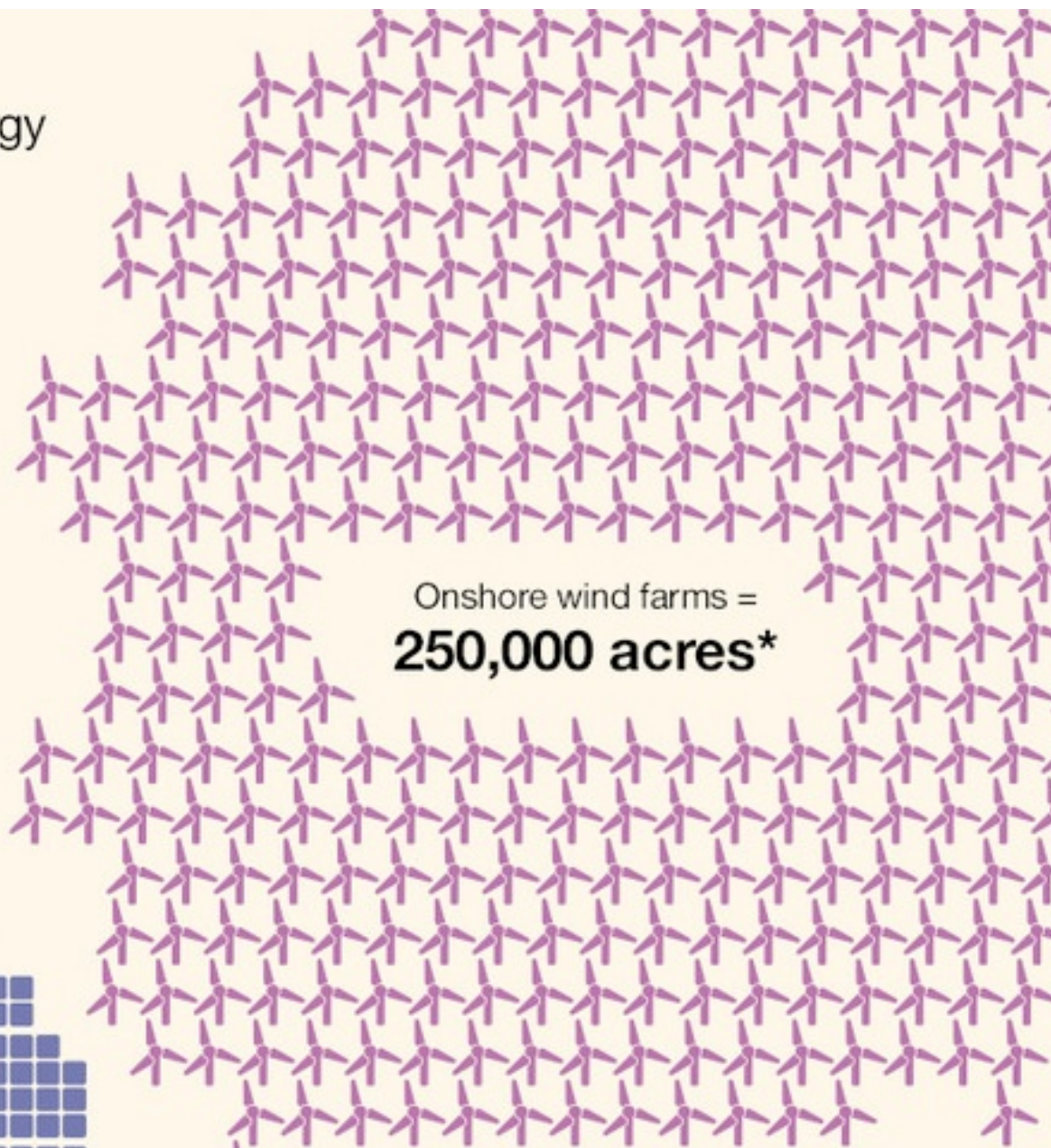
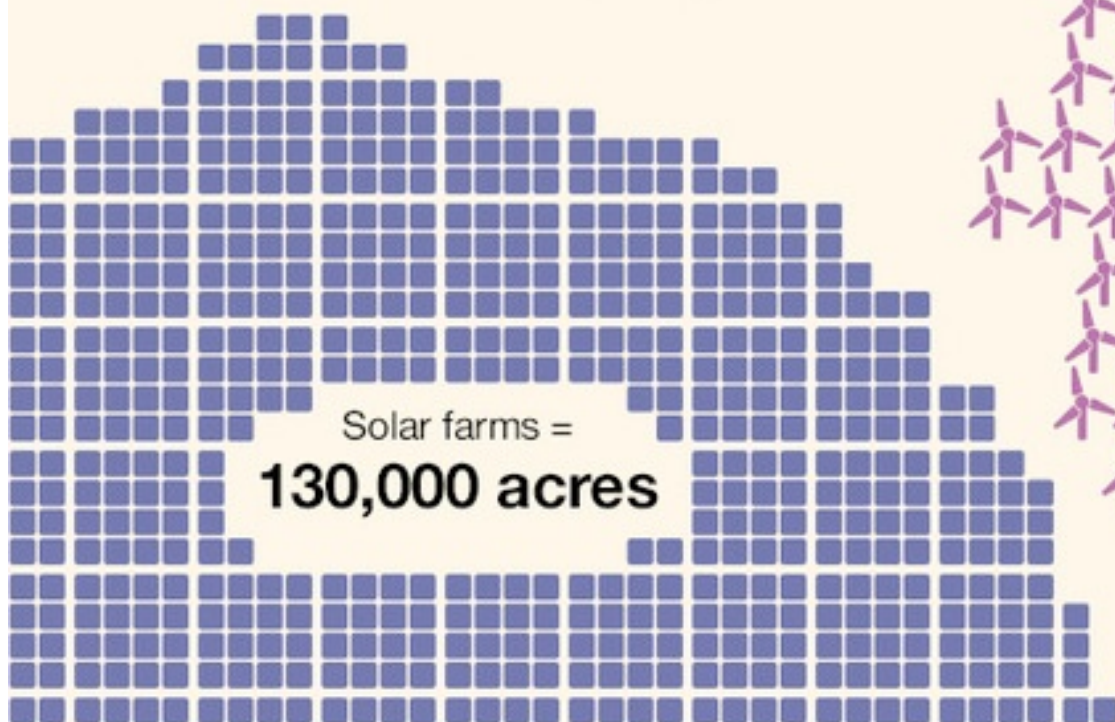


Hinkley Point C =

430 acres

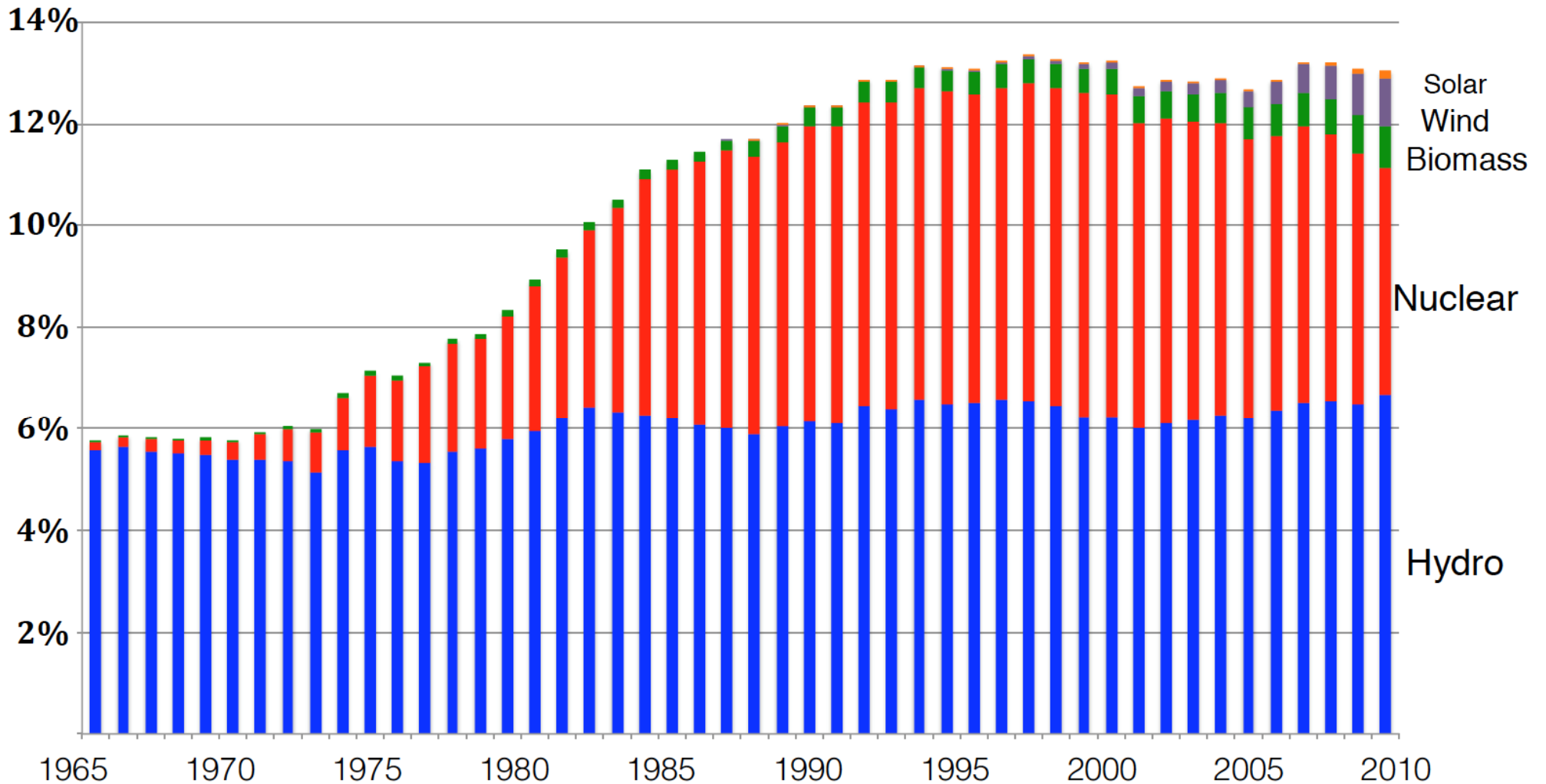
26TWh (terrawatt hours) per year

This is estimated to be equal to around 7% of UK electricity consumption in 2025 and enough to power nearly 6 million homes.



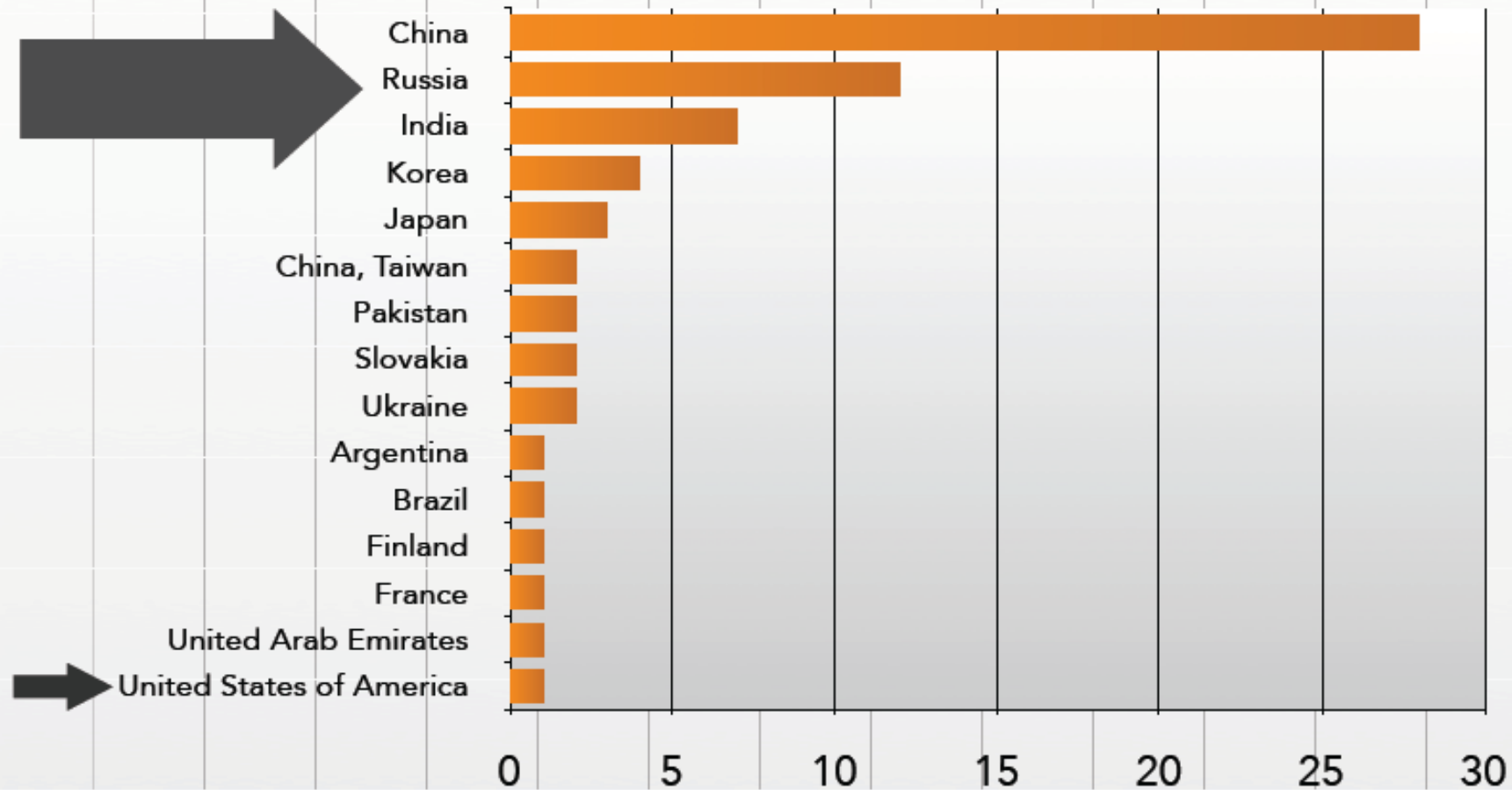
*The footprint will depend on the location and turbine technology deployed. DECC estimates the footprint could be between 160,000 and 490,000 acres.

Global Proportion of Low-Carbon Energy

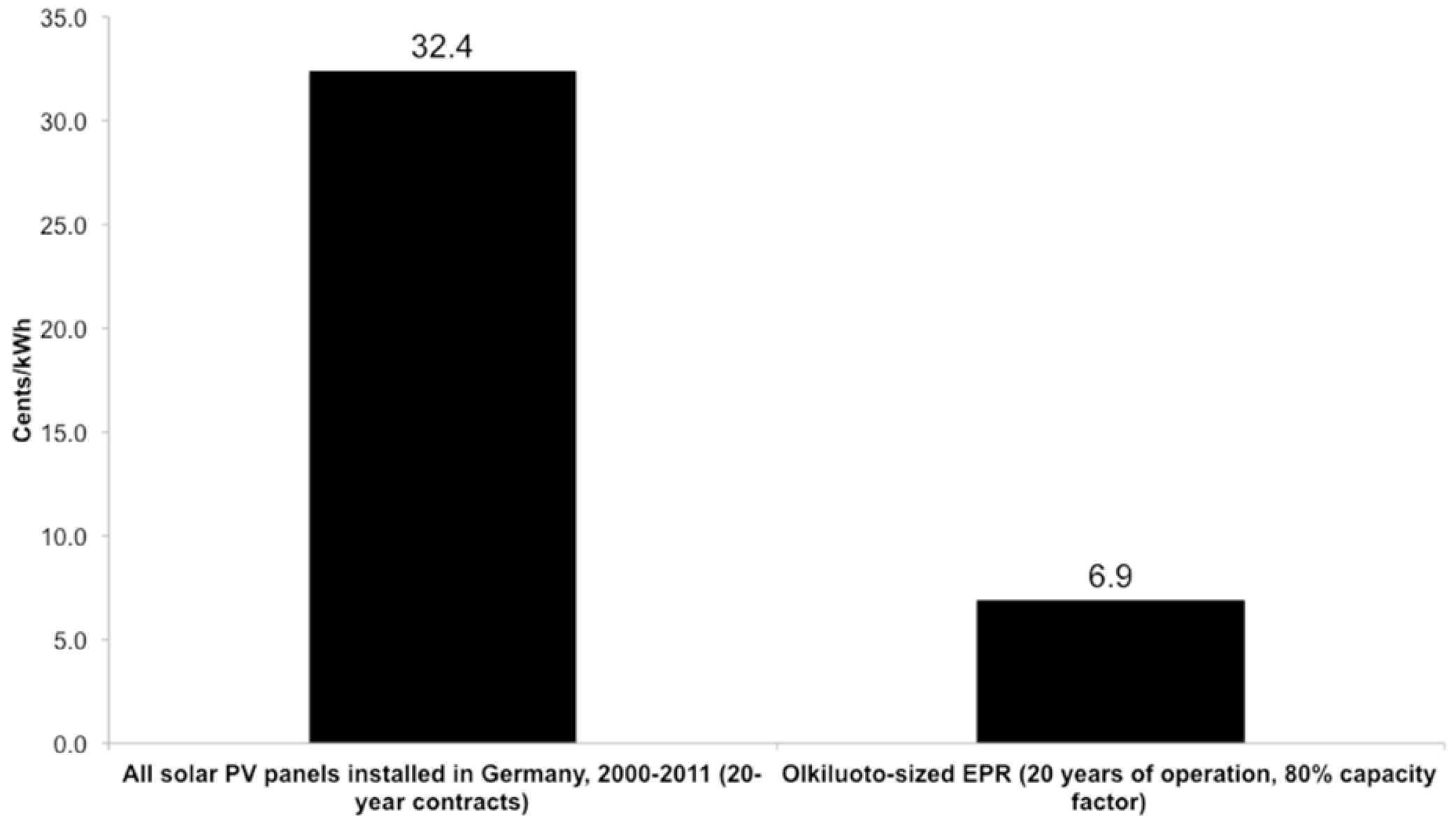


BP statistical data shows total zero-carbon energy rising from six percent globally (almost all of which was hydro-electric dams) to 12 percent (dams plus nuclear) between 1970 and 1990. Zero-carbon energy then stayed flat from 1990 to today — the period during which the world stopped building nuclear power plants.

Nuclear Fleet Under Construction



Total Cost-Per-kWh of Germany's Solar PV and Finland's Olkiluoto 3 Nuclear Plant



Elite Support for Nuclear Growing in the U.S. and U.K.



Dalai Lama, Carol Browner, Bill Gates, Richard Branson, Barack Obama, Gro Brundtland