

# Innovation in Energy Policy

Swiss-U.S. Energy Innovation Days – Aug. 21, 2015

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United States Ambassador to  
Switzerland and Liechtenstein



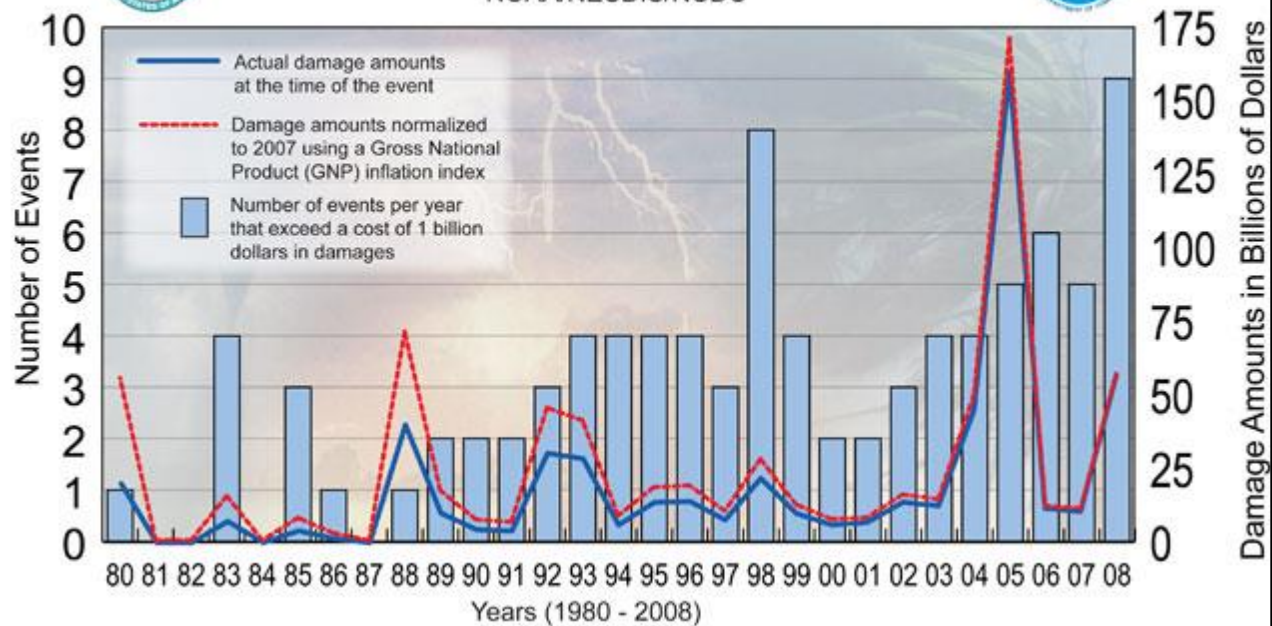
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## Billion Dollar U.S. Weather Disasters 1980 - 2008

NOAA/NESDIS/NCDC





— PRESIDENT OBAMA'S PLAN TO —  
**ADDRESS CLIMATE CHANGE**

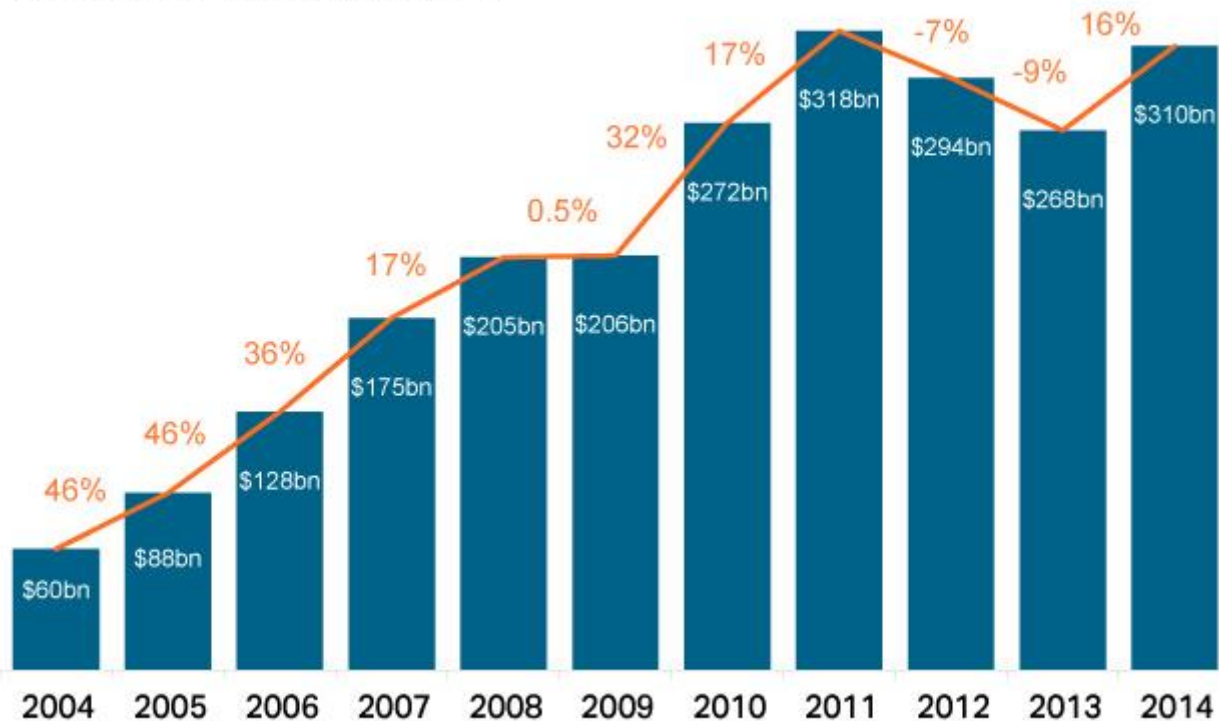
- ✓ **Reduce carbon pollution from power plants and build cars that burn less fuel.**
- ✓ **Cut energy waste from our homes and businesses.**
- ✓ **Help states and cities prepare for the impacts of climate change.**
- ✓ **Lead global efforts to address climate change.**

[Wh.gov/Climate-Change](http://Wh.gov/Climate-Change)

[#ActOnClimate](https://twitter.com/ActOnClimate)

# New Investment in Clean Energy

BILLIONS OF DOLLARS, 2004-14



Note: Total values include estimates for undisclosed deals. Includes corporate and government R&D, and spending for digital energy and energy storage projects (not reported in quarterly statistics).

Source: Bloomberg New Energy Finance



OBAMA ADMINISTRATION Fuel Economy Standards In the year 2025

The fleet-wide average will be



Consumers will have saved  
**\$1.7 TRILLION**  
at the pump over the  
life of the program.



A family that purchases a new  
vehicle in 2025 will save

**\$8,200**

in fuel costs when compared with  
a similar vehicle in 2010.

Over the life of the program, the standards will:

Save **12** billion  
barrels  
of oil.



Eliminate **6** billion  
metric  
tons  
of carbon dioxide pollution.





President Obama  
**JUST TRIPLED OUR  
GOAL** for installing  
renewable energy in  
low- and moderate-  
income housing.

#ActOnClimate



**PRESIDENT OBAMA'S CLEAN POWER PLANT  
STANDARDS WOULD PREVENT:**

**AN ESTIMATED 150,000  
ASTHMA ATTACKS IN KIDS PER YEAR**

**AN ESTIMATED 2,700 TO 6,600  
PREMATURE DEATHS PER YEAR**

It's time to **#ActOnClimate**







MARY ALTAFFER | AP PHOTO



PHOTO COURTESY OF PEABODY ENERGY

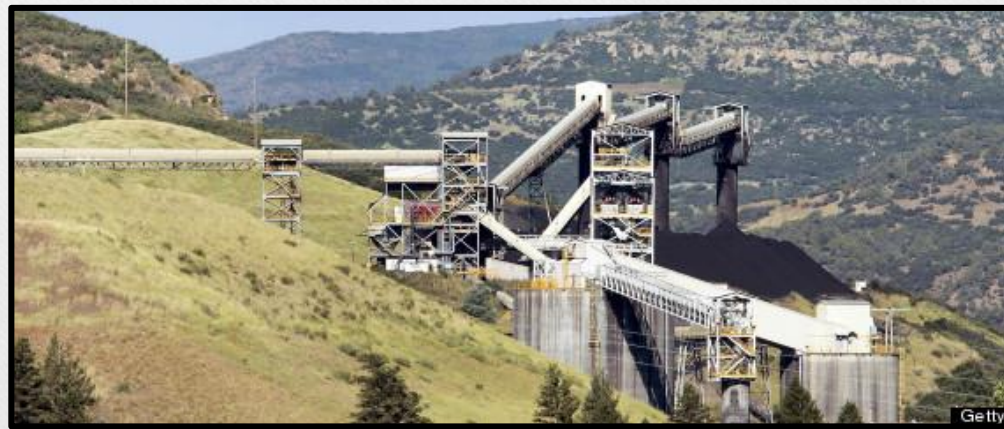
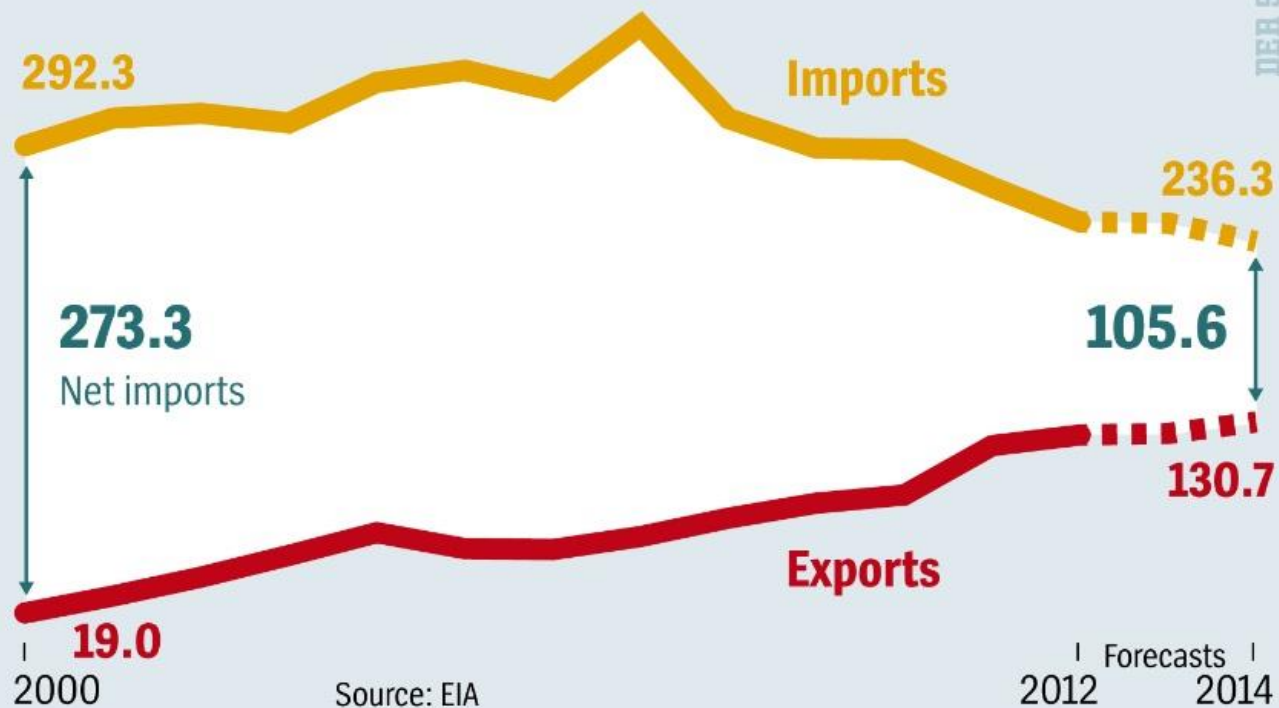


PHOTO COURTESY OF THE COLORADO INDEPENDENT

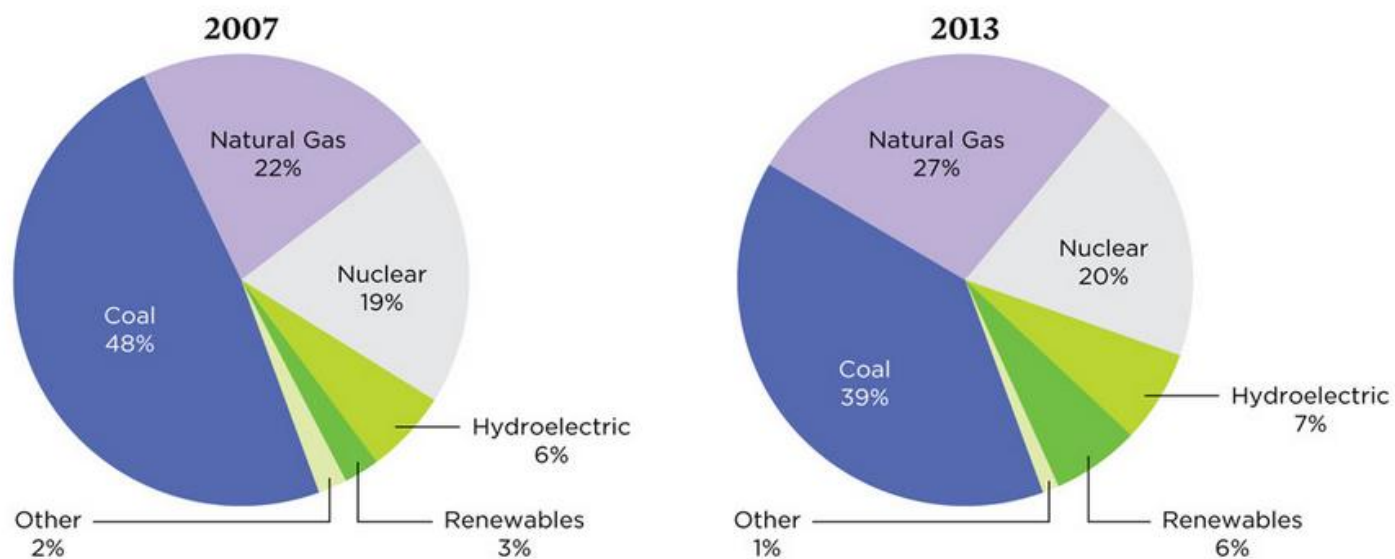


# On the Road to Energy Independence?

US gas imports and exports, in millions of cubic meters



### Change in U.S. Electricity Generation Mix, 2007 to 2013

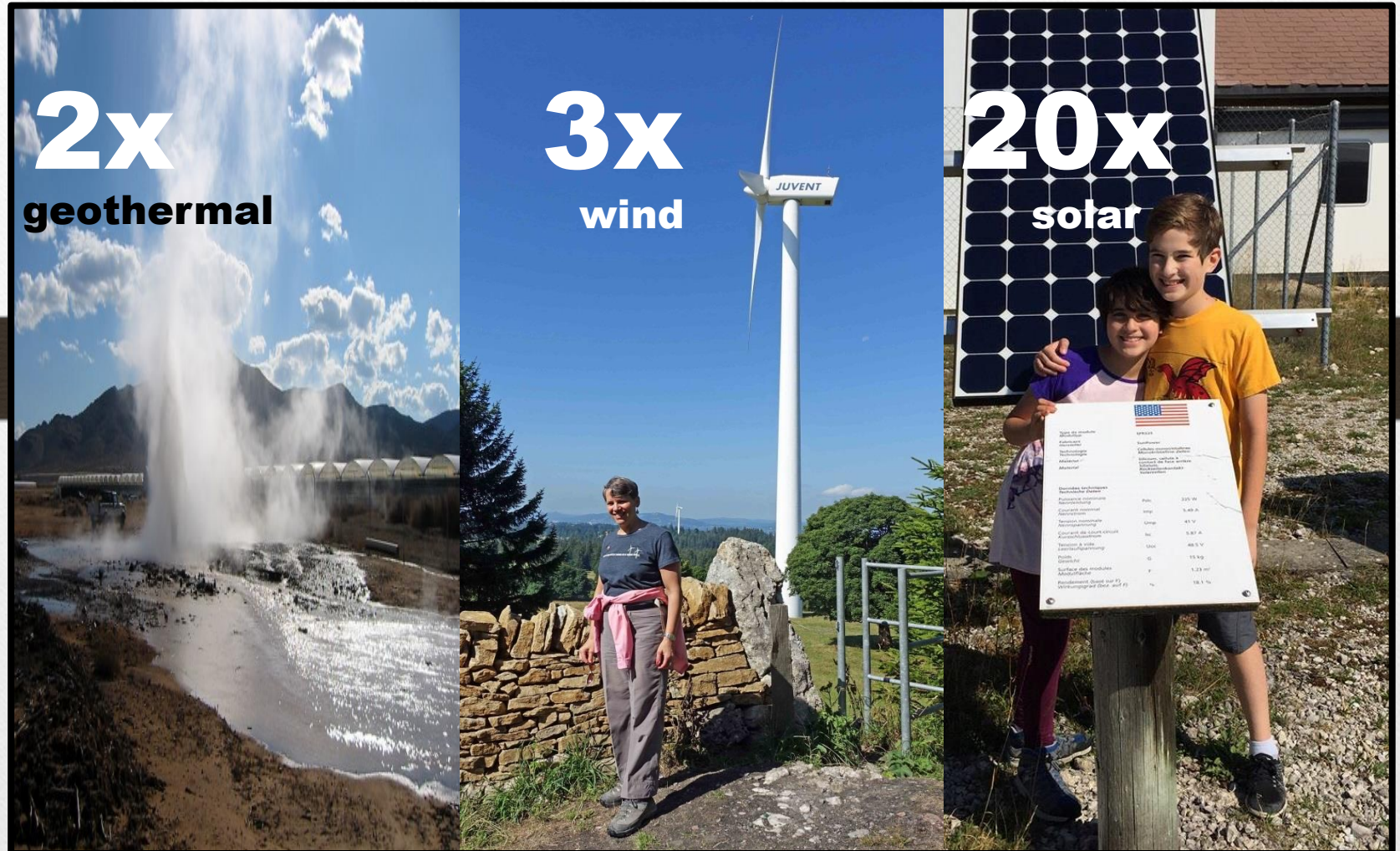


*A combination of market and policy factors has contributed to a major shift in the makeup of the U.S. electricity generation mix from 2007 through 2013. As coal generation declined, it was replaced by generation from a combination of cleaner power sources—led by natural gas.*

SOURCE: EIA 2014A.

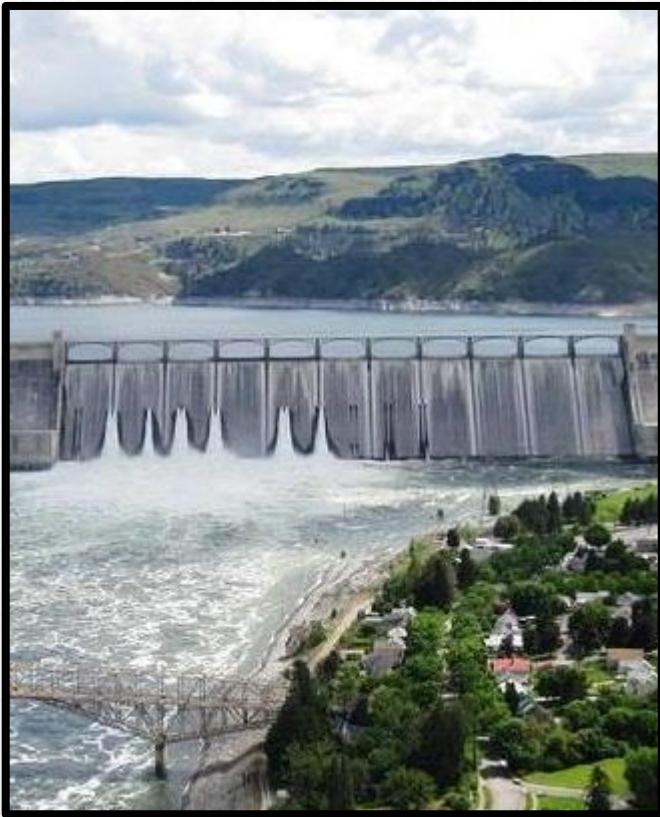


Since 2008, the U.S. has...





# Attracting international business with renewables



AP PHOTO



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*"We have not inherited  
this land from our  
forbearers;*

*we have borrowed it  
from our children."*

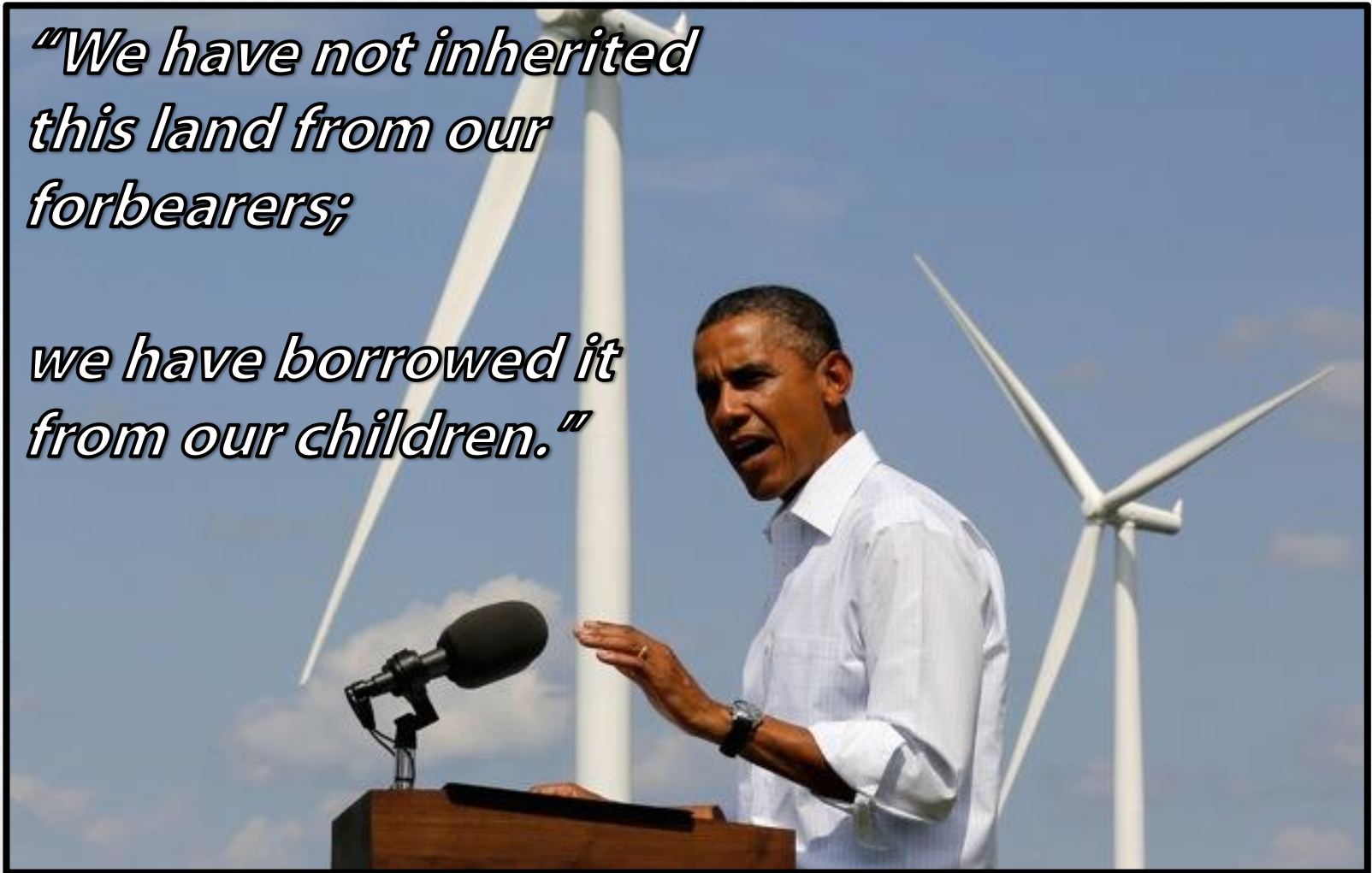


PHOTO COURTESY OF THE WHITE HOUSE

# Study/Media Tour on Innovation - Energy Policies and Technologies

Aug. 16 – 21, 2015



PHOTO COURTESY OF THE EMBASSY OF SWITZERLAND IN THE UNITED STATES



# Discussion & Questions?

Please connect with me



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