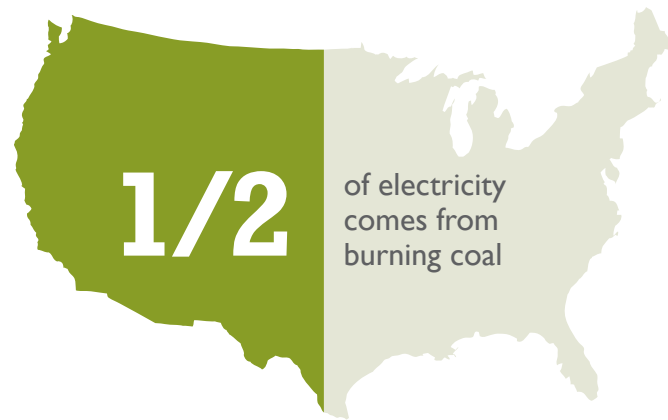


A look at the numbers...

See fact sources in notes section starting at page 416



Almost **half of America's electricity is produced by burning coal**—the country's greatest contributor to global warming.

10x

Amount of electricity wind power could provide compared to what the country requires today, according to a study by the US Department of Energy.

Today in the Appalachian region, more than

450 mountains

(an area estimated to be larger than **800 square miles**)

have been destroyed by mountaintop removal coal mining.

1/2

Amount of all new electricity generation projected to be from solar photovoltaic panels (PVs) by 2025.

1 million

New jobs that could be created by realizing our solar and wind potential in the US.

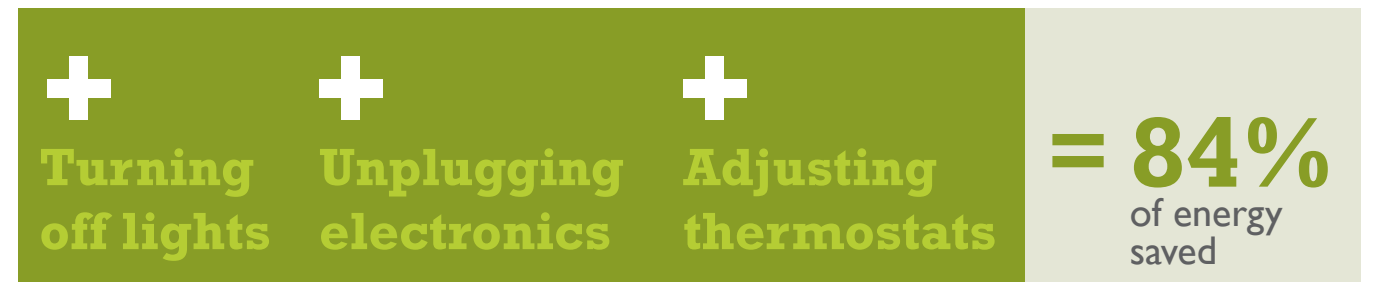
Today **we waste about the same amount of energy as we use**, so we produce twice the amount that we actually use.



11

Number of power plants worth of electricity that California saved through conservation efforts when faced with energy crunches in the earlier part of the decade.

Exemplifying the power of small acts, 84% of energy saved in California (when faced with an energy crisis) came from **simple behavioral modifications such as:**



The non-profit Apollo Alliance estimates that a

\$10 billion

federal investment in energy-efficient retrofit and conservation programs

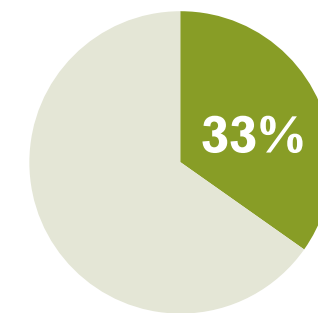
would result in more than

100,000 new jobs

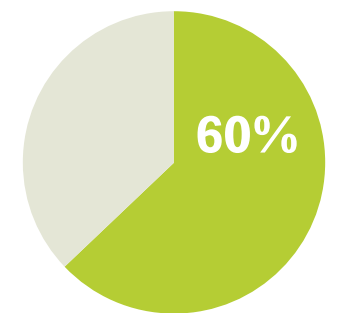
would reduce energy use in new and existing buildings by

30%

Our driving is a major factor in climate change. **The US transportation sector is responsible for:**



of carbon dioxide emissions



of domestic oil consumption

10.4 billion

Gallons of gas we would save if every American used public transportation one day a week instead of driving.

100 mpg

Future goal for average US fuel economy. A 100 mpg fleet would eliminate the need to import foreign oil and drop domestic production by 800 million barrels/year, while saving every household \$2,700 a year on gas.



Numbers Pages Notes

1. 'Half electricity comes from coal' see Union of Concerned Scientists, A Blueprint for a Clean-energy Economy, p. 210.
2. '10x wind' www.eia.doe.gov/oiaf/aeo/aeoref_tab.html, accessed September 20, 2010.
3. '84% saved' see Jeff Barrie, Building a Conservation Nation: What Is the Real Potential of Saving Energy?, p. 194.
4. '450 mountaintops' www.ilovemountains.org/resources/, accessed February 17, 2010.
5. '½ solar PV' Solar Energy Industries Association (SEIA). 2004. Our solar power future: The U.S. photovoltaics industry roadmap through 2030 and beyond.
6. '1 million' see Union of Concerned Scientists, A Blueprint for a Clean-energy Economy, p. 210.
7. 'Energy wasted = used & 11 plants' see Jeff Barrie, Building a Conservation Nation: What Is the Real Potential of Saving Energy?, p. 194.
8. 'Apollo Alliance' (all three): Apollo Alliance, "The New Apollo Program: Clean Energy, Good Jobs," September 2008, p. 6, <http://apolloalliance.org/downloads/fullreportfinal.pdf>, accessed February 17, 2010.
9. '33% and 60%' N. Lutsey & D. Sperling, "Greenhouse Gas Mitigation Supply Curve for the United States for Transport Versus Other Sectors," Transportation Research Part D 14 (2009): 222-229.
10. '10.4 billion gallons' Based on a driving population of 208 million people, the average driver driving 29 miles per day, the average driver would take public transportation 50 weeks per year, (www.bts.gov/programs/national_household_travel_survey/daily_travel.html) and public transit systems using the equivalent of 57 miles per gallon of gasoline (www.publictransportation.org/facts/).
11. '\$2,700' Based on oil consumption statistics from Energy Information Administration, "Oil FAQs," http://tonto.eia.doe.gov/ask/crudeoil_faqs.asp#foreign_oil, 2008.