A look at the numbers...

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

![Map of the United States with 1/2 shaded to indicate half of electricity comes from burning coal.](image)

**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.

![Wind power potential compared to electricity demand.](image)

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.

![Mountains damaged by mountaintop removal coal mining.](image)

**1/2**

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

![Solar panels representing new electricity generation.](image)

**1 million**

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

![SUNS (solar and wind) job creation potential.](image)

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

![Energy used vs. energy wasted.](image)

**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.

![California energy conservation.](image)

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:**

<table>
<thead>
<tr>
<th>+ Turning off lights</th>
<th>+ Unplugging electronics</th>
<th>+ Adjusting thermostats</th>
<th>= 84% of energy saved</th>
</tr>
</thead>
</table>

The non-profit Apollo Alliance estimates that a **$10 billion federal investment in energy-efficient retrofits and conservation programs** would result in **more than 100,000 new jobs** and **would reduce energy use in new and existing buildings by 30%**.

![Energy efficiency investment and job creation.](image)

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

- **33%** of carbon dioxide emissions
- **60%** 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.

See fact sources in notes section starting at page 416
Numbers

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 37 miles per gallon of gasoline (www.publictransportation.org/facts).