

# Ramping Up Renewables

An Infographic from the Union of Concerned Scientists

## Methodology and Data Sources

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The [Ramping Up Renewables infographic](#) is based largely on data and analysis contained in the UCS short report, [Ramping Up Renewables: Energy You Can Count On](#). Additional data sources are detailed below.

### Panel 1: Percent of electricity from wind and solar power in 2012

- U.S. States (Oregon, Idaho, Colorado, Minnesota, North Dakota, South Dakota, Iowa)
  - Energy Information Administration (EIA). 2013. Electric power monthly. Data for December 2012. Washington DC. Online at: [http://www.eia.gov/electricity/monthly/current\\_year/february2013.pdf](http://www.eia.gov/electricity/monthly/current_year/february2013.pdf)
- Germany: Solar and Wind Data
  - Burger, Bruno. 2012. Electricity production from solar and wind in Germany in 2012. Slide 7. Fraunhofer Institute For Solar Energy Systems ISE. Freiburg, Germany. Online at: <http://www.ise.fraunhofer.de/en/downloads-englisch/pdf-files-englisch/news/electricity-production-from-solar-and-wind-in-germany-in-2012.pdf>.
- Spain: Wind Data
  - European Wind Energy Association (EWEA). 2013. Wind in power: 2012 European statistics. Brussels. Online at: [http://www.ewea.org/fileadmin/files/library/publications/statistics/Wind\\_in\\_power\\_a\\_nnuual\\_statistics\\_2012.pdf](http://www.ewea.org/fileadmin/files/library/publications/statistics/Wind_in_power_a_nnuual_statistics_2012.pdf)
- Spain: Solar Data (\*\*Note: For Spain, we use 2011 generation data. The European Photovoltaic Industry Association reports that the solar industry added minimal new capacity in 2012, so 2012 generation approximately equals 2011 generation)
  - Energy Information Administration (EIA). 2012. International Energy Statistics. Data from 2011. Washington, DC. Online at: <http://www.eia.gov/cfapps/ipdbproject/iedindex3.cfm?tid=6&pid=36&aid=12&cid=SP.&syid=2011&eyid=2011&unit=BKWH>
  - European Photovoltaic Industry Association (EPIA). 2013. Market report 2012. Brussels, Belgium. Online at: <http://www.scribd.com/doc/125267115/Epia-Market-Report-2012>
- Denmark: Solar and Wind Data
  - Danish Energy Agency. 2013. Monthly electricity supply statistics: Data through December 2012. Copenhagen. Online at [http://www.ens.dk/da-DK/Info/TalOgKort/Statistik\\_og\\_noegletal/Maanedsstatistik/Documents/El-maanedsstatistik.xls](http://www.ens.dk/da-DK/Info/TalOgKort/Statistik_og_noegletal/Maanedsstatistik/Documents/El-maanedsstatistik.xls).
- U.S. Total: Solar and Wind Data

- Energy Information Administration (EIA). 2013. Electric power monthly. Data for December 2012. Washington DC. Online at:  
[http://www.eia.gov/electricity/monthly/current\\_year/february2013.pdf](http://www.eia.gov/electricity/monthly/current_year/february2013.pdf).

**Panel 2: We can dramatically expand renewable energy.**

- See [Ramping Up Renewables: Energy You Can Count On](#) for more details.

**Panel 3: If we make smart investments today, renewable energy can reliably provide 80% of U.S. electricity by 2050.**

- National Renewable Energy Laboratory (NREL). 2012. Renewable electricity futures study. NREL/TP-6A20-52409. Golden, CO. Online at [http://www.nrel.gov/analysis/re\\_futures/](http://www.nrel.gov/analysis/re_futures/).
- See [Ramping Up Renewables: Energy You Can Count On](#) for more details.