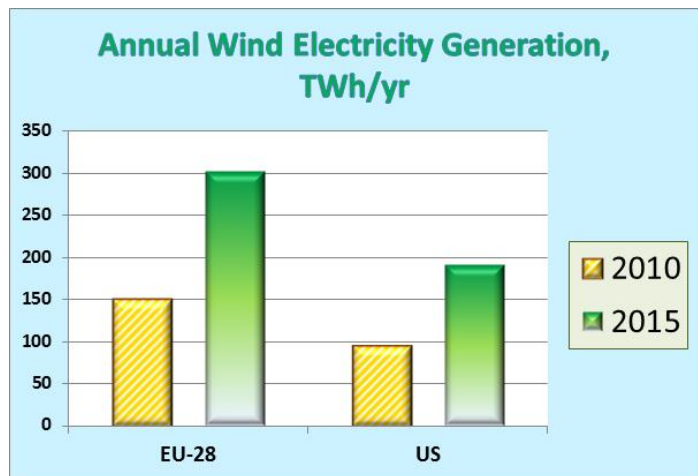


Wind Electricity Generation for the US and EU-28, 2015

Wind electricity generation has been growing dramatically this decade, and this brief note summarizes a few generation values of interest for the years 2010 and 2015 (beginning and middle of the decade).

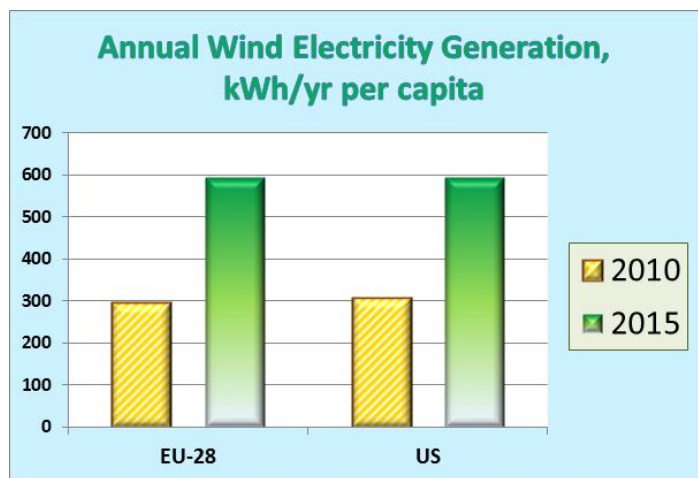
Photovoltaic electricity generation is less for both the United States and the EU-28 during this time, at about one-third of wind generation for the EU-28 in 2015, and about 15% of wind generation for the United States in 2015.

The first figure here shows annual wind electricity generation for both US and EU-28 totals, in TWh/yr, for the years 2010 and 2015. Annual total wind electricity production doubled for both entities from 2010 to 2015, and the growth rates appear to be continuing. Wind generation for the EU-28 increased from about 150 TWh/yr in 2010 to about 300



TWh/yr in 2015, while US production went from about 95 to about 190 TWh/yr. US wind electricity remains about two-thirds of EU-28 generation for both years.

Switching to a per-capita basis, the second figure shows that generation per capita is almost identical for both US and EU-28 annual totals, at about 300 kWh per capita in 2010, increasing to about 600 kWh per capita in 2015.



As a percent of total electricity generation, the EU-28 wind total is almost 12% of the overall EU-28 generation in 2015, while the US wind total is approaching 6% of the overall US generation total.

Total electricity generation for the EU-28 in 2015 was 2,575 TWh/yr, while US generation was 4,071 TWh/yr.

The growing share of electricity generation due to wind is leading to increased impacts on generation and transmission planning.