

## **Key State Energy Facts: ILLINOIS**

### *Sustainable Energy in America Factbook and State Energy Data Initiative*

The Business Council for Sustainable Energy (BCSE) has partnered with Bloomberg New Energy Finance (BNEF) to produce the fourth annual [Sustainable Energy in America Factbook](#). Authored by BNEF, the 2016 *Factbook* provides up-to-date market information on the US energy landscape over the 2007–2015 time period. The *Factbook* has a growing brand recognition, as it provides real time data and fills important data gaps in the areas of energy efficiency, renewable energy and natural gas.

Key trends in sustainable energy growth noted in the 2016 *Factbook* include:

- Investment in energy efficiency continues to pay dividends for the US economy. American energy productivity increased by 13% from 2007 to 2015.
- 2015 was a record year for natural gas production, consumption, flows to power generation and volumes into storage – demonstrating a robust and flexible system that is serving more customers than ever.
- Renewable energy is a prominent part (20%) of the US 2015 power fleet, with 222GW of installed capacity across the country, a 57% increase over 2008 levels, resulting in a diverse electricity portfolio that is reliable and reduces emissions and costs.

Please see below some key energy facts, which illustrate the shifting dynamics in the clean energy sector in the state of Illinois.

### **Key power system metrics, Illinois versus US average, 2013**

Metric	Units	Illinois	US average	Comment	Rank
Retail electricity prices	¢/kWh	8.0	10.1	<b>Below average</b> electricity prices	<b>44</b>
Generation from gas	%	3	28	<b>Below average</b> use of gas for electricity	<b>41</b>
Generation from gas and renewables	%	9	41	<b>Below average</b> use of gas and renewables for electricity	<b>47</b>
Energy efficiency score	ACEEE index	26	19.2	<b>Above average</b> on efficiency efforts	<b>10</b>
Utility energy efficiency budget	% state revenue	2.5	1.13	<b>Above average</b> utility efficiency budget	<b>12</b>
CO2 emissions rate	tCO2/MWh	0.46	0.52	<b>Cleaner than average</b> generation profile	<b>30</b>

*Source: Bloomberg New Energy Finance, EIA, ACEEE. Notes: US ranks are in descending order (ie, 1 being highest, 50 being lowest). For some metrics it is 'good' to have a high ranking (eg, generation from renewables, energy efficiency score); for other metrics it is 'good' to have a low ranking (eg, retail electricity prices, CO2 emissions rate).*