

2016 SUSTAINABLE ENERGY IN AMERICA

It is a new era for American energy. In 2015, increased use of sustainable energy set the stage for a U.S. triple play of carbon reductions, cost savings and economic growth.

THE SUSTAINABLE ENERGY TRANSFORMATION

The energy productivity of the U.S. economy has **INCREASED BY 13%** from 2007 to 2015, and **2.3%** since 2014.



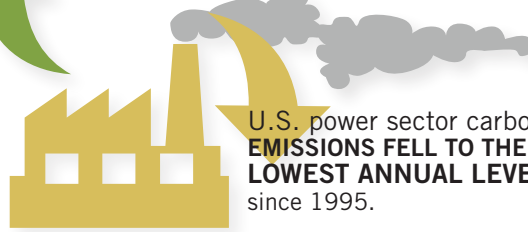
\$56 BILLION TOTAL U.S. INVESTMENT in clean energy in 2015, 2nd in the world, up 8% from 2014.



94% of new power capacity built in the U.S. since 2000 has come from natural gas and renewable energy.

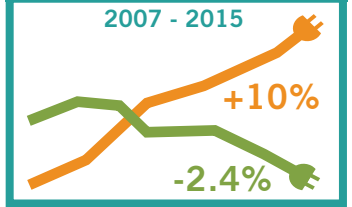


NATURAL GAS & RENEWABLE ENERGY generated more than 45% of U.S. electricity in 2015.



U.S. power sector carbon **EMISSIONS FELL TO THEIR LOWEST ANNUAL LEVEL** since 1995.

U.S. ENERGY USE DECLINED AND GDP INCREASED



ENERGY EFFICIENCY PAYS DIVIDENDS



BUILDINGS

10 states adopted more stringent residential and commercial building codes in 2015.

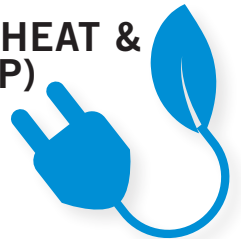
INVESTMENT

Energy efficiency investment by utilities & energy savings performance contracts totaled **\$13.1 BILLION** in 2014.



COMBINED HEAT & POWER (CHP)

CHP build up 25% in 2014 due to greater industrial demand.



RENEWABLE ENERGY POWERS MORE OF U.S. GRID

RENEWABLE ENERGY IS 20% OF THE U.S. 2015 POWER FLEET,

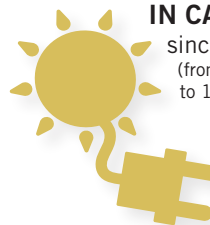
with 222GW installed capacity across the country, a 57% increase over 2008 levels.



HYDROPOWER is the largest source of U.S. renewable capacity at 79GW (excluding pumped storage)

WIND & SOLAR HAVE QUADRUPLED IN CAPACITY

since 2008 (from 26GW to 103GW).



BIOGAS, BIOMASS, GEOTHERMAL AND WASTE-TO-ENERGY represent 17GW of U.S. capacity and can provide power 24/7



NATURAL GAS PRODUCTION & CONSUMPTION REACH RECORD HIGHS

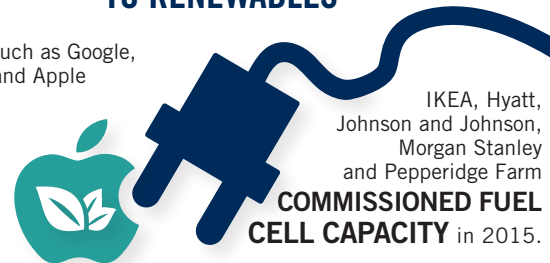
Natural gas production **INCREASED 7%** over 2014 levels, **26%** over 2007 levels.



Gas utility construction expenditures for distribution infrastructure **rose to \$9.7 billion** in 2014.

CORPORATIONS BUY-IN TO RENEWABLES

Major corporations such as Google, Amazon, Facebook and Apple contracted for **3.5GW** of new **RENEWABLE ENERGY CAPACITY** in 2015, mostly wind and solar.



IKEA, Hyatt, Johnson and Johnson, Morgan Stanley and Pepperidge Farm **COMMISSIONED FUEL CELL CAPACITY** in 2015.

2015 POLICIES BOLSTER TRANSITION TO LOW-CARBON ENERGY

- EPA's Clean Power Plan
- International Paris Agreement on Climate Change
- Multi-Year Clean Energy Tax Extensions



WHY THE FACTBOOK MATTERS

The Business Council for Sustainable Energy and Bloomberg New Energy Finance created the Factbook to arm policymakers, journalists and industry professionals with up-to-date, accurate market information about the U.S. energy landscape.
www.bcse.org/Sustainableenergyfactbook.html
 #factbook