



2014 SUSTAINABLE ENERGY IN AMERICA FACTBOOK

1 THE U.S. ENERGY TRANSFORMATION CONTINUES



40% **NATURAL GAS AND RENEWABLE ENERGY**
More than 40% of U.S. electricity generation in 2013

U.S. GHG emissions down nearly **10%** since 2005, **REVERSING DECADES OF INCREASES**



U.S. **ENERGY** use is down 5% from 2007 to 2013, while **GDP** grew by 6%

2 COST REDUCTIONS, INNOVATION DRIVING GROWTH OF RENEWABLE ENERGY TECHNOLOGIES



SOLAR MODULE PRICES declined 80% from 2008 to 2013



WIND TURBINE PRICES declined 35% from 2008 to 2013

3 NATURAL GAS PRODUCTION AND DEMAND SOAR

Natural gas consumption and production both reached **ALL-TIME HIGHS IN 2013**



\$15 BILLION

in investments in **MIDSTREAM NATURAL GAS** in 2012



NATURAL GAS use in **TRANSPORTATION** is up by 33% since 2007

4 ENERGY EFFICIENCY ADVANCEMENTS CONTINUE

Energy service companies and electric and gas utilities

SPENT MORE THAN \$12 BILLION in 2012 on energy efficiency



GASOLINE CONSUMPTION DOWN 7.7% since 2005

WHY?

FUEL EFFICIENCY IMPROVEMENTS in conventional vehicles, **CHANGING CONSUMER BEHAVIOR**, and a turn towards **NEW FUELS AND NEW TECHNOLOGIES**



5 DISTRIBUTED GENERATION EMERGED AS A TRANSFORMATIVE PHENOMENON



8%

of U.S. generating capacity is represented by combined heat and power plants

\$6.7 BILLION raised by financiers since 2008 for **SMALL-SCALE SOLAR SYSTEMS**

6 STABLE POLICIES CRITICAL FOR GROWTH



50%

Solar tax credits helped propel a dramatic **50% INCREASE** in **CUMULATIVE SOLAR INSTALLATIONS** last year.

7 AMERICA'S ENERGY TRANSFORMATION IS SET TO CONTINUE

↑54%

Bloomberg New Energy Finance's **GLOBAL INDEX OF CLEAN ENERGY COMPANIES** ROSE NEARLY 54% IN 2013, far outpacing the nearly 30% rise in the S&P 500 index



WHY THE FACTBOOK MATTERS

The Business Council for Sustainable Energy and Bloomberg New Energy Finance created the Factbook report series to arm policymakers, journalists and industry professionals with up-to-date, accurate market intelligence. The report offers a uniquely comprehensive look at the energy sector, covering natural gas, large-scale renewables and hydropower, distributed power, and demand-side energy efficiency.

For more information, please visit www.bcese.org/sustainableenergyfactbook.

