



U.S. DEPARTMENT OF  
**ENERGY**

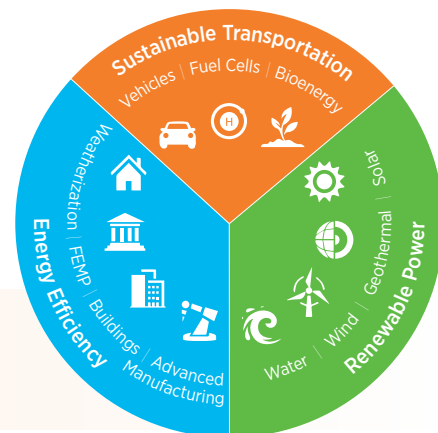
Energy Efficiency &  
Renewable Energy



MARRAKECH COP22/CMP12  
UN CLIMATE CHANGE CONFERENCE 2016  
مؤتمر الأمم المتحدة للتغير المناخ  
2016



The Office of Energy Efficiency and Renewable Energy (EERE) is attending COP22, the United Nations' annual climate change conference, held this year in Morocco. Below are some of our office's top clean energy successes.



## Sustainable TRANSPORTATION



Energy Department research has helped reduce production costs of automotive lithium-ion batteries by

**~70%**  
since 2008



More than

**20,000**  
electric charging  
units

[http://www.afdc.energy.gov/fuels/stations\\_counts.html](http://www.afdc.energy.gov/fuels/stations_counts.html)



Technologies modeled to produce cellulosic ethanol at commercial scale

**≤\$2.15/gal**  
gasoline equivalent



## Renewable ENERGY



Energy Department helped progress the solar industry by

**~12 years**

PV cost per watt = \$1.92  
in (2008)



**The wind industry**  
employed more than  
**80,000**

full-time workers in 2012  
Source: 2012 Market Report



Generation  
increased by

**7% to  
40%**

at seven large  
hydropower projects



## Energy EFFICIENCY



Energy Department funded R&D in solid-state lighting over the past

**10 years**

has yielded energy  
savings of more than

**\$1 billion**



In 2014,  
the Building Technologies Office's  
Appliance Standards Program issued  
**seven final rules**  
that are expected to have a  
**total utility bill savings of**  
**\$49 billion**  
for U.S. consumers from 2014-2030.

Since 1979:



**220  
new**

energy-efficient  
manufacturing  
technologies



Received  
**78 R&D 100 Awards**