

2013 Annual Merit Review  
U.S. Department of Energy Hydrogen and Fuel  
Cells Office and Vehicle Technologies Office

Dr. David Danielson  
Assistant Secretary for Energy Efficiency and  
Renewable Energy  
May 13, 2013

# Presidential Commitment



**“We’ve got to invest in a serious, sustained, all-of-the-above energy strategy that develops every resource available for the 21st century.”**

*– President Barack Obama*

“We have a choice. We can remain the world's leading importer of oil, or we can become the world's leading exporter of clean energy. We can hand over the jobs of the future to our competitors, or we can confront what they have already recognized as the great opportunity of our time: the nation that leads the world in creating new sources of clean energy will be the nation that leads the 21st century global economy. That's the nation I want America to be.”

*– President Obama, Nellis Air Force Base, Nevada, 5/27/09*

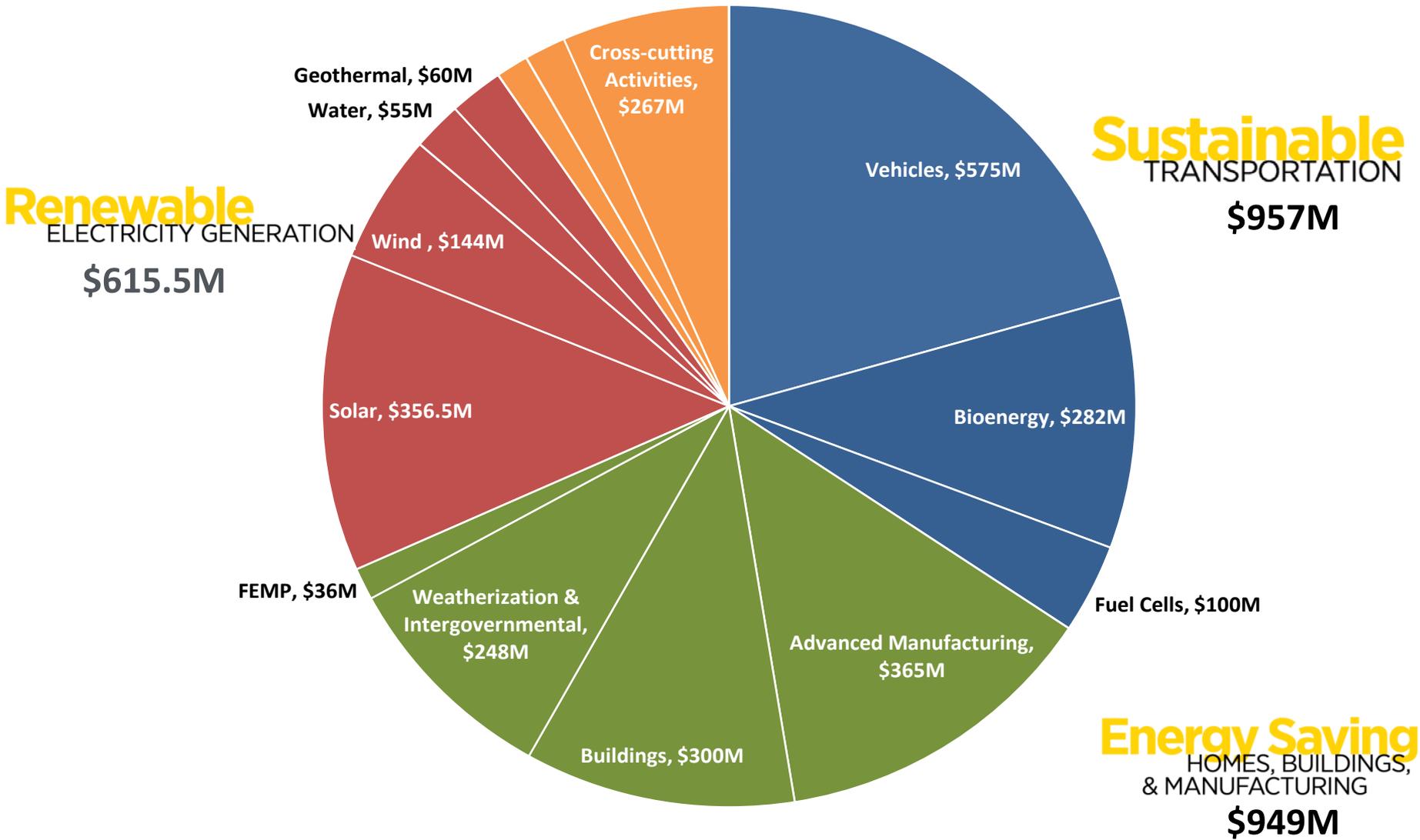
# Sustainable TRANSPORTATION

# Renewable ELECTRICITY GENERATION

# Energy Saving HOMES, BUILDINGS, & MANUFACTURING



# Fiscal Year 2014 EERE Budget Request - \$2.78B

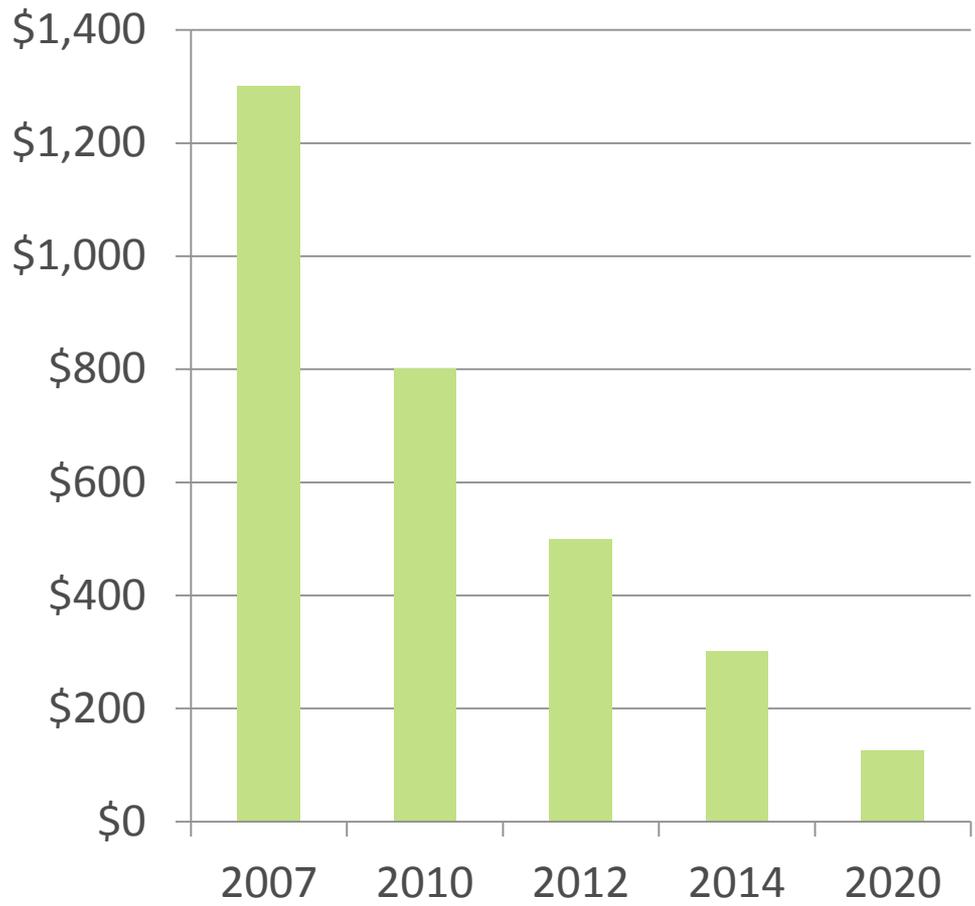


# EERE Transportation Sector Accomplishments



1,400 fuel cost-shared fuel cell deployments led to 5,000 additional fuel cells with NO DOE FUNDING

## Battery Costs On Track to Meet 2015 Goal of \$300/kWhr



# EERE Focus: Manufacturing Competitiveness

## Clean Energy Manufacturing Initiative

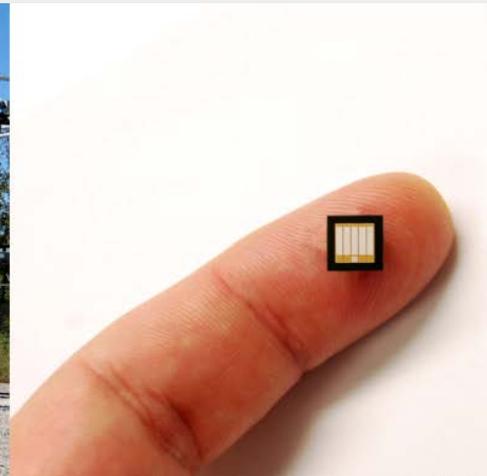


## National Network for Manufacturing Innovation



# EERE NNMI: Wide Band Gap Power Electronics

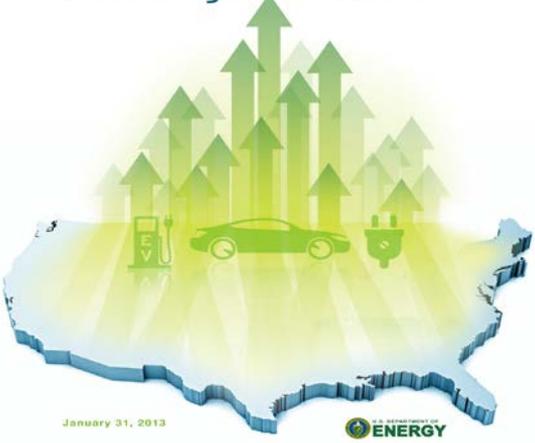
**\$70M**  
**WBG Power Electronics**  
**Manufacturing**  
**Innovation Institute**



*8000 lbs, 60 Hz Distribution Transformer*

# EV-Everywhere Grand Challenge

EV grand challenge blueprint  
Everywhere



Enable the U.S. to be the first in the world to produce plug-in electric vehicles that are as affordable and convenient as gasoline-powered vehicles within the next 10 years

## 31 Partners



## 10 Ambassadors



Workplace Charging Challenge

# U.S. Agreement Signed for H<sub>2</sub> Infrastructure

The logo for H2 USA features the text "H2 USA" in a bold, sans-serif font. The "H" and "A" are blue, the "2" is red, and "USA" is blue. The logo is centered on a white background with a subtle drop shadow.

**Goal:** Promote the commercial introduction and widespread adoption of FCEVs across America through creation of a public-private partnership to overcome the hurdle of establishing *hydrogen infrastructure*.

# Sustainable TRANSPORTATION



# Thank You

## Dr. David Danielson

*Assistant Secretary for Energy Efficiency  
and Renewable Energy*

# Backup Slides

# Thank You

Strategy

**Critical**

**VITAL**

**targets**

Next-generation

**GOALS**

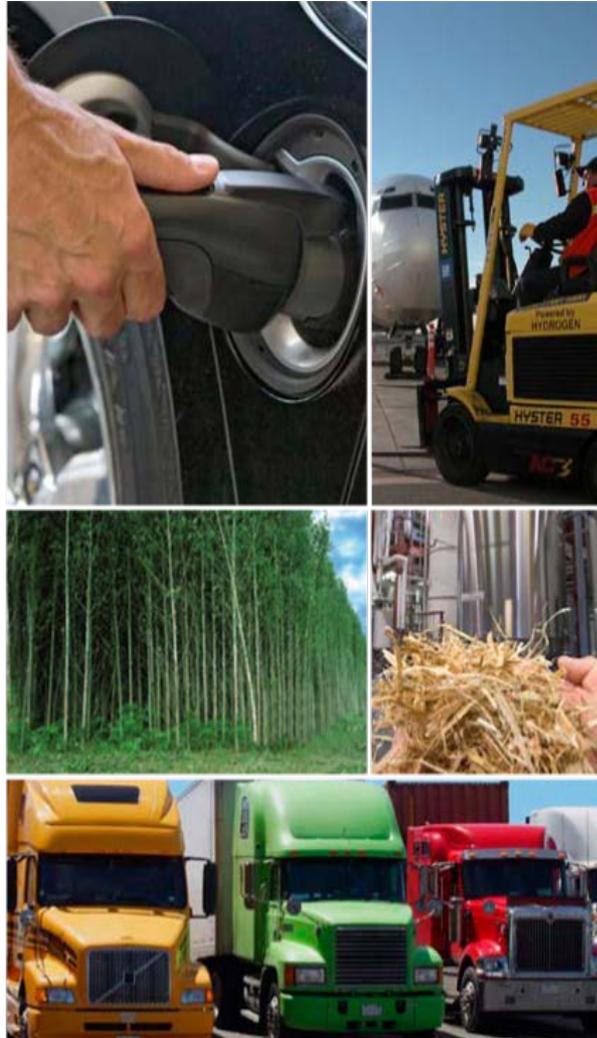
*innovative*

**Cutting-edge**

**demonstrate**

***advanced***

**Sustainable**  
TRANSPORTATION



**all-of-the-above**

**ACTIVE PROJECT MANAGEMENT**

**Crucial**

**R&D**

**Essential**

**FUNDAMENTAL**

**KEY**

Imperative

**objectives**

**TACTICS**