

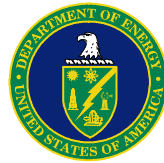


U.S. Department of Energy
**Energy Efficiency
and Renewable Energy**

Bringing you a prosperous future where energy
is clean, abundant, reliable, and affordable

Economic Recovery from Clean Energy Technologies

Mark Ginsberg
U.S. Department of Energy



March, 2009





Facing our Economic Crisis

*“Everywhere we look there is work to be done. The state of our economy calls for action, bold and swift. And we will act, not only to create new jobs, but to lay a new foundation for growth. We will build roads and bridges, the electric grids and digital lines that feed our commerce and bind us together. We’ll restore science to its rightful place, and wield technology’s wonders to raise health care’s quality and lower its cost. **We will harness the sun and the winds and the soil to fuel our cars and run our factories.** And we will transform our schools and colleges and universities to meet the demands of a new age. All this we can do. All this we will do.*

President Barack Obama
Inaugural Address, January 20, 2009





Facing our Energy Challenges

“The energy challenges our country faces are severe and have gone unaddressed for far too long. Our addiction to oil doesn’t just undermine our national security and wreak havoc on our environment – it cripples our economy and strains the budgets of working families all across America.”

“President Obama and Vice President Biden have a comprehensive plan to invest in alternative and renewable energy, end our addiction to foreign oil, address the global climate crisis and create millions of new jobs.”

White House Energy Statement



President Barack Obama



U.S. Department of Energy

Energy Efficiency and Renewable Energy

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Facing Climate Change

“The United States will no longer sit on the sidelines of climate discussions.”

White House Energy Statement



President Barack Obama



Comprehensive Energy Plan

- *Help create five million new jobs by strategically investing \$150 billion over ten years to catalyze private efforts to build a clean energy future*
- *Within 10 years save more oil than we currently import from the Middle East and Venezuela combined*
- *Put 1 million Plug-In Hybrid cars that can get up to 150 MPG on the road by 2015*
- *Ensure that 10% of our electricity comes from renewable sources by 2012 and 25% by 2025*
- *Implement an economy-wide cap-and-trade program to reduce greenhouse gas emissions 80% by 2050*



President Barack Obama

- *White House Website: Energy Statement*



American Recovery and Reinvestment Act Energy Actions

- *Double alternative energy in next three years*
- *Modernize 75% of federal buildings*
- *Improve energy efficiency of 2 million homes*
- *Build solar panels and wind turbines*
- *Construct fuel-efficient cars and buildings*
- *Develop new energy technologies that will lead to even more jobs, more savings, and a cleaner, safer planet*



President-Elect Barack Obama

Statement Supporting the Legislation

January 8, 2009



Using New Technology

“We're using 19th and 20th century technologies to battle 21st century problems like climate change and energy security.”

Remarks of President Barack Obama
Signing of the American Recovery and
Reinvestment Act

February 17, 2009





New Secretary of Energy Steven Chu

- Former Director of the Lawrence Berkeley National Laboratory
- Nobel Prize winner in Physics – 1997
- Confirmed by Congress to be Secretary of Energy on January 20, 2009





International Energy Cooperation

- Strategic Partnerships

IPHE IPEEC

IEA APEC

- Bi-Lateral Energy Policy Dialogues

China, India, Brazil, Sweden

Industrial, Transportation, Buildings, Renewables, etc

- Asia Pacific Partnership on Clean Development and Climate

China, India, US, Japan, S Korea, Canada and Australia

Promotes EE and RE in 8 Task Forces



Strategies for Sustainable Cities

Increase Supplies

- **Utilize Alternative Energy**
 - Solar
 - Wind
 - Geothermal
 - Biomass and Alternative Fuels

Apply Advanced Technologies

- **Industrial Energy**
- **Zero Energy Buildings**

Zero Energy Communities