

Implementing the American Recovery and Reinvestment Act

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The American Recovery and Reinvestment Act of 2009 (Recovery Act)

- President Obama signed this unprecedented effort into law on February 17, 2009:
 - Transforms the way we use energy
 - Helps reduce our carbon emissions
 - Creates entire new industries based on our nation's resources, ingenuity, and workers
 - Turns economic crisis into an opportunity to build a clean, secure, and prosperous energy future

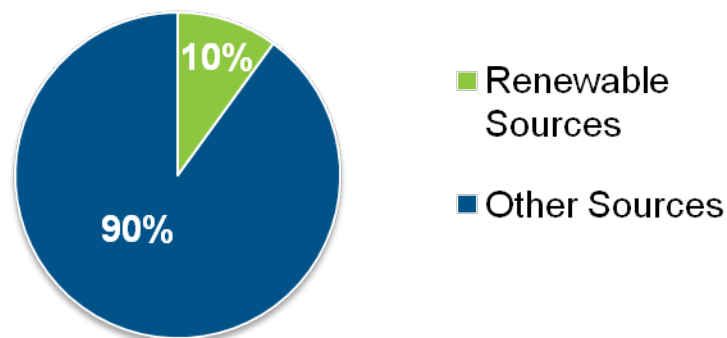




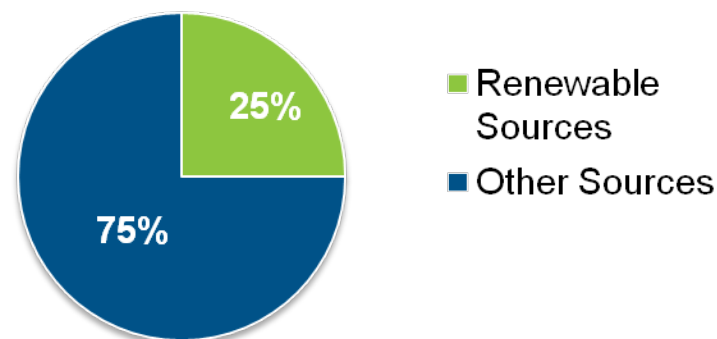
The Administration's Energy Goals

- Ensure 10 percent of our electricity comes from renewable sources by 2012, and 25 percent by 2025
- Achieve an 80 percent reduction in greenhouse gases by 2050
- Work with Smart Grid Technologies to integrate previously underserved areas with Green Energy

Electricity Sources in 2012



Electricity Sources in 2025





Energy-related Provisions in the Recovery Act ~\$100B

Energy-related tax
incentives and
revisions \$22 billion



Direct funding to the
Department of Energy
\$39 billion

Energy-related funding to
other agencies
\$29 billion

Energy-specific funding
to other agencies
\$7 billion



Energy Efficiency and Renewable Energy

Energy Efficiency

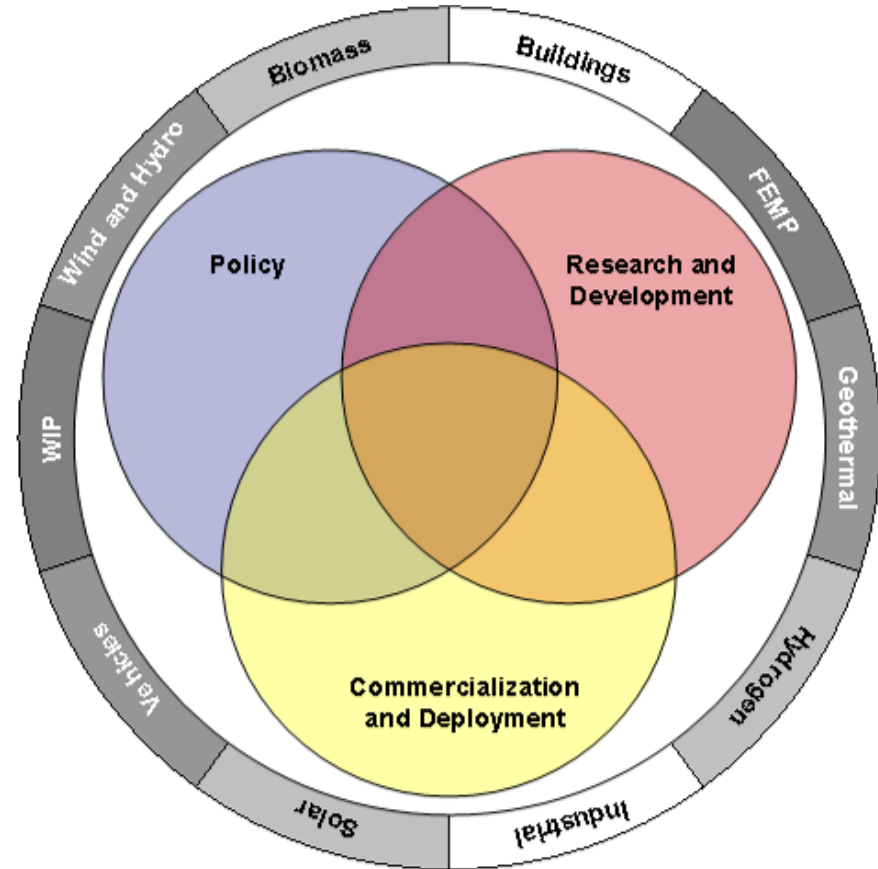
- Buildings Technologies
- Industrial Technologies
- State Energy Program
- Weatherization
- Federal Energy Management

Power Generation

- Geothermal
- Wind
- Solar
- Water Power

Fuels & Vehicles

- Biomass/Biofuels
- Hydrogen
- Vehicle Technologies



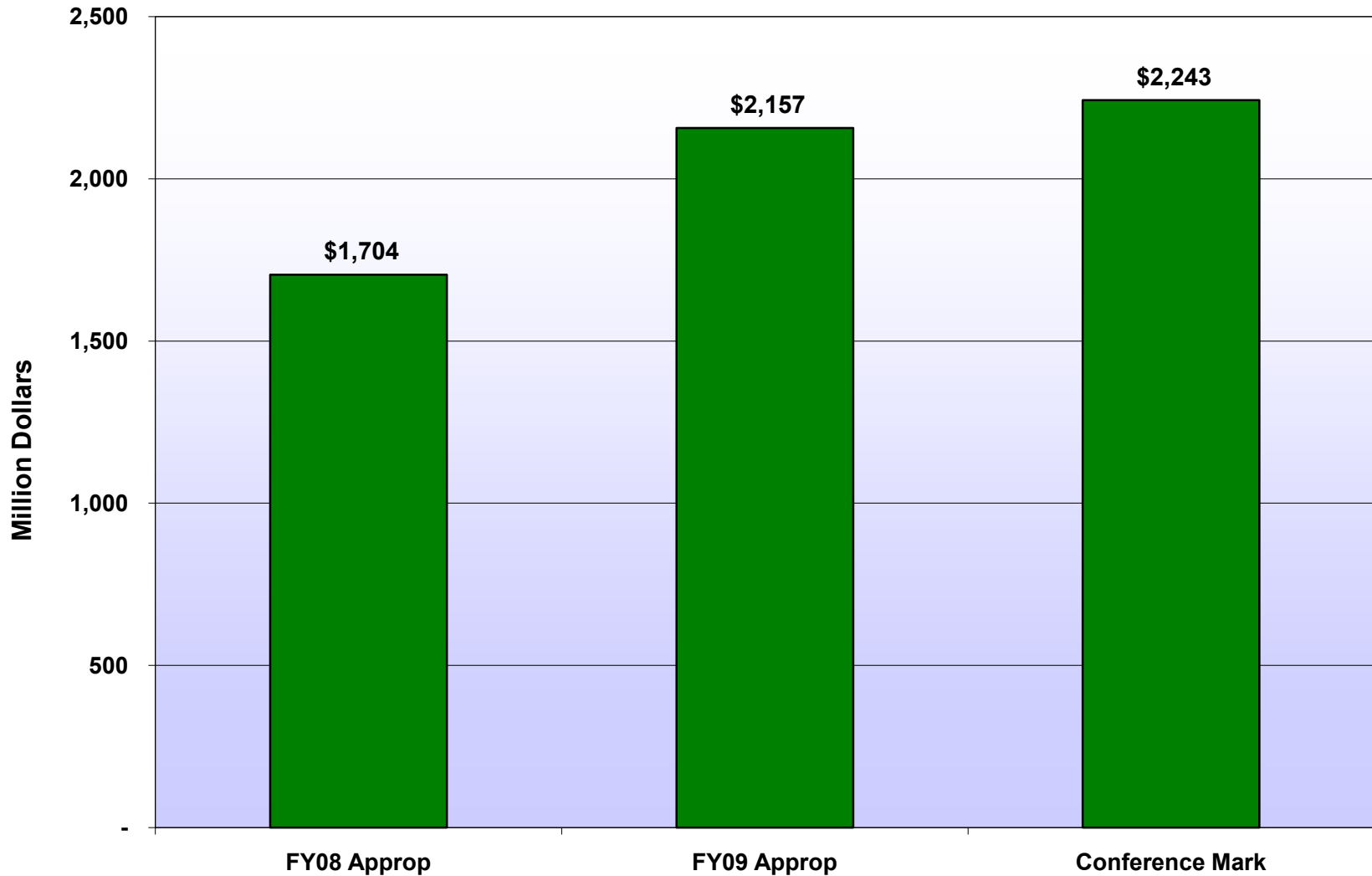


Energy Efficiency and Renewable Energy (EERE) Recovery Act funding

EERE RD&D			\$2.5B
	Biomass	\$800M	
	Geothermal	\$400M	
	Information & Communications Tech.	\$50M	
	EERE Discretionary Funding	\$1.25B	
Energy Efficiency Conservation Block Grants			\$3.2B
State Energy Program			\$3.1B
Weatherization Assistance			\$5.0B
Energy Efficient Appliance and ENERGY STAR Rebates			\$300M
Alternative Fuel Vehicle Grant Program			\$300M
Advanced Battery Manufacturing Grants			\$2.0B
Transportation Electrification Grants			\$400M
EERE Total:			\$16.8B



EERE Budgets – Fiscal Years – 2008 - 2010





Fiscal Year 2010 Budget - \$2,242 Million

Programs	FY 2008	FY 2009		FY 2010
	Approp.	Omnibus Approp.	Recovery Act	Conference Mark
Biomass and Biorefinery R&D	195,633	214,245	777,138	220,000
Vehicles Technologies	208,359	267,143	2,798,749	311,365
Hydrogen and Fuel Cell Technologies	206,241	164,638	42,967	174,000
Geothermal Technology	19,307	43,322	393,106	44,000
Solar Energy	166,320	172,414	115,963	225,000
Water Power	9,654	39,082	31,667	50,000
Wind Energy	49,034	54,370	106,932	80,000
Buildings Technologies (includes HUB)	107,382	138,113	337,811	200,000
Federal Energy Management Program	19,818	22,000	22,388	32,000
Industrial Technologies	63,192	88,196	261,501	96,000
Weatherization & Intergovernmental	282,217	516,000	11,566,875	270,000
Total, EERE	1,704,112	2,156,865	16,771,907	2,242,500



Competitive Funding Available from DOE

- **Contracts, Grants, Cooperative Agreements**
 - To companies, universities, and other entities for research and development, and industrial energy efficiency projects
- **Loan Guarantees**
 - To promote the rapid deployment of renewable energy systems that generate electricity or thermal energy, electric power transmission systems, and certain leading-edge biofuel projects
- **Energy Grant Programs**
 - Administered by state and local governments—Weatherization Assistance Program, Energy Efficiency Community Block Grants Program, and State Energy Program



State Energy Program (SEP)

- Federal financial and technical assistance
 - To develop and deploy energy efficiency technologies and accelerate market penetration
- High impact areas
 - Revolving loans, on-bill financing strategies and performance contracting
 - Energy efficient building codes and standards
 - Building and Industrial retrofits

MARCH 12, 2009

DOE Announced Nearly \$3 Billion under SEP

Energy Efficiency and Conservation Block Grant Program (EECBG)

- Formula grants that support energy audits, efficiency retrofits, improved building codes, etc.
- \$3.2 billion for the EECBG Program
 - Nearly \$2.7 billion will be distributed through formula grants
 - \$1.9 billion - cities and counties
 - \$770 million - states, U.S. territories, and the District of Columbia
 - \$54 million - Indian tribes
 - Balance of \$455 million through competitive grants

MARCH 26, 2009

DOE Announced \$3.2 Billion for EECBG



Energy Grant Programs – Colorado

- Energy Efficiency Conservation Block Grants
 - \$42,61,700
- Recovery Act Appropriations
 - State Energy Program: \$49,222,000
 - Weatherization Program: \$79,531,213
- Regular 09 Appropriations
 - State Energy Program : \$391,000
 - Weatherization Program : \$3,129,479



Other DOE Recovery Act Programs

- **\$4.5 Billion for Electricity Delivery and Energy Reliability RDD&D Partnerships**
 - Projects to modernize the nation's electricity delivery systems through competitive, cost sharing, partnership arrangements
 - Distributed energy
 - energy storage to help balance electricity output with demand
 - smart grid technologies
- **\$3.4 Billion for Fossil Energy**
 - \$800 million for the Clean Coal
 - \$1.52 billion for carbon capture
 - \$50 million for site characterization activities in geologic formations;
 - \$20 million for geologic carbon sequestration training and research

Recovery Act Tax Provisions on Clean Energy

Production Tax Credit

- Extension (through 2012 for wind, through 2013 for biomass, geothermal, small irrigation, landfill gas, trash combustion, and hydropower facilities)
- Grants in lieu of Tax Credits

Investment Tax Credit

- Extended 8 years for solar in 2008 legislation
- ITC credit in lieu of PTC credit

Manufacturing Tax Credit

- New 30% tax credit to encourage new manufacturing facilities

Renewable Energy Tax Credit Caps

- Eliminates caps on credits for small wind, solar water heating, and geothermal heat pumps

Clean Renewable Energy Bonds

- \$1.6 billion is added for new Clean Renewable Energy Bonds for wind, biomass, geothermal, small irrigation, hydropower, landfill gas, marine renewable, and trash combustion facilities



How to apply for a grant or loan guarantee from DOE

- Track funding opportunity announcements through:
 - All types—energy.gov/recovery/funding.htm
 - Grants—grants.gov
 - Contracts—fbo.gov
 - Loan guarantees—energy.gov/recovery/funding.htm.
- For first-time applicants, register before submitting applications
 - Register early to be ready when opportunities are announced (process can take 3 days to 2 weeks)
 - Read registration instructions carefully



Applying for grants administered by states or local governments

- Apply directly to state energy office or local government entity
- Go to energy.gov/recovery/ to find link to your state energy office

Our commitment to you

EERE will implement

the **Recovery Act**

with speed, transparency, and
accountability.



Questions



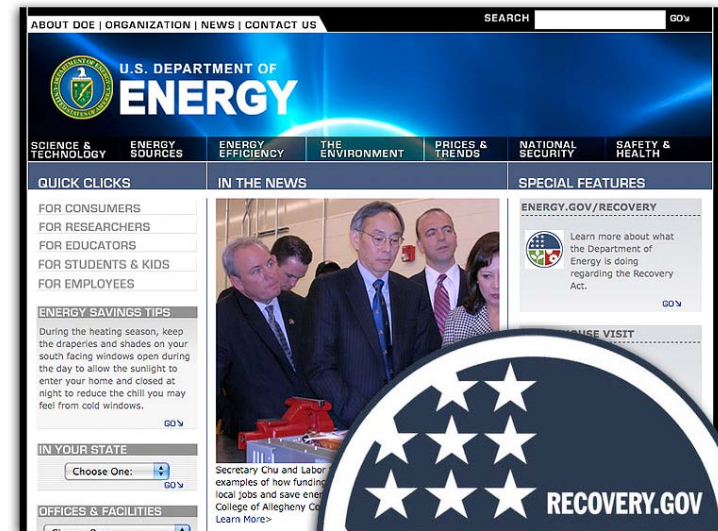
Tracking our progress

The American people want to know who is receiving the money, and they want to know they are receiving value for their hard-earned tax dollars

Everything we do will be transparent:

- Posting weekly updates on the Web site
- Upgrading the Web site and setting up a call center to handle the activity

Visit recovery.gov or energy.gov/recovery/ to stay informed





For more information

- If you have questions about the Recovery Act and the funding allotted DOE, visit www.energy.gov/recovery or call the DOE's Recovery Act Clearinghouse at 888-DOE-RCVY (1-888-363-7289)



EERE Points of Contact

- General Information - EERE Information Center at <http://www1.eere.energy.gov/informationcenter/> or 1-877-EERE-INF
– (1-877-337-3463)
- Biomass and Biorefinery Systems – Shab Fardanesh, 202-586-7011, shabnam.fardanesh@ee.doe.gov
- Building Technologies – Bryan Berringer, 202-586-0371, bryan.berringer@ee.doe.gov
- Facilities and Infrastructure – Greg Collette, #303-275-4734, greg.collette@go.doe.gov
- Federal Energy Management Program – Brad Gustafson, 202-586-5865, brad.gustafson@ee.doe.gov
- Geothermal Technology – Lauren Boyd, 202-287-1854, lauren.boyd@ee.doe.gov
- Hydrogen Technology – Sara Dillich, 202-586-7925, sara.dillich@ee.doe.gov



EERE Points of Contact - continued

- Hydropower – Alejandro Moreno, 202-586-8171, alejandro.moreno@ee.doe.gov
- Industrial Technologies – Jim Quinn, 202-586-5725, james.quinn@ee.doe.gov
- Solar Energy – Charles Hemmeline, 202-586-6646, charles.hemmeline@ee.doe.gov
- Vehicle Technologies – William Key, 202-586-3157, william.key@ee.doe.gov
- Weatherization and Intergovernmental Activities --
 - Ronald Shaw, 202-586-6593, ronald.shaw@hq.doe.gov (for Weatherization)
 - Mark Bailey, 202-586-9424, mark.bailey@hq.doe.gov (Block Grants, State Energy Programs, and Appliance Rebates)
- Wind Energy – Jim Ahlgrimm, 202-586-9806, jim.ahlgrimm@ee.doe.gov
- EERE Backup (If the team has questions, any contact is unreachable, or the answer is unresponsive) Michael York, 202-586-5669, michael.york@ee.doe.gov



American Recovery and Reinvestment Act of 2009

