

Implementing the American Recovery and Reinvestment Act

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

CEE Program Meeting

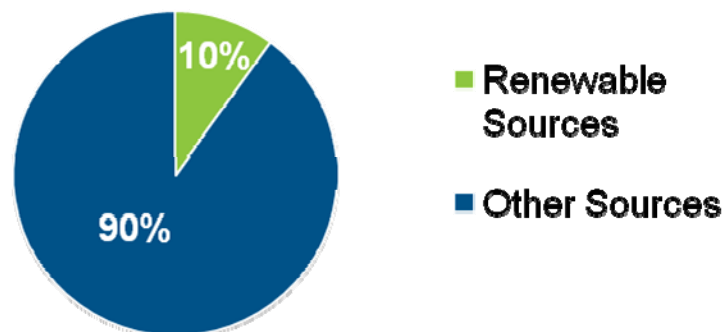
Boston, MA
June 3, 2009

Bryan Berringer
U.S. Department of Energy

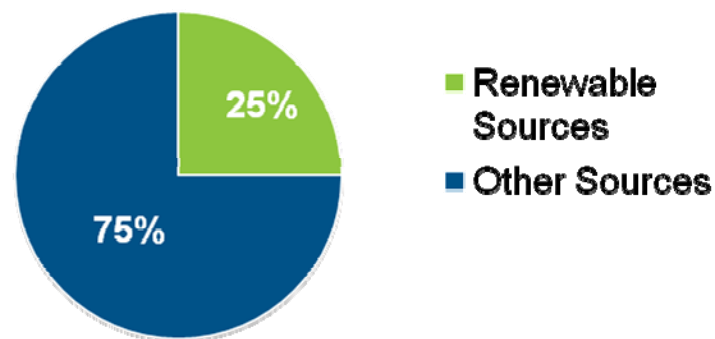
The Administration's Energy Goals

- 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

Electricity Sources In 2012



Electricity Sources In 2025



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

- President Obama signed this unprecedented effort into law on February 17, 2009:
 - Jumpstarts our economy, create or save millions of jobs, and put a down payment on addressing long-term challenges, so our country can thrive in the 21st Century
 - Requires the hard work and collaboration of homeowners, scientists, local and state governments, small businesses, industry, and many others



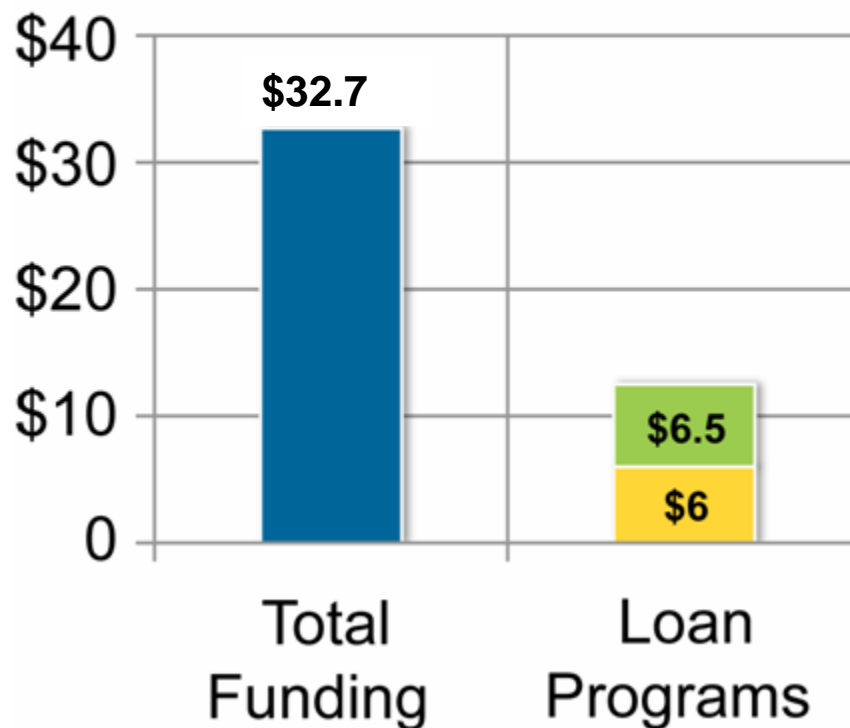
DOE Recovery Act funding

Total—\$32.7 billion
(excluding loan programs)

Loan programs—\$12.5 billion

- Rapid deployment of renewable energy systems—\$6 billion
- DOE power administration borrowing authority—\$6.5 billion

DOE Recovery Act Funding
(in billions)





Types of funding available from DOE

- **Grants; contracts; cooperative agreements;** and other transactions to companies, universities, and other entities selected through a competitive process for research and development, and industrial energy efficiency projects
- **Loan guarantees,** selected through a solicitation process, to promote the rapid deployment of renewable energy systems that generate electricity or thermal energy (or facilities manufacturing related components), 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

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



Types of state and local projects

- State and local building retrofits that are ready to start
- Residential energy efficiency programs—energy audits and financial incentives
- Programs incorporating sustainable strategies—performance contracting, state procurement standards, revolving loan programs, and transportation initiatives that will provide long-term dividends



The State Energy Program

- Congress created the State Energy Program (SEP) in 1996 by consolidating the State Energy Conservation Program and the institutional Conservation Program to:
 - Encompass both renewable energy and energy efficiency technologies and address all sectors of the economy
 - Fund states to carry out their own clean energy programs and projects

MARCH 12, 2009

DOE Announced Nearly \$3 Billion under SEP

State Energy Program: \$3.1 Billion

- Recipients: States, DC & Territories (formula grants – no matching)
 - 56 of 56 Applications received (55 awards at 10% level)
- Allowed Activities:
 - Energy efficiency and renewable energy technology
 - Transportation measures
 - Industrial retrofits
 - Revolving loans
 - On-bill financing strategies
- Timeline:
 - Funding announced: March 20, 2009
 - Applications/Plans due: May 12, 2009
 - DOE reviewing proposals due: May 29, 2009
 - Next step issue funds

How the State Energy Program works

- SEP distributes financial assistance to the states, District of Columbia, and territories (American Samoa, Guam, Puerto Rico, U.S. Virgin Islands, and the Northern Mariana Islands) through formula grants
- States develop energy efficiency and renewable energy projects that meet their unique energy needs and are consistent with national energy goals





Weatherization Assistance Program

- The program helps low-income households improve the efficiency of their homes
- Funds are allocated to the states, which distribute funds to local agencies
- Low-income families save an average of \$350 or more each year on their energy bills after their homes have been weatherized. These homes avoid an estimated 1.79 tons of carbon dioxide emissions annually.

MARCH 12, 2009

DOE Announced Nearly \$5 Billion for Weatherization

Weatherization Assistance: \$5.0 Billion

- Recipients: States, DC & certain Native American tribes (per existing allocation formula)
 - 55 of 58 Applications received (58 at 10% initial funding level)
- Changes to the Program:
 - Serve more homeowners – Qualifying income level increased from 150% of poverty to 200%
 - Install more measures - Per-home spending raised from \$2,500 to \$6,500
 - Provide more Training & Technical Assistance – DOE can spend up to 20% of funds on training (up from 10%)
- Timeline:
 - Funding announced: March 12, 2009
 - Initial Application Due Date: 3/23/2009
 - Comprehensive Application Due Date: 05/12/2009
 - DOE reviewing proposals due: May 29, 2009
 - Next step issue funds

Energy Efficiency and Conservation Block Grants program

- Formula grants that support energy audits, efficiency retrofits, improved building codes, etc.
- Applies to cities and counties nationwide. Smaller cities and counties can work through state energy offices to access the funds
- Drives significant improvements in energy efficiency and renewable energy at the local level—high return projects

MARCH 26, 2009

DOE Announced \$3.2 Billion for EECBG

EE and Conservation Block Grant: \$3.2 Billion

- Recipients: States, U.S. Territories, Tribes, Cities, and Counties (Formula – most goes to cities and counties)
 - Total number of eligible entities: 2,327
 - 40 Applications received to date
- Allowed Activities:
 - Energy efficiency in buildings, transportation, other
- Timeline:
 - Announced: March 26, 2009
 - Applications Due: June 26, 2009
 - Funds must be spent within 36 months

Smart Grid Funding (OE)

- Vice President Joe Biden outlined plans to distribute more than \$3.3 billion in smart grid development grants and an \$615 million for smart grid storage, monitoring and technology viability.
- This money will help develop a smart, strong and secure electrical grid, which will create new jobs and help deliver reliable power more effectively with less impact on the environment to customers across the nation.

“By investing in updating the grid now, we will lower utility bills for American families and businesses, lessen our dependence on foreign oil and create good jobs that will drive our economic recovery – a strong return on our investment.”

- Vice President Biden



Appliance Rebate Program \$300 Million

- Recipients: States and U.S. Territories – per formula
- Cost Sharing: Yes, structure TBD
- Allowed Activities:
 - Rebates for ENERGY STAR appliances
 - Supplement existing programs
 - Target replacement of existing appliances
 - Proper disposal/recycling of old units
- Timeline:
 - Announcement: TBD
 - Applications due: TBD
 - Funding Awarded: TBD





Significant Funds Available for States

Example: Massachusetts could receive **\$244.2 Million**

- Energy Efficiency and Conservation Block Grant \$42.2M
- State Energy Program \$54.9M
- Weatherization Assistance Program \$122.1M
- Facilities and Wind \$25M
- + additional funds for ENERGY STAR Rebates

(Information available at <http://www.energy.gov/recovery>)

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 (Federal Business Opportunities)
 - 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

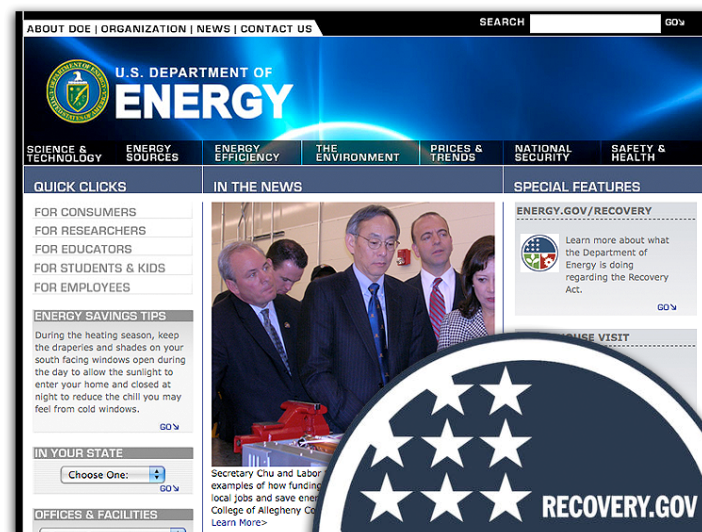
Tracking our progress

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



Department of Energy Points of Contact

- Building Technologies – Bryan Berringer, 202-586-0371, bryan.berringer@ee.doe.gov
- Industrial Technologies – Jim Quinn, 202-586-5725, james.quinn@ee.doe.gov
- Weatherization – Ronald Shaw, 202-586-6593, ronald.shaw@ee.doe.gov
- Energy Efficiency and Conservation Block Grants – Mark Bailey, 202-586-9424, mark.bailey@ee.doe.gov
- State Energy Program – Mark Bailey, 202-586-9424, mark.bailey@ee.doe.gov
- ENERGY STAR Appliance Rebates – Mark Bailey, 202-586-9424, mark.bailey@ee.doe.gov
- Federal Energy Management Program – Brad Gustafson, 202-586-5865, brad.gustafson@ee.doe.gov
- Schools - Margo Appel, 202-586-9495, margo.appel@ee.doe.gov
- Hydrogen Technology – Sara Dillich, 202-586-7925, sara.dillich@ee.doe.gov
- Biomass and Biorefinery Systems – Shab Fardanesh, 202-586-7011, shabnam.fardanesh@ee.doe.gov
- Solar Energy – Tom Kimbis, 202-586-7055, tom.kimbis@ee.doe.gov
- Wind Energy – Jim Ahlgrimm, 202-586-9806, jim.ahlgrimm@ee.doe.gov
- Hydropower – Alejandro Moreno, 202-586-8171, alejandro.moreno@ee.doe.gov
- Geothermal Technology – Lauren Boyd, 202-287-1854, lauren.boyd@ee.doe.gov
- Vehicle Technologies – William Key, 202-586-3157, william.key@ee.doe.gov
- Facilities and Infrastructure – Greg Collette, 303-275-4734, greg.collette@ee.doe.gov
- EERE Backup – Michael York, 202-586-5669, michael.york@ee.doe.gov

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) or visit <https://recoveryclearinghouse.energy.gov/index.htm>
- Subscribe to EERE's Progress Alerts:
<http://apps1.eere.energy.gov/news/subscribe.cfm>

Our commitment to you

EERE will implement

the **Recovery Act**

with speed, transparency, and
accountability.