

Status Report: The Implementing of EERE Stimulus Funds

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

CEE Industry Partners Meeting

New Orleans, LA

October 1, 2009

Bryan Berringer

U.S. Department of Energy



Overview

- American Recovery & Reinvestment Act (Recovery Act)
- DOE Recovery Act Funding
- National Investments & Trends
- Moving Forward

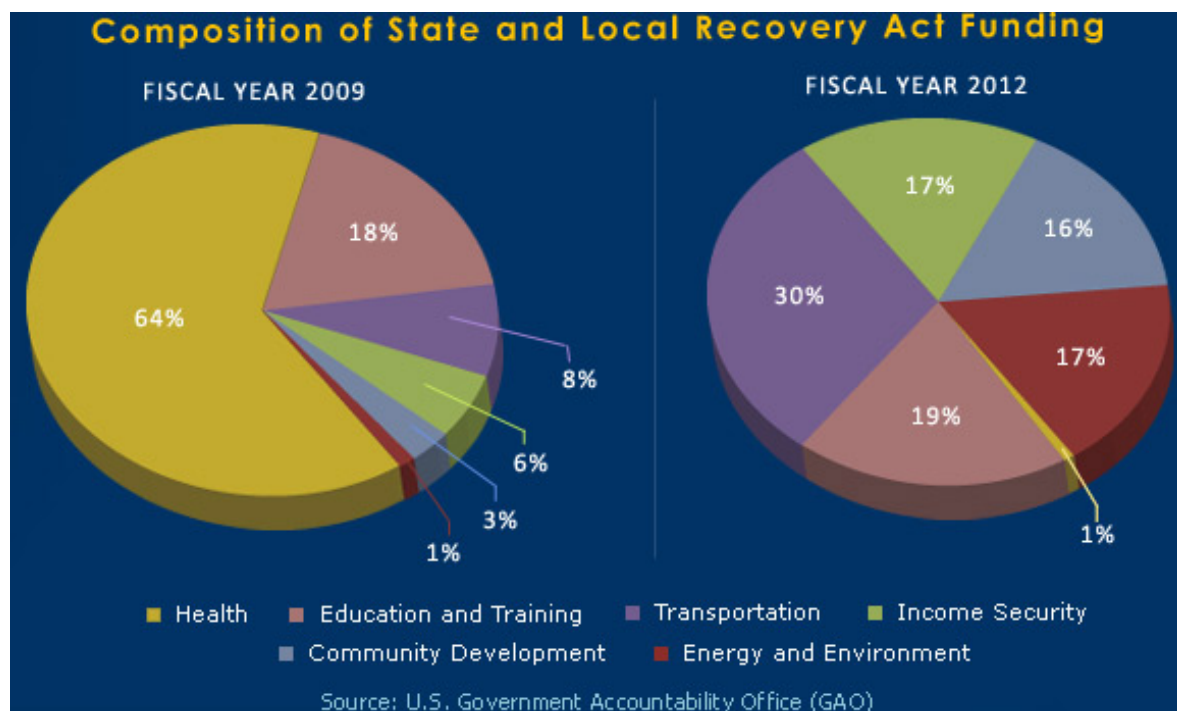
The American Recovery and Reinvestment Act of 2009 (Recovery Act)

- 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



A Strategic Investment in the Future

- Congress approved \$787B total funding
- Funding applies FY2009-FY2012
- Spending allocations shift from health field to other long-term economic growth opportunities in transportation, energy, and community development by 2012



The Department of Energy's role is critical

- 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





Secretary Chu's key objectives for the Recovery Act

- Getting good projects underway quickly
- Ensuring projects have lasting value
- Delivering an unprecedented degree of transparency
- Making a significant down payment on the nation's energy and environmental future



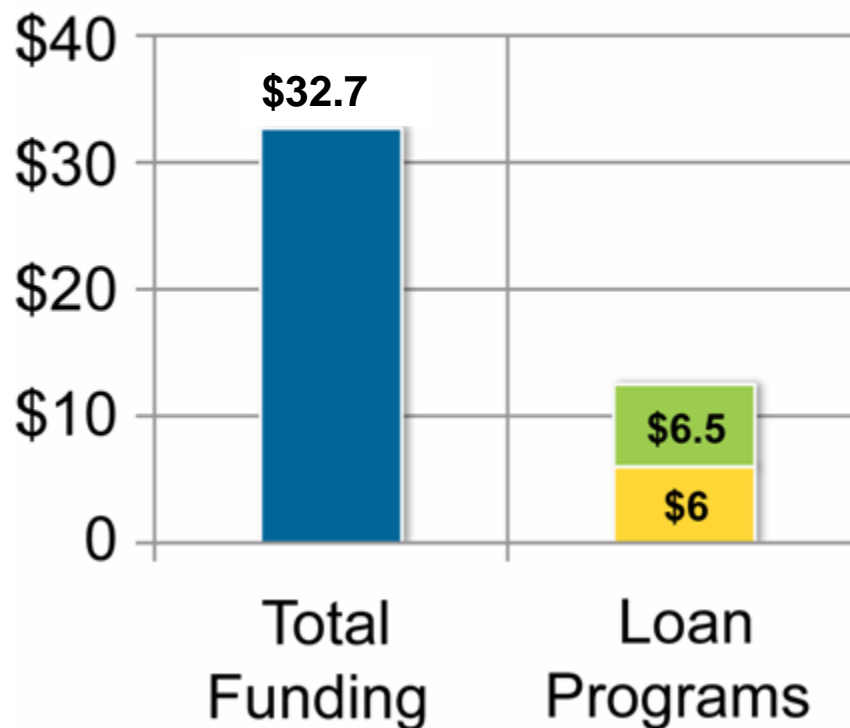
DOE Recovery Act funding

Total—\$32.7 billion
(excluding loan programs)

Loan programs—\$12.5 billion

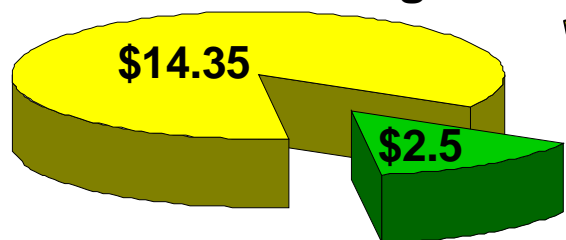
- Rapid deployment of renewable energy systems—\$6 billion
- DOE power administration borrowing authority—\$6.5 billion

DOE Recovery Act Funding
(in billions)



Energy Efficiency and Renewable Energy (EERE) Funding

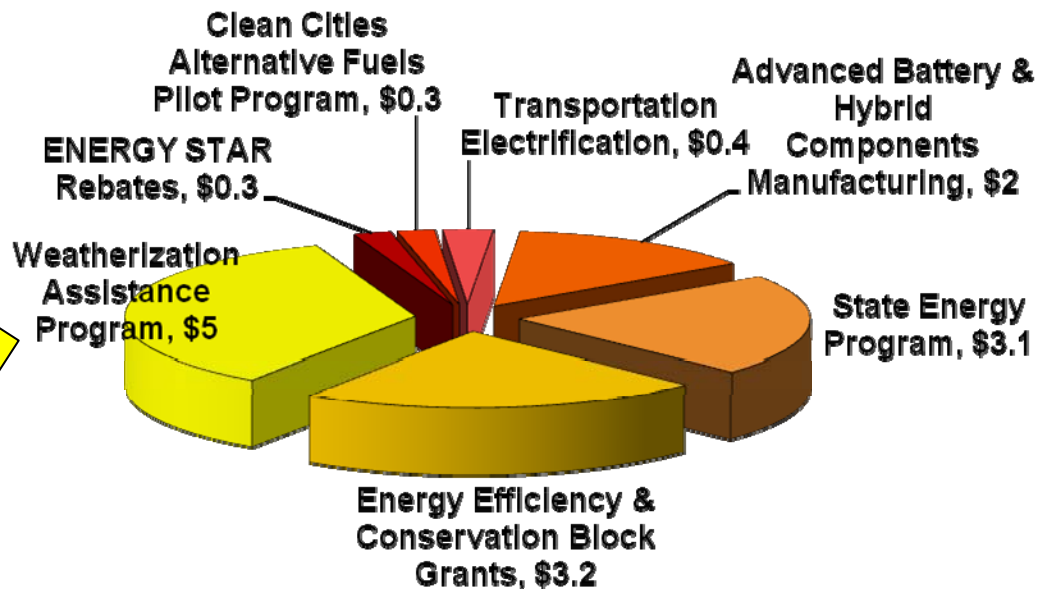
\$16.8B EERE Recovery Act Funding



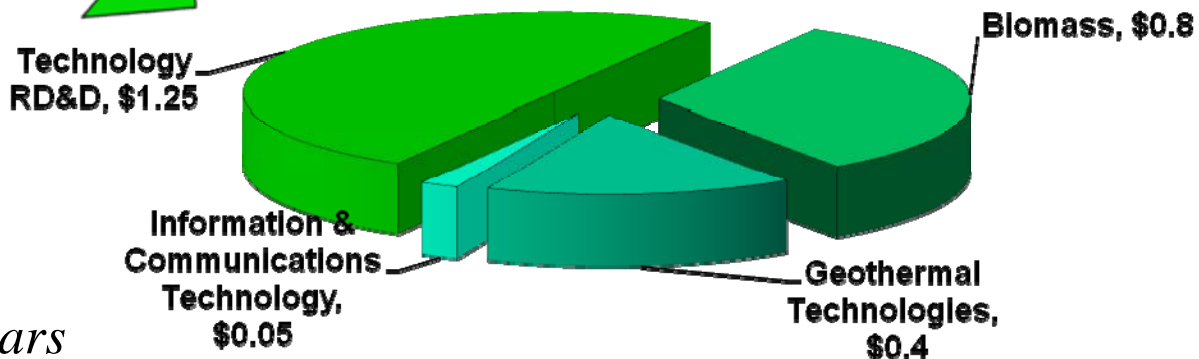
■ EERE Discretionary RD&D

■ EERE Directed Funding

\$14.35B Directed Funding



\$2.5B Discretionary RD&D



Amounts are in billion US Dollars

Energy Efficiency and Conservation Block Grant Program \$3.2B

- Formula (\$2.8B) and competitive grants (\$456M) to Indian tribes, cities, counties, and States
- Purpose of program is to assist tribal, local and state governments to: improve energy efficiency, reduce total energy use, and reduce fossil fuel emissions
- Spur economic growth and meet long term energy goals

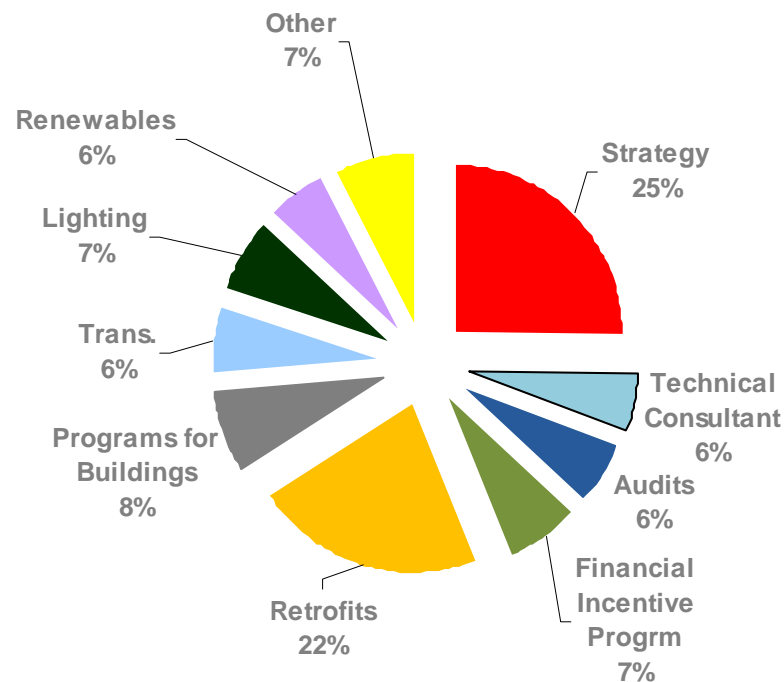
MARCH 26, 2009

DOE Announced \$3.2 Billion for EECBG

EECBG Review and Award Status

Status:

- Amount obligated to date: more than \$1.4 Billion
- Awards made to date: 1,200+ of 2,348
- Initial plan analysis:
 - Est. jobs created: 52,059
 - Est. jobs retained: 12,313
 - Est. energy savings: 228 Billion kWh



% of Project Activities Awarded



EECBG Competitive Solicitation

Topic 1 - \$390 million for neighborhood-scale building retrofits,

- Objectives
 - Target: community-scale retrofit projects
 - Innovative Partnerships (banks, developers, local govts)
 - Sustainable business models that support scale
 - Replication - serve as national role model for grassroots energy efficiency efforts.
- Request for Information (RFI)
- DOE sought public comment on this newly funded program under the Recovery Act. Public comment ended on September 28, 2009.

Topic 2 - \$64 million for local governments eligible under
EECBG

Weatherization Assistance Program \$5B

- The program helps low-income households improve the efficiency of their homes
- Funds are allocated to the states and tribes, 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.

Status:

- Obligated \$2.3B
- Awarded 58 of 58 grants to 50% level
- Davis Bacon wage determination have been issued for ALL States

MARCH 12, 2009

DOE Announced Nearly \$5 Billion for Weatherization



State Energy Program \$3.1B

- Program distributes funds to states and territories to address their unique energy needs, consistent with national goals
- Funds are used to carry out renewable energy and energy efficiency projects and programs, which touch on all sectors of the economy
 - Renewable energy generation
 - Financial mechanisms: revolving loan funds, performance contracting
 - Transportation measures



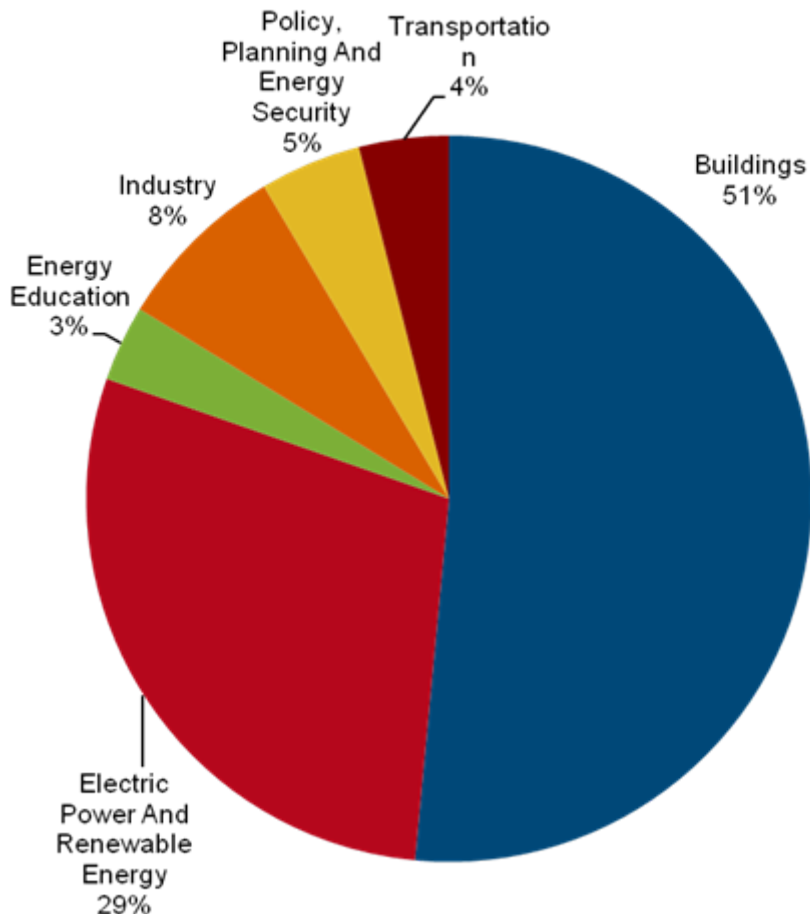
Status:

- Obligated \$1.5B
- Awarded 56 of 56 grants to 50% level
- Projected Benefits:
 - 52,059 jobs created
 - 12,313 jobs retained
 - 228 Billion kWh energy savings

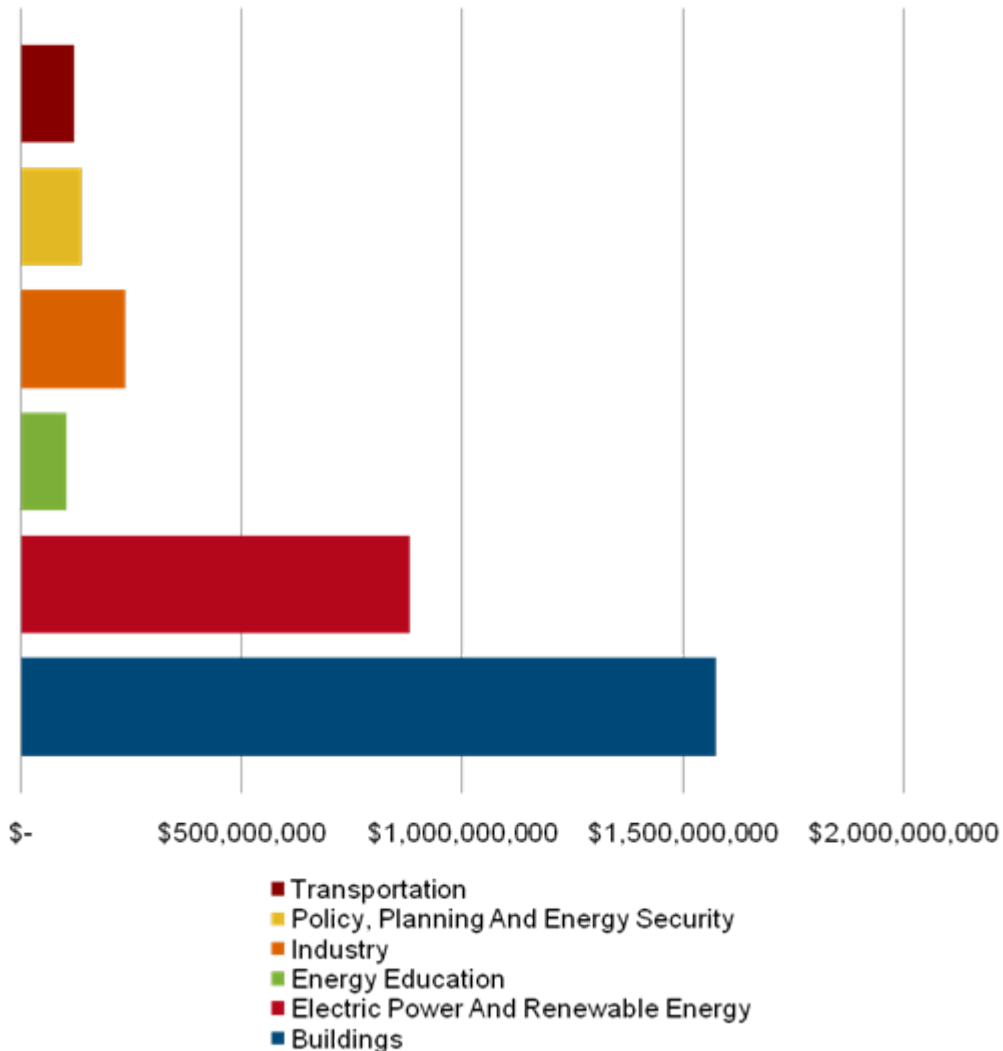
MARCH 12, 2009

DOE Announced Nearly \$3 Billion under SEP

Total Funding: Market Share



Total Funding By Market Category



Total: \$3.06 Billion

National Trends: New Policies & Programs



- Innovative Policy Work
- Unique Financial and Technical Programs and Projects
- Dozens of New Revolving Loan Funds (\$540M)
- Manufacturing Support and Industry Partnerships
- New Major Sustainability Initiatives
- Leveraging Existing EERE Programs

Appliance Rebate Program \$300M

About the Program

- Offers funding for rebate programs in 50 states
- Increase consumer awareness of energy efficient choices to improve their lives and wallets
- Investment Outcomes
 - Spur sales of energy efficient appliances
 - Significantly reduce energy and water use by American households

Status

- Initial applications received from 56 of 56 eligible entities
- Comprehensive applications due by October 15, 2009
- Remaining 90% of Funding Awards to States by November 30, 2009

Awards

- Awards made to date: 56 of 56 to 10% level

Types of Appliances

- Each state and territory may select its own set of ENERGY STAR-qualified products to rebate.
- *DOE recommends* the following appliances:



Recommended ENERGY STAR Products

Home Appliances

- Clothes Washers
- Dishwashers
- Freezers
- Refrigerators
- Room air conditioners

HVAC

- Boilers
- Central air conditioners
- Furnaces (oil & gas)
- Air-source heat pumps
- Geothermal heat pumps

Water Heaters

- Gas storage
- Gas tankless
- Gas condensing
- Heat Pump
- Solar



Federal Tax Credits (2009 – 2010)

Product	Credit Amount*	Tax Credit Efficiency Level
Heat Pump Water Heater	30% up to \$1500	ENERGY STAR
Gas Tankless Water Heater	30% up to \$1500	ENERGY STAR
Solar Water Heater	30% of cost**	ENERGY STAR
Gas Condensing Water Heater	30% up to \$1500	Above ENERGY STAR
Gas or Oil Boilers	30% up to \$1500	Above ENERGY STAR
Gas or Oil Furnaces	30% up to \$1500	Above ENERGY STAR
Central Air Conditioners and Air-source Heat Pumps	30% up to \$1500	Above ENERGY STAR
Geothermal Heat Pumps	30% of cost**	ENERGY STAR

*Credit is calculated based on installed cost. Total credit per household across all products is limited to \$1500.

**No cap on solar water heaters or geothermal heat pumps, which are eligible through 2016.

View details at: www.energystar.gov/taxcredits

Significant Funds Available for States

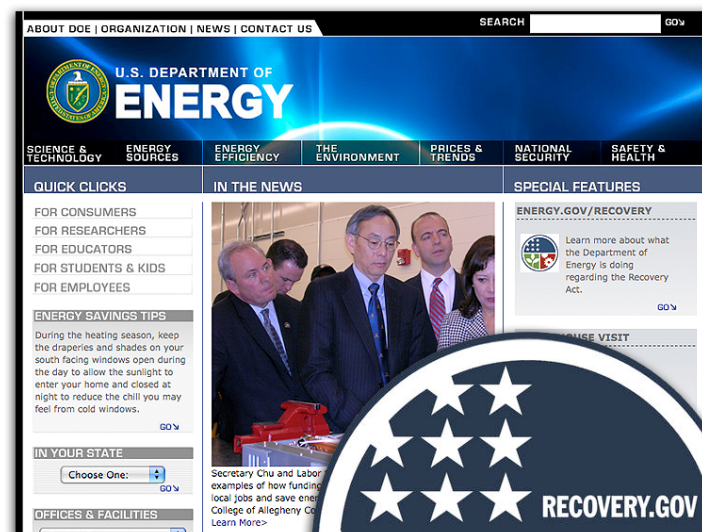
Example: Louisiana could receive ***\$181.4 Million***

- Energy Efficiency and Conservation Block Grant \$33.6M
- State Energy Program \$71.7M
- Weatherization Assistance Program \$50.7M
- Advance Batteries \$20.6M
- ENERGY STAR Appliance Rebates \$4.2M
- State and Local \$0.6M

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

Tracking our progress

- 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:

- DOE Recovery Act Activities:
www.energy.gov/recovery
- EERE Recovery Act Activities:
<http://www.eere.energy.gov/recovery/>
- Weatherization and Intergovernmental Program
<http://www.eere.energy.gov/wip/>
- 1-888-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>