

State Energy Offices and the
Status of SEP and EECBG
ARRA Funding Investments

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Energy Efficiency and Conservation Block Grant

- **\$3.2 billion is provided for the Energy Efficiency and Conservation Block Grant (EECBG)**
- **\$400 million for competitive program**
- **Of the remaining \$2.8 billion, funds were distributed:**
 - **68% directly to over 1700 of the larger cities in the U.S.**
 - **16% through the states to counties of under 200,000 and towns of under 35,000**
 - **12% directly to state energy office**
 - **2% available to tribes**

State Energy Program (SEP)

Overall SEP Funding and State Leverage

- \$3.1 billion provided for State Energy Program
- \$4.7 billion in leveraged funds from the states –
Total Planned funds \$7.7 billion
- Funding for a variety of programs, projects and policies, including: energy efficiency; renewable energy
- \$1.9± billion in project have completed DOE NEPA approval
- Other implementation barriers (e.g., Buy American, Davis Bacon) are being addressed rapidly by DOE and the states

State Energy Program

State Energy Office SEP

Investments to Date

- Three-year plans developed and provided to DOE last year.
- Most states designed programs to phase in by balancing the need for rapid job development and creation of self sustaining programs (e.g., revolving funds, ESPC)
- States have \$2.04 billion committed (*project selected – contract award – work underway*) for specific projects; reaming \$1 billion in funds moving rapidly

STATE	TOTAL ARRA SEP FUNDING	TOTAL PRE-ENCUMBERED/ AWARDED	% PRE-ENCUMBERED/ AWARDED	TOTAL PENDING/NOT COMMITTED	% PENDING/NOT COMMITTED
Alabama	\$ 55,570,000.00	\$ 26,011,079.00	46.81%	\$ 29,558,921.00	53.19%
Alaska	\$ 28,232,000.00		0.00%	\$ 28,232,000.00	100.00%
American Samoa	\$ 18,550,000.00	\$ 5,531,657.32	29.82%	\$ 13,018,342.68	70.18%
Arizona	\$ 55,447,000.00	\$ 46,197,000.00	83.32%	\$ 9,250,000.00	16.68%
Arkansas	\$ 39,416,000.00	\$ 30,400,000.00	77.13%	\$ 9,016,000.00	22.87%
California	\$ 226,093,000.00	\$ 196,400,000.00	86.42%	\$ 30,693,000.00	13.58%
Colorado	\$ 43,222,000.00	\$ 41,892,896.00	85.11%	\$ 7,329,104.00	14.89%
Connecticut	\$ 38,542,000.00	\$ 38,542,000.00	100.00%		0.00%
Delaware	\$ 24,231,000.00		0.00%	\$ 24,231,000.00	100.00%
District of Columbia	\$ 22,022,000.00	\$ 17,000,000.00	77.20%	\$ 5,022,000.00	22.80%
Florida	\$ 126,089,000.00	\$ 68,969,470.00	54.70%	\$ 57,119,530.00	45.30%
Georgia	\$ 82,495,000.00	\$ 82,495,000.00	100.00%		0.00%
Guam	\$ 19,098,000.00		0.00%	\$ 19,098,000.00	100.00%
Hawaii	\$ 25,930,000.00	\$ 12,969,000.00	50.02%	\$ 12,961,000.00	49.98%
Idaho	\$ 28,572,000.00	\$ 13,010,979.79	45.54%	\$ 15,561,020.21	54.46%
Illinois	\$ 101,321,000.00	\$ 101,321,000.00	100.00%		0.00%
Indiana	\$ 68,621,000.00	\$ 20,500,000.00	29.87%	\$ 48,121,000.00	70.13%
Iowa	\$ 40,546,000.00	\$ 10,290,000.00	25.38%	\$ 30,256,000.00	74.62%
Kansas	\$ 38,284,000.00	\$ 38,284,000.00	100.00%		0.00%
Kentucky	\$ 52,533,000.00	\$ 44,832,988.00	85.34%	\$ 7,700,012.00	14.66%
Louisiana	\$ 71,894,000.00	\$ 40,741,301.00	56.83%	\$ 30,952,699.00	43.17%
Maine	\$ 27,305,000.00	\$ 26,754,000.00	97.98%	\$ 551,000.00	2.02%
Maryland	\$ 51,772,000.00	\$ 27,662,128.00	53.43%	\$ 24,109,872.00	46.57%
Massachusetts	\$ 54,911,000.00	\$ 33,300,000.00	60.64%	\$ 21,611,000.00	39.36%
Michigan	\$ 82,035,000.00	\$ 25,100,000.00	30.60%	\$ 56,935,000.00	69.40%
Minnesota	\$ 54,172,000.00	\$ 28,996,047.00	49.83%	\$ 27,175,953.00	50.17%
Mississippi	\$ 40,418,000.00	\$ 19,218,000.00	47.55%	\$ 21,200,000.00	52.45%
Missouri	\$ 57,393,000.00	\$ 57,373,000.00	99.97%	\$ 20,000.00	0.03%
Montana	\$ 25,855,000.00	\$ 21,750,000.00	84.12%	\$ 4,105,000.00	15.88%
Nebraska	\$ 30,910,000.00	\$ 26,835,000.00	86.82%	\$ 4,075,000.00	13.18%
Nevada	\$ 34,714,000.00	\$ 6,886,461.00	19.84%	\$ 27,827,539.00	80.16%
New Hampshire	\$ 25,827,000.00	\$ 17,756,464.00	68.75%	\$ 8,070,536.00	31.25%
New Jersey	\$ 73,643,000.00	\$ 20,643,000.00	28.03%	\$ 53,000,000.00	71.97%
New Mexico	\$ 31,821,000.00	\$ 27,100,000.00	85.16%	\$ 4,721,000.00	14.84%
New York	\$ 123,110,000.00	\$ 103,000,000.00	83.67%	\$ 20,110,000.00	16.33%
North Carolina	\$ 75,989,000.00	\$ 20,178,573.19	26.55%	\$ 55,810,426.81	73.45%
North Dakota	\$ 24,585,000.00	\$ 21,333,333.00	86.77%	\$ 3,251,667.00	13.23%
Northern Mariana Is.	\$ 18,651,000.00		0.00%	\$ 18,651,000.00	100.00%
Ohio	\$ 96,083,000.00	\$ 25,800,000.00	26.85%	\$ 70,283,000.00	73.15%
Oklahoma	\$ 46,704,000.00	\$ 43,742,146.00	93.66%	\$ 2,961,854.00	6.34%
Oregon	\$ 42,182,000.00	\$ 31,991,000.00	75.84%	\$ 10,191,000.00	24.16%
Pennsylvania	\$ 99,694,000.00	\$ 62,283,116.00	62.54%	\$ 37,410,884.00	37.46%
Puerto Rico	\$ 37,086,000.00		0.00%	\$ 37,086,000.00	100.00%
Rhode Island	\$ 23,960,000.00	\$ 17,662,680.00	73.72%	\$ 6,297,320.00	26.28%
South Carolina	\$ 50,550,000.00	\$ 38,227,809.00	75.62%	\$ 12,322,191.00	24.38%
South Dakota	\$ 23,709,000.00	\$ 22,295,120.00	94.04%	\$ 1,413,880.00	5.96%
Tennessee	\$ 62,482,000.00	\$ 62,482,000.00	100.00%		0.00%
Texas	\$ 218,782,000.00	\$ 215,400,000.00	98.45%	\$ 3,382,000.00	1.55%
Utah	\$ 35,362,000.00	\$ 17,618,156.00	49.82%	\$ 17,743,844.00	50.18%
Vermont	\$ 21,999,000.00		0.00%	\$ 21,999,000.00	100.00%
Virgin Islands	\$ 20,678,000.00		0.00%	\$ 20,678,000.00	100.00%
Virginia	\$ 70,001,000.00	\$ 54,000,000.00	77.14%	\$ 16,001,000.00	22.86%
Washington	\$ 60,944,000.00	\$ 44,444,000.00	72.93%	\$ 16,500,000.00	27.07%
West Virginia	\$ 32,746,000.00	\$ 32,746,000.00	100.00%		0.00%
Wisconsin	\$ 55,488,000.00	\$ 15,600,000.00	28.11%	\$ 39,888,000.00	71.89%
Wyoming	\$ 24,941,000.00	\$ 20,900,000.00	83.80%	\$ 4,041,000.00	16.20%
GRAND TOTAL	\$ 3,069,000,000.00	\$ 2,041,466,402.30	66.52%	\$ 1,027,533,597.70	33.48%

State Energy Program

- **State and Territory SEP Funding by Program Type:**
 - **\$122 million - Transportation**
 - **\$137 million – Policy, Planning and Energy Security**
 - **\$217 million - Industrial**
 - **\$104 million - Energy Education**
 - **\$886 million - Electric Power and Renewable Energy**
 - **\$1.6 billion - Buildings**

State Energy Program – Regional Highlights

CALIFORNIA

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Total SEP ARRA Funding	Total Obligated or Awarded	Total % Obligated or Awarded
\$226,000,000	\$195,400,000	86.46%

State ARRA Funded SEP Activities

Energy Efficiency Program

Energy Efficiency Retrofits and Clean Energy Systems in the Residential, Non-residential and Industrial Sectors – To promote economic vitality and build a clean energy workforce, the Energy Commission is providing up to \$110,000,000 in State Energy Program (SEP) funds for energy programs focused on existing residential and commercial building energy efficiency (and water efficiency) retrofits. Onsite solar electric generation may be eligible if installed in conjunction with energy efficiency measures. Local jurisdictions, non-profits or private organizations can create partnerships and apply for program funding under a competitive solicitation process for three different areas.

- California Comprehensive Residential Building Retrofit Program**
 This program will create jobs, train a sustainable energy-industry workforce and stimulate the economy by making energy improvements to existing residential buildings. Re-trained construction workers, contractors, and youth entering the job market will be deployed to improve the energy efficiency and comfort in California's existing housing. The program will work with regional groups of local governments, utilities, community colleges, national and state energy and affordable housing programs, and private and public energy and building contracting experts. It will leverage existing affordable housing and neighborhood stabilization programs to increase energy efficiency for under-served, economically disadvantaged people living in some of the areas hardest hit by the economic downturn.
- Municipal and Commercial Building Targeted Measure Retrofit Program**
 This program aims to spread the benefits of readily available, low risk, high-return efficiency technology in municipal and commercial buildings throughout the state. By performing retrofits on a wide scale, the Energy Commission will show building owners, operators and occupants that energy efficiency can provide not only cost savings but other valuable non-energy benefits.
- Municipal Financing Program**
 This program will help public agencies create financing programs for energy efficiency improvements that are permanently fixed to residential, commercial and industrial buildings. Under the program, building owners repay the financing through property tax assessments that remain with the property until repaid, even if the property is sold. This decreases or eliminates the upfront costs property owners normally must pay to install energy improvements. The Energy Commission will provide public agencies with funding for program start-up and ongoing costs, interim financing, interest rate buy-down, and property owner rebates.

FLORIDA

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Total SEP ARRA Funding	Total Obligated or Awarded	Total % Obligated or Awarded
\$126,089,000	\$68,969,470	54.70%

State ARRA Funded SEP Activities

Solar for Schools & Shelters – Contract Executed February 10, 2010

This program will support the installation of photovoltaic systems with battery back-up on strategically located schools and emergency shelters throughout the state. The FECC will coordinate with the Florida Solar Energy Center to select 90 co-located schools and emergency shelters in Florida and install 10 kW and larger solar systems with data loggers on each site. [\$10,000,000]

Solar Energy (Water Heating) Loan – Request for Proposal (RFP) Pending

This program will create a low-interest solar loan program to assist Florida residents with initial capital costs, while requiring a manageable low-cost monthly payment. The solar water heating loan program's revolving design will allow this program to perpetuate and be self-sustaining. [\$10,000,000]

Solar Energy Rebate Program – FUNDS FULLY COMMITTED

Florida's existing solar rebate program has successfully catalyzed investment in clean solar energy technologies. These investments have bolstered Florida's clean energy economy and created green-collar jobs. The program provides a \$4/per Watt rebate on photovoltaic systems, with a maximum rebate amount of \$20,000 for residential systems and \$100,000 for commercial systems. In addition, the program provides a \$500 rebate for residential solar water heaters, a rebate of \$15 per 1,000 Btu up to a maximum of \$5,000 for commercial solar water heaters and a \$100 rebate for solar pool heaters. Due to the tremendous demand and limited availability of state funding, a significant backlog in solar rebate applications occurred. Through the advent of SEP funds the state was able to provide \$14,400,000 in funding to address the backlog in rebate applications. [\$14,400,000]

E-85/B20 Public Fueling – Conversion Revolving Loan – RFP Pending

This program will increase the availability of E85 and B20 biofuels to consumers at retail stations throughout Florida by providing low-interest loans to fuel station owners to install E85 or B20 tanks and pumps at their facilities. There are over 500,000 flex fuel vehicles traveling on Florida roadways with very limited access to E85 fuel. With this program, Floridians will have access to biofuels at as many as 160 additional locations. Assists owners with the cost of installation of these alternative fuel tanks and pumps by providing low-interest loans. [\$15,000,000]

Florida Residential Retrofit Program – RFP in Development

The Florida Residential Retrofit program, upon independent verification of the completed improvements, will offer a rebate to Florida homeowners that have an energy audit and make sufficient energy efficient improvements to capture at least a 20 percent improvement in their home energy efficiency. [\$5,000,000]

State Energy Program – Regional Highlights

Northeast

Maine (\$27M SEP Funds) – \$9 million for Maine homeowner rebates of \$1,500 to \$2,000 for energy efficiency projects.

Rhode Island (\$23M SEP Funds) – \$2.3 million for competitive commercial and industrial efficiency program; \$250,000 to support the RI Building Code Commission to Upgrade codes

Southeast

Tennessee (\$62M SEP Funds) – \$24 million for the Tennessee Solar Institute and additional funds for a comprehensive statewide solar energy deployment program; collaboration with ORNL; 5 megawatt solar installation

Georgia (\$82M SEP Funds) – \$10 million already deployed for a competitive grant program focused on commercial, residential, and industrial efficiency

State Energy Program – Regional Highlights

Midwest

Ohio (\$96M SEP Funding) – Retooling and Retraining Industry. \$75 million Combines retooling, retraining, and a revolving loan fund with an aggressive renewable energy deployment program; leverages SEP funding with banks and investors; linkages to Ohio’s Carbon Management Strategy

Mid-Atlantic

Maryland (\$51M SEP Funding) State Agency Loan Program (SALP) – SALP is an \$8 million revolving loan program to assist the state in leading by example. MEA plans to expand SALP zero interest loans to state agencies for renewables and energy efficiency improvements.

Central

Colorado (\$49M SEP Funding) – \$19 million for financing and capital investments, including: revolving loan funds; New Energy Economy Development grants; Collaborative NREL – Colorado technology commercialization center integrating entrepreneurs, venture capital, and policy.

State Energy Program – Regional Highlights

Southwest

Arizona (\$55M SEP Funds) – \$19 million to upgrade 167 school energy efficiency, with \$17 million of that amount already put to work; leverage of 4-to-1; ESPC statewide program accelerated process

Hawaii (\$25M SEP Funds) – Technical Assistance for Buildings Sector, including a targeted ENERGY STAR Hotels initiative

Northwest

Washington (\$60M SEP Funds) – \$5 million to initiate an Energy Efficiency Credit Enhancement Program leveraging \$50 million

American Samoa (\$18M SEP Funds) – Wind, PV and Solar thermal program aimed at reaching AS goal of 10 percent of electric generation from renewable energy

SEP Success Stories

www.naseo.org/programs/sep/success/index.html



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Crayola Going Forest Green with Solar Power

Posted: February 26, 2010

For more than a century, Crayola has made every color under the sun. Soon, the sun will make those colors when a 15-acre solar farm begins generating electricity later this year at the company's headquarters in Easton, Pennsylvania.

The Crayola plant was one of eight large-scale solar projects in the state that recently received funding from the American Recovery and Reinvestment Act (ARRA).

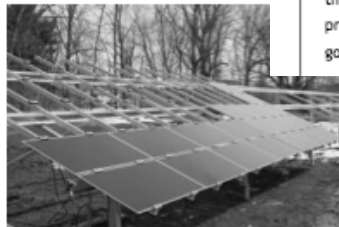
The state awarded \$9.5 million of U.S. State Energy Program (SEP) funds through the Green Energy Works! Solar program to the eight projects.

"This investment is critically important to strengthening Pennsylvania's economy not only because of the private capital it will attract and the jobs it will create, but because of the great economic potential the renewable energy industry holds for our state," said Governor Ed Rendell.

The sizable \$9.5 million investment will put 149 people to work and stimulate another \$46 million in private investments. A total of 10 megawatts (MW) of new solar capacity will result from this investment of ARRA funds.

David Althoff, Director of the Pennsylvania Bureau of Energy, Innovations and Technology Deployment, talked about the Crayola solar project at the recent NASEO Winter Meeting in Washington D.C.

"The one-megawatt Crayola project is located on Crayola's property at the plant in Easton." Althoff



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New Kentucky "Green Bank" to Finance Energy-Efficient Improvements in Public Buildings

Posted: February 1, 2010

Kentucky's historic reliance on coal-fired base load generation has provided the state with some of the lowest electricity rates in the country. Kentucky's low rates have encouraged Kentuckians to become some of the greatest consumers of electricity in the country. Kentucky's per capita consumption of electricity is among the highest in the United States. To help reduce its energy appetite, Kentucky's elected officials are clear about their approach. Not only has the state set a goal of 25 percent energy reduction by 2025, it has also allocated American Recovery and Reinvestment Act (ARRA) funds from the U. S. Department of Energy to energy efficiency projects in government buildings to help meet that goal.



Kentucky First Lady Jane Beshear, who recently announced the Green Bank's first loan, greets a student at the Kentucky School for the Blind. The School for the Blind and two other educational facilities are the recipients of the Green Bank's first loan.

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