

AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA)



State Energy Conservation Office (SECO)

**Stimulus Funding Update
October 30, 2009**

SECO ARRA PROGRAMS



SECO ARRA PROGRAMS

- State Energy Program
- Energy Efficiency and Conservation Block Grant Program
- Energy Efficient Appliance Rebate Program
- Energy Assurance Program

STATE ENERGY PROGRAM

SECO:

\$218,782,000



Status

- DOE approved SECO's application on July 10, 2009

Program Areas

- Building Efficiency and Retrofit Program
- Transportation Efficiency Program
- Distributed Renewable Energy Technology Program
- Energy Sector Training Centers
- Public Education and Outreach

Legal Authority

- Federal Regulations: 10 CFR, Part 420

STATE ENERGY PROGRAM



- **Eligible entities include governmental entities such as state government, units of local government, public schools, public universities and colleges, and municipal utilities**
- **Ready-to-go projects given priority**
- **Cost reimbursement based contracts**
- **Funding must be spent by April 2012**
- **Comptroller Affidavit**
- **DOE Performance measures include:**
 - Jobs Created/Retained
 - Energy Savings
 - Energy Cost Savings
 - Renewable Energy Installed
 - Greenhouse Gas Emission Reductions
 - Funds Leveraged

STATE ENERGY PROGRAM



Building Efficiency and Retrofit Program

- \$158 million
- Competitive Revolving Loan Program
- Energy Savings Performance Contracting
- \$10 million cap
- 2% interest
- 10-year simple payback/15-year simple payback if retrofit includes renewable energy

STATE ENERGY PROGRAM

Transportation Efficiency Program



- \$17 million
- Competitive Grant Program
- 20% match required
- Two Projects
 - Traffic Signal Project - \$6 million
 - ✓ Signal Synchronization
 - ✓ Signal light replacement with LEDs
 - Alternative Fuels - \$11 million
 - ✓ Incremental costs for vehicle purchases
 - ✓ Refueling infrastructure (Equipment only)

STATE ENERGY PROGRAM



Distributed Renewable Energy Technology Program

- **\$30 million**
- **Competitive Grant Program**
- **20% match required**
- **\$2 million cap**
- **National Environmental Protection Act (NEPA) compliance**
- **Eligible Technologies**
 - **Biomass**
 - **Geothermal**
 - **Solar**
 - **Water (Hydro)**
 - **Wind**

STATE ENERGY PROGRAM

Request for applications are as follows:



Transportation Efficiency Program

- **Alternative Fuels**
 - **Issued September 18 (closed)**

- **Traffic Light**
 - **Issued September 25 (closed)**

- **Distributed Renewable Energy Technology**
 - **Issued September 25 (closed)**

- **Building Efficiency and Retrofit Revolving Loan Program**
 - **Notification of Loan Fund Availability issued October 30**

Monitor the Electronic State Business Daily for updates,

www.esbd.cpa.state.tx.us

STATE ENERGY PROGRAM



Energy Sector Training Centers

- **\$6 million**
- **Provide funding for equipment to train workers in energy efficiency and renewable energy fields**
- **Community Colleges**

STATE ENERGY PROGRAM

Public Education and Outreach



- \$5 million
- Statewide consumer education campaign
- Promotion of current programs
- Web based applications
 - Interactive resources
 - ✓ Efficiency tools
 - ✓ Texas-based calculators

ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANTS



TEXAS TOTAL: **\$208,759,900**

Entitlement Cities and Counties: **\$163,121,800**
(Cities over 35,000/Counties over 200,000 receiving a direct allocation)

SECO: **\$45,638,100**
(Cities under 35,000/Counties under 200,000)

Status

- DOE approved SECO's application on September 14, 2009
- Allocation notification packets were sent to eligible communities on September 22, 2009

Legal Authority

- Federal Law: Energy Independence and Security Act of 2007, Subtitle E, Sections 541-548

ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANTS

Process



- SECO will redistribute its \$45,638,100, less administrative costs, to non-entitlement cities and counties in Texas (1,127 cities and 244 counties) based on population.

- A notification packet was sent to city mayors and county judges on September 22, 2009 that included:
 - Allocation Amount
 - Step by Step Instructions
 - Project Areas and Examples
 - Notification of Intent Document
 - Sample Resolution.

ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANTS



Important Dates

- **November 6, 2009**
 - ❖ Due date for postmarked Notifications of Intent from EECEBG eligible communities

- **November 22, 2009**
 - ❖ Due date for postmarked Resolutions from EECEBG eligible communities

- **November 30, 2009**
 - ❖ Final allocation amount and application form sent to city/county designees (application form available on website in the near future)

- **December 22, 2009**
 - ❖ Due date for postmarked Applications from EECEBG eligible communities

ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANTS



Uses of EECBG Funds

- **Building energy audits and retrofits**
- **Installation of distributed energy technologies including combined heat and power and district heating and cooling systems**
- **Installation of energy-efficient traffic signals and street lighting**
- **Installation of renewable energy generation technologies on government buildings**

ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANTS



Example Project

- ***A City replaced incandescent bulbs in pedestrian and traffic signals with high efficiency light-emitting diode (LED) lights. The LED signals have a lifetime of 100,000 hours, and consume 14 watts of electricity or less, as compared to the 150- or 69-watt incandescent bulbs they replaced. Also, they are brighter than typical incandescent traffic lights.***

ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANTS



How to Calculate Potential Energy Savings

DOE Energy Calculators and Software:

<http://www1.eere.energy.gov/calculators/buildings.html>

SEP and EECBG Metrics and Calculator:

http://apps1.eere.energy.gov/state_energy_program/goals_metrics.cfm#calculator

ENERGY EFFICIENT APPLIANCE REBATE PROGRAM



SECO:

\$23,341,000

Status

- Initial application submitted to DOE on August 15, 2009
- Comprehensive application submitted to DOE on October 14, 2009

Legal Authority

- Federal Code: Energy Policy Act of 2005, Title I, Subtitle B, Section 124 (42 USC 15821)

ENERGY EFFICIENT APPLIANCE REBATE PROGRAM



- Residential ENERGY STAR appliance products
- Save energy by encouraging appliance replacement through consumer rebates
- Product recycling is encouraged particularly for refrigerators, freezers and room air conditioners
- Enhance existing rebate programs by leveraging ENERGY STAR national partner relationships and local program infrastructure
- Use existing ENERGY STAR consumer education and outreach materials

ENERGY EFFICIENT APPLIANCE REBATE PROGRAM



DOE RECOMMENDED PRODUCTS

- ❖ Boilers
- ❖ Central Air Conditioners
- ❖ Clothes Washers
- ❖ Dishwashers
- ❖ Freezers
- ❖ Furnaces (oil and gas)
- ❖ Heat pumps (air source and geothermal)
- ❖ Refrigerators
- ❖ Room Air Conditioners
- ❖ Water Heaters

ENERGY ASSURANCE PROGRAM



SECO:

\$2,432,068

Status

- DOE approved SECO's application on August 11, 2009
- Project Management Plan submitted to DOE October 11, 2009
- Workforce Development Plan to DOE November 11, 2009

Legal Authority

- American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, Titles XV and XVI of the Act

ENERGY ASSURANCE PROGRAM



- Provide funding to update the Energy and Utilities portion of the State of Texas Emergency Management Plan (EMP)
- SECO will work in partnership with the Public Utility Commission of Texas and the Railroad Commission of Texas
- Incorporate response actions for new energy portfolios (renewables, biofuels, etc.) and Smart Grid applications
- Strengthen and expand State and local government energy assurance planning and resiliency efforts

RESOURCES



In order to prepare for ARRA funding, recipients must complete the following steps.

- **Obtain DUNs number**

<http://fedgov.dnb.com/webform>

- **Register on the Central Contractor Registration (CCR)**

<https://www.bpn.gov/ccr/default.aspx>

- **Obtain a Texas Identification Number**

<http://www.window.state.tx.us/taxinfo/taxforms/74-176.pdf>

RESOURCES



SECO stimulus funds webpage

www.secostimulus.org

Comptroller Texas Recovery webpage

www.window.state.tx.us/recovery/

U.S. Department of Energy, SEP webpage

http://apps1.eere.energy.gov/state_energy_program/recovery_act_faqs.cfm

U.S. Department of Energy, EECSBG webpage

www.eecsbq.energy.gov/about/

Contracting Opportunities

<http://www.window.state.tx.us/recovery/apply/contracting.php>



Thank You

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www.SECOstimulus.org